A Bibliography of Papers in *Lecture Notes in Computer Science* (1993)

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

11 March 2017
Version 1.24

Title word cross-reference

$1,579^n$ [828]. 16 [2097]. 2 [1076, 1017, 942, 1282]. 2/3 [2561]. 3 [1753, 1464, 1875, 570, 1873, 1446, 942, 1441, 938, 932, 1918, 568, 1420, 588]. AC^O [253]. $\mathrm{mod} 2^{32}$ [91]. C^{**} [2436]. D [2559, 1691]. E^3 [2353]. f [2551]. F_ω [199]. GeO_2 [1529]. k [970, 2551, 975, 775, 2172, 1000, 1711]. l [2104]. m [1360]. $\mathbf{AC}^0$ [1008]. $\mathbf{TLA}^+$ [1980]. N [633, 536, 747, 1671, 2203, 2086]. $N \times M$ [1933]. $O(1)$ [2556]. $O(\log \log n)$ [735]. $O(\mathbf{lg}n)$ [1040]. $O(\sqrt{n})$ [213]. O^* [2148]. q [1415]. Q_+ [1181]. s^2 [2099]. w [2582]. $x^{m+n} = x^n$ [39]. xxx [2200]. Z_n [2067].

&-early [178].

***** [805].

-Approximation [2561]. **-Approximations** [2200]. **-ary** [1360, 633]. **-body** [747]. **-Branching** [2582]. **-Cube** [2559]. **-D** [1753, 1464, 570, 942, 1420, 588]. **-Dependent** [2551]. **-DES** [2099]. **-Dimensional** [1691, 2086, 932, 1918, 536]. **-Enclosing** [975]. **-Objects** [1850]. **-party** [1671]. **-Point** [970]. **-Power** [775]. **-Round** [2097]. **-Span** [2104]. **-Term** [2172]. **-th** [1415]. **-Trees** [1000, 1711]. **-worst-case-time** [213].

0-1 [677, 1343].

1 [1792]. **1-safe** [2531]. **1.0.1** [1837]. **1/D** [2131]. **10** [1895]. **1st** [269].

2 [2078, 1634]. **2-Prover** [2078]. **2-stage** [1418]. **2-structures** [1051].

3 [960, 1943, 828]. **3-edge-components** [71]. **3-edge-cuts** [71]. **3-Planar** [960]. **3-Satisfiability** [828]. **3-valued** [1747].

4 [2059]. **4-connected** [72]. **4.2** [1145].

5 [353].

8-bit [850].

92 [1614].

= [81, 2247].

A- [335]. **A-Sufficiency** [170]. **Abduction** [378, 209]. **abductive** [1647]. **Abelian** [87]. **Abnormal** [1471]. **Abstract** [1748, 1642, 2323, 1331, 105, 2006, 129, 1218, 1202, 350, 1954, 1221, 1182, 1632, 87, 2327, 2079, 1165, 2065, 2400, 132, 1151, 1188, 1958, 1167, 1168, 331, 2077, 2138, 612, 2080, 1170, 2083, 2064, 1046, 1266, 1230, 947, 179, 1631, 1069, 186, 1629, 14, 1253, 1628, 949, 163]. **Abstraction** [1407, 162, 923, 290, 2171, 432, 1233, 1047, 1095]. **Abstraction-Based** [432]. **Abstractions** [294, 2141, 2299]. **AC** [250]. **AC-like** [250]. **AC1** [784]. **AC1-Unification** [784]. **Academia** [1302]. **Accelerated** [468]. **Accelerating** [495]. **Acceptability** [2244]. **acceptance** [246]. **Access** [1173, 2453, 2251, 2511, 805, 1569, 1137, 238, 1659]. **Accessing** [1893]. **Accident** [1516]. **Accommodation** [1993]. **Accounting** [2401]. **Accumulation** [392]. **Acquiring** [727]. **Acquisition** [1625, 1627, 1607, 286, 581, 1620, 2221, 1626, 399, 1621, 1619, 1612, 1618, 2396]. **Across** [1111, 896]. **ACSP** [2534]. **ACSR** [1258]. **Action** [1048, 555, 1007, 1245]. **Active** [417, 357, 1329, 1436, 566, 2152, 2497, 1515, 904, 660, 940, 2226]. **Activities** [2141, 2031]. **Activity** [2375, 1884, 643]. **Actor** [2416]. **Actor-Based** [2416]. **ActorStudio** [1899]. **Acute** [311]. **Acyclic** [1704]. **AD** [156]. **adaptability** [1635]. **Adaptable** [1911]. **Adapted** [767, 1882]. **Adaption** [1904]. **Adaptive** [766, 552, 553, 2369, 2372, 1392, 562, 2559, 1111, 593, 1413, 2149, 479, 559, 541, 558, 451, 1478, 1828, 359, 504]. **Adaptively** [2083]. **Adding** [2153]. **Addition** [1181, 1182, 2054, 595, 1349, 101]. **Additional** [522, 2177]. **Address** [875]. **Addressable** [2106]. **adequacy** [1055]. **adic** [1934]. **Aditi** [2484]. **Adjusting** [2587]. **Administration** [1921]. **Administrative** [1925]. **Admissible** [757, 605]. **Admission** [1151, 1117]. **Advanced** [1317, 2232, 2418, 2146, 1535]. **Advances** [2573]. **Adventure** [862]. **adversaries** [113]. **Advisor** [311]. **AERIE** [2391]. **Aero** [1487]. **Aero-Space** [1487]. **Aerotriangulation** [1480]. **Affine** [1453]. **After** [563, 453]. **Against** [2108, 113, 2105, 114, 2083]. **Agency** [794]. **Agent** [143, 925, 1989, 1762, 1756]. **Agents** [1551, 1540, 2224, 1741, 310, 650]. **Aggregates** [433, 2485]. **Aggregating** [2189]. **Aggregation** [2474, 2140, 326]. **Agora** [914]. **Agreement** [2095, 106, 1658]. **Agricultural** [1485, 1484]. **AI** [1552, 1997, 2277]. **Aid** [419]. **Aided** [1460, 442, 2054, 634, 1922, 845, 1349, 99, 1486]. **Aim** [1549]. **Aims** [928]. **AKL** [1213, 1651]. **AL** [2131, 1959]. **AL-1** [2131]. **AL-1/D** [2131]. **ALADIN** [1624]. **ALEXSYS** [1531]. **AlgBench** [1587, 1601]. **Algebra** [1584, 1586, 803, 918, 1588, 309, 1582, 2008, 1596, 1251, 1258, 1078, 1094]. **Algebraic** [1, 1575, 771, 1951, 2208, 1585, 2005, 2040, 17, 1600, 1973, 1944, 2000, 949, 706, 1953, 1645, 7, 8, 10, 273, 3, 2410, 2411]. **Algebraic-Code** [2040]. **Algebraically** [1970]. **Algebras** [21, 392, 1716, 819, 1784, 1960, 693, 384, 762, 6, 1266, 1075, 1244, 1070, 1263, 1095].

Algorithm [341, 2592, 951, 139, 956, 1675, 1782, 1679, 1440, 1826, 1812, 974, 1019, 2016, 2395, 1184, 977, 1533, 487, 464, 486, 2196, 1151, 1578, 1447, 300, 490, 1933, 1579, 989, 496, 1410, 1204, 344, 2557, 1700, 2538, 1702, 605, 2202, 1936, 999, 1742, 1708, 500, 588, 495, 1711, 1405, 67, 1364, 76, 229, 1669, 1358, 258, 1260, 1367, 1339]. **Algorithmic** [1985, 810, 744, 2009, 2333, 2319, 2328, 2157, 725]. **Algorithms** [2537, 935, 485, 1674, 1721, 954, 2573, 1676, 2587, 2585, 968, 1682, 681, 1683, 970, 971, 2544, 764, 2540, 2598, 739, 2559, 822, 2590, 2432, 2589, 1939, 979, 1693, 1816, 1432, 2588, 1408, 2162, 2434, 1934, 2594, 478, 1973, 492, 2394, 2519, 1803, 2578, 998, 2451, 1000, 503, 1117, 2596, 1001, 272, 68, 2405, 63, 81, 1631, 70, 1769, 269, 1083, 1659, 1656, 231, 1768, 1629, 243, 217, 278, 2408, 271, 1091, 2601, 2414]. **Aligned** [1021]. **Alignment** [854]. **ALISA** [1423]. **All-Nearest-Neighbors** [977]. **All-Pairs** [945, 985]. **all-to-all** [63]. **Allocation** [1228, 304, 1579, 2466]. **Alps** [1684]. **Alternating** [2582, 95]. **Alternation** [202, 201]. **amalgamation** [9]. **Amalgame** [2467]. **Ambiguity** [408, 2222]. **Ambiguous** [2565]. **ami** [1315]. **Among** [2224, 736, 2359, 992, 1818, 2581, 1366]. **amorphous** [1248]. **amount** [1064]. **Anaesthesia** [1549]. **Analog** [2041, 578]. **Analogic** [1490]. **Analogical** [1823, 440, 2170, 1577]. **Analysing** [497]. **Analysis** [916, 1994, 474, 1781, 589, 1782, 2343, 430, 1220, 1318, 1277, 785, 1620, 497, 1954, 2195, 866, 1836, 1484, 1141, 925, 685, 1415, 83, 1022, 1784, 2449, 1293, 1787, 1278, 1203, 1940, 593, 1789, 1462, 1133, 1562, 1956, 691, 2443, 2348, 1208, 571, 943, 565, 521, 2269, 1983, 2420, 391, 2015, 1959, 2399, 1798, 2461, 1813, 1470, 1802, 2147, 652, 1471, 1516, 1804, 1116, 1805, 1489, 1320, 2422, 1633, 1647, 1644, 1651, 1636, 1649]. **Analytic** [1109]. **Analytical** [585, 1382, 1144]. **Analyzing** [363, 863, 1354]. **Anatomical** [575, 576]. **Anatomy** [574]. **AND/OR** [252]. **Andre** [1043]. **Andrew** [1049]. **Angiograms** [1464]. **Angiography** [570, 1470, 594]. **Angle** [1710]. **Angles** [1395]. **Animation** [443, 1499, 1573, 269]. **Animators** [2326]. **Anisotropic** [1388]. **ANN** [513]. **Annealing** [584, 1768]. **Anomaly** [1318, 915]. **anonymous** [1670]. **ANSAware** [1834]. **Answering** [1506]. **Answers** [1720, 529, 1772]. **Anticipatory** [2230]. **antimonotonic** [192]. **Any** [2239, 2049, 287]. **Apertos** [2133]. **API** [1129]. **Application** [289, 1547, 284, 1485, 1476, 794, 516, 681, 1875, 318, 1593, 669, 533, 1900, 279, 1159, 412, 2332, 2042, 293, 1560, 1152, 1161, 1870, 1837, 2174, 1554, 634, 1515, 846, 1479, 1289, 1823, 1000, 594, 476, 762, 535, 560, 106, 66, 179, 1350, 101, 1101, 1081]. **Applications** [374, 1675, 2573, 2515, 1891, 1135, 2350, 2493, 972, 2101, 1280, 739, 1852, 976, 1497, 2309, 759, 2334, 744, 1570, 1548, 1839, 2004, 1126, 2048, 1522, 520, 1602, 2596, 2026, 91, 230, 70, 1349, 1356, 1367]. **Applicative** [1959, 173]. **Applied** [570]. **Applying** [2360, 896, 2458]. **Appreciations** [456]. **Approach** [411, 513, 1985, 2234, 589, 734, 426, 2379, 543, 1906, 2477, 966, 2375, 1728, 54, 1995, 937, 416, 2246, 1969, 2253, 1418, 1557, 1379, 604, 577, 1585, 666, 1982, 1714, 922, 2010, 2158, 298, 1315, 1999, 1413, 1401, 1200, 2136, 2338, 2381, 2180, 565, 521, 1114, 1968, 1983, 1913, 2271, 459, 425, 1463, 1952, 1517, 544, 407, 297, 2000, 432, 1450, 440, 1509, 1612, 1319, 1618, 439, 652, 446, 31, 2402, 2133, 1986, 716, 1044, 1359, 719, 262, 2485]. **Approaches** [2453, 1301, 1465, 2262, 381, 2153, 1398, 2109, 1474, 2083]. **Approximability** [2580]. **Approximate** [1417, 1068, 979, 738, 2341, 992, 402]. **Approximated** [409]. **Approximating** [980, 983, 740]. **Approximation** [811, 968, 1686, 2598, 2561, 739, 455, 1389, 1383, 985, 737, 629, 2596, 96].

Approximations [1223, 392, 1021, 2200, 1726, 1031, 2560, 151]. **Apt** [1042]. **Aquarius** [1594]. **Arabic** [1908]. **Arbeitsplatz** [1912]. **Arbitrary** [2324]. **arbitration** [1334]. **Arc** [1675, 966]. **Architectural** [524, 1635]. **Architecture** [2134, 2350, 426, 2305, 926, 653, 489, 840, 1864, 805, 2494, 167, 355, 1841, 1989, 517, 525, 2298, 557, 1928, 1149, 1112, 848, 1157, 2118, 560, 1489, 1761, 1752]. **Architectures** [1845, 523, 2308, 1806, 1803, 349, 2455, 1869, 625, 226]. **Area** [1783, 2120, 2231]. **Argumentation** [388]. **Arguments** [2191, 2258, 2077, 2244]. **Arithmetic** [1934, 1189, 276]. **Arithmetical** [1165]. **Arnold** [1043, 1178]. **Arrangement** [572]. **Array** [835, 2433, 517]. **Array-Based** [835]. **Arrays** [676, 1676, 995, 1932, 836, 132, 843, 2443, 521, 2538, 837, 1828, 848, 1336, 1373, 1058]. **Art** [667, 1918]. **Artifact** [859]. **Artificial** [2007, 1609, 1996, 514, 533, 507, 487, 473, 559, 413, 1493, 2272, 2600, 476, 1754, 1756]. **Artists** [673]. **Artmap** [489, 560]. **Arto** [1052]. **ary** [633, 1360]. **ASIC** [857]. **ASICs** [524]. **asking** [1355]. **ASN.CG** [2400]. **Aspects** [441, 771, 2253, 1925, 2119]. **Assembly** [2397, 72]. **Assertion** [1331]. **Assertion-Based** [1331]. **assertional** [1092]. **Assessment** [859, 357, 303, 1518, 650, 883]. **Assignment** [2505, 175, 173]. **Assist** [2418, 2374]. **Assistance** [1916, 1883, 1342]. **Assistant** [2002]. **Assisted** [1483, 1466, 1624, 2373]. **Associated** [384]. **Associative** [555, 29, 338, 345, 473, 1922]. **Associative-Commutative** [29, 345]. **Assumption** [1740, 379, 2043]. **Assumption-Based** [379]. **Assumptions** [1175, 2077, 2581, 2314]. **Assurance** [1531]. **Assuring** [887]. **Asteroidal** [958]. **ASTRAL** [1330]. **Asymptotic** [811, 832]. **Asymptotics** [745]. **Asynchronous** [1438, 839, 2301, 1660, 260]. **Asynchrony** [2300]. **Atherosclerotic** [591]. **ATM** [1133]. **ATMS** [1747, 2265, 2269]. **atomic** [1665]. **atomicity** [1656]. **Attaching** [911]. **Attack** [1883, 2059, 126, 131, 93, 1376, 1335]. **Attacks** [2060, 99, 2083]. **Attained** [1309]. **Attaining** [2083]. **Attention** [1885]. **Attenuation** [585]. **Attitude** [658]. **Attraction** [2163]. **Attractor** [475]. **Attribute** [2129, 1730, 1205, 1281]. **Attribute-Specific** [1730]. **Audio** [1160, 125, 1111]. **Auditory** [2214]. **Augmenting** [969]. **Australian** [1361]. **Authentication** [2113, 1335, 2030, 1333, 2112, 1334, 134, 130]. **Author** [135, 929, 2283]. **Authoring** [1878]. **Authors** [1902]. **Auto** [2210]. **Auto-Organisation** [2210]. **Autoassociative** [2163]. **Autocorrelation** [1294]. **Autoepistemic** [1166, 1185, 1726, 1760]. **Automata** [1985, 788, 680, 1017, 763, 2203, 541, 1990, 1036, 1059, 1248, 1072, 260, 1076, 240, 249, 1250, 235, 1085, 250, 233, 261]. **Automated** [1729, 2311, 575, 1421, 437, 1478, 1894, 2312, 652, 216]. **Automatic** [513, 842, 637, 506, 2498, 2215, 2196, 1941, 1459, 1870, 2333, 1327, 1543, 1480, 524, 1471]. **Automatical** [1974]. **automatically** [1771]. **Automating** [2414]. **Automation** [2375]. **Automaton** [2023]. **Autonomous** [1551, 1992, 316, 941, 650, 1776]. **Auxiliary** [825]. **Available** [1940]. **avalanche** [1343]. **average** [67, 263]. **Avoiding** [1198, 701, 1639]. **AWB** [2148]. **AX** [335]. **AX-Unification** [335]. **Axiom** [2247, 708, 1195, 1266]. **Axiomatic** [880]. **axiomatization** [1080]. **Axiomatizations** [244]. **Axiomatizing** [703, 208]. **Axioms** [1175]. **Axis** [1021]. **Axis-Aligned** [1021]. **AXYTRANS** [2123].

B [771, 490, 454]. **B-Cell** [454]. **B-Learning** [490]. **B-Regular** [771]. **Back** [1224]. **Background** [2186]. **Backprojection**

[1451, 588]. **Backtrack** [633]. **Backtrack-Bounded** [633]. **Backward** [385]. **bag** [275]. **Balanced** [952, 2556, 1343]. **Balancing** [957, 312, 616, 1828]. **Balconies** [1914]. **Band** [1387]. **Band-Limited** [1387]. **Bandwidth** [1140]. **Banerjee** [2445]. **Banerjee-Wolfe** [2445]. **Bank** [560]. **Bargaining** [1741]. **Bars** [1901]. **Base** [1526, 410, 1169, 1617, 2455, 1319, 2022, 2501]. **Based** [1890, 598, 373, 371, 2528, 2362, 954, 1388, 835, 2237, 393, 398, 1331, 1220, 1584, 404, 379, 600, 2438, 2480, 2316, 784, 1954, 562, 2023, 115, 54, 2047, 1221, 2481, 468, 1825, 1863, 1184, 1876, 290, 2152, 2441, 679, 666, 2535, 2145, 1152, 2290, 2184, 2059, 693, 847, 2416, 2021, 1455, 2301, 403, 307, 1491, 853, 90, 2054, 1897, 934, 2440, 887, 781, 608, 636, 619, 1958, 1441, 2329, 869, 2176, 690, 1492, 2095, 149, 2267, 2132, 2077, 943, 565, 521, 1616, 2027, 2067, 2171, 1478, 1923, 1479, 283, 1895, 1463, 1718, 2330, 1898, 576, 2231, 297, 2399]. **Based** [2000, 432, 654, 700, 1157, 481, 625, 510, 1612, 1742, 2209, 1878, 1394, 607, 1281, 652, 1531, 709, 2396, 31, 2390, 1537, 2207, 729, 1755, 1633, 116, 209, 12, 1767, 1341, 1370, 730, 1083, 1241, 1647, 1087, 1357, 1358, 1359, 1569, 1363, 1373, 1509, 1763, 16, 1215, 838, 1571, 2148, 845, 852, 1841, 1363]. **Based-DSS** [1571]. **Bases** [1825, 2254, 1541, 2492, 1536, 2004, 476, 656]. **Basic** [809, 1121, 1228, 2500, 718, 1240, 1078]. **basic-level** [718]. **basing** [1766]. **Basis** [912, 286, 468, 469, 1772, 2410]. **Batch** [106]. **Bayesian** [1379, 584, 467, 97, 590]. **BDB** [1526]. **Be** [2117, 2077, 40, 448, 120, 635]. **Beam** [1452, 588]. **Beauty** [561]. **Bed** [1466]. **Been** [1309]. **Begriffsverzeichnis** [659]. **Behavior** [2407, 924, 1787, 1488]. **Behavior-oriented** [2407]. **Behavioral** [2135, 2010, 2338, 556]. **behaviour** [1756]. **behavioural** [4, 1100]. **Behaviours** [2532, 1259, 1080]. **Being** [1693]. **Belief** [2530, 627, 2241, 1728, 2276, 2280, 2282, 2240]. **Benes** [1363]. **Benes-based** [1363]. **Benign** [1657]. **Bent** [2082]. **Bernstein** [2174]. **Best** [1417, 1111]. **Best-Effort** [1111]. **Best-First** [1417]. **Better** [946, 2117, 2111, 349]. **Between** [1012, 1163, 1900, 2188, 1027, 922, 876, 2265, 1033, 413, 1106, 1710, 5, 713, 1063, 1658, 350, 1503, 1003, 2080, 1420]. **Beyond** [1833, 1943, 1113, 1006, 2494, 1901, 2215]. **Bias** [2359]. **Bibliography** [2472]. **Bichromatic** [971]. **Bildvorlagen** [1910]. **Bimodal** [2252, 488]. **Bin** [1693]. **Binary** [485, 1653, 948, 1029, 2088, 1384, 526, 2583, 1050, 223, 206]. **Binding** [1818, 462, 178]. **Binomial** [2555]. **Biological** [561]. **Biologically** [459]. **Biology** [1709]. **Biophysics** [449]. **Bioreactor** [554]. **bipartite** [210]. **Birth** [2392]. **Bisection** [1697, 1106]. **Bisimulation** [1240, 779, 1238, 1239, 1080]. **bisimulations** [1046]. **Bit** [1689, 114, 850, 264, 1366]. **Bites** [1685]. **bits** [84]. **Blind** [542]. **blinde** [1910, 1912]. **Block** [466, 2432, 1448, 1697, 90, 1390, 1338, 1375]. **Blocks** [319, 1228]. **Blood** [532]. **Blue** [993]. **BMAP** [1792]. **BMAP/G/1** [1792]. **Bodies** [2255]. **body** [747]. **Boolean** [1667, 83, 256, 2021, 1032, 2172, 2197, 1343, 626]. **Boolean-valued** [2197]. **borrow** [1067]. **BOS** [426]. **BOS-Method** [426]. **Bottleneck** [1695, 1798]. **Bottom** [2488, 1202, 2183]. **Bottom-Up** [2488, 1202, 2183]. **Bound** [954, 1391, 1697, 2525]. **Boundaries** [1525, 567]. **boundary** [1090]. **Bounded** [1217, 676, 633, 930, 8, 314, 2524, 1186, 738, 1188, 1402, 2582, 2166, 2536, 831, 750, 67, 221, 235, 266, 194]. **Bounds** [753, 962, 1817, 129, 2065, 746, 1008, 2075, 2173, 2064, 1666, 57, 240, 84, 130, 197]. **Box** [1170, 2322, 215]. **Boxes** [2021, 1345]. **Brain** [1526, 578]. **Branching** [1248, 2582, 256, 1080, 1235]. **break** [111].

Bridging [791, 876, 2401]. **Brightness** [1395]. **Brightness-Contrast** [1395]. **Broadcast** [2572, 764, 1665, 1243]. **Broadcasting** [765]. **broadcasts** [1242]. **Brokers** [1501]. **Browsers** [1909]. **Browsing** [1879]. **Bruijn** [1360]. **Buchi** [760]. **Bufferless** [1678]. **Build** [1840]. **Building** [373, 1746, 319, 816, 606, 1715, 1170, 1610]. **Built** [280, 1191]. **Built-in** [280, 1191]. **Burstall** [1044]. **Bus** [1932, 1140]. **Buses** [1701, 1703]. **Business** [2350, 885, 1302, 2401]. **Business-Oriented** [2350]. **Butterfly** [2570].

C [921, 2424, 1851, 506, 823, 666, 1818, 2439, 2423, 2130, 1850, 1610]. **C-KAT** [1610]. **C.I.M** [428]. **Cable** [455]. **CAC** [1600]. **CAD** [651]. **CAD/CAM** [651]. **CADI** [1483]. **Calculating** [272]. **Calculation** [1966, 1384, 1973, 1513]. **Calculi** [1177, 2277, 1964, 1048, 1047, 184, 1096, 198, 208]. **Calculus** [2506, 280, 812, 813, 1603, 1978, 2011, 327, 786, 683, 1593, 1688, 43, 2183, 2437, 778, 2265, 26, 2329, 164, 1007, 2271, 1191, 919, 2151, 171, 1238, 1050, 176, 215, 1230, 178, 207, 1073, 180, 1231, 1241, 189, 2409, 1093, 1239, 1103, 1265]. **Call** [1957, 196]. **Call-By-Name** [1957]. **Call-by-value** [196]. **CAM** [651]. **Camera** [1433]. **Can** [1607, 2117, 2187, 2077, 120]. **Cancellation** [222]. **CANDID** [1550]. **Candidate** [122, 1537]. **Canonical** [55, 2574, 725]. **Capabilities** [2191, 245, 1565]. **Capability** [859]. **Capacities** [1781, 1795]. **Capacity** [2572]. **Capsule** [1326]. **Captured** [40]. **Cards** [2037]. **Cartographic** [1274]. **cascade** [1367]. **Case** [2094, 393, 2370, 338, 2556, 2184, 608, 149, 408, 773, 347, 1563, 2406, 213, 263, 448, 1559, 1563]. **Case-Based** [393, 2184, 608, 149]. **Cases** [286]. **Cash** [2117, 121]. **Castings** [1531]. **Categorical** [812, 41, 1281, 1044]. **Categories** [780, 708, 10]. **categorization** [718]. **Causal** [200, 2257, 2262, 2497, 2270]. **Causality** [1863, 720]. **Causation** [2382]. **cause** [1087]. **caused** [1237]. **Cayley** [1036]. **ccc** [171]. **ccc-calculus** [171]. **CCS** [322, 2152]. **Cell** [1837, 454]. **Cells** [1844]. **Cellular** [2023, 1017, 843, 541, 1494, 1036, 1076]. **Center** [653]. **Centered** [2136, 625, 2227]. **Centering** [451]. **Central** [2540]. **Cerebral** [1464, 570, 456, 1470]. **CERISE** [1618]. **Certain** [959, 2087, 63]. **Certifying** [2094]. **CFP** [1767]. **CG** [718]. **CGMA** [2395]. **Chain** [2594, 1410, 701, 229]. **Chain-Coded** [1410]. **Chain-like** [2594]. **Chaining** [385]. **Chains** [945, 101]. **Challenge** [1495, 1580, 2367, 868, 903]. **Challenges** [1829, 1636]. **Chameleon** [851]. **Change** [2143, 2129, 746]. **Change-Making** [746]. **Changeling** [1971]. **Changes** [1307, 2166, 266]. **Channel** [2590, 1132, 1346]. **Channels** [542, 1350]. **Chaos** [359]. **Chaotic** [1955, 1630, 1219]. **Chapman** [1734]. **Character** [1453, 547, 2163, 1456]. **Characteristic** [767, 1357]. **Characteristics** [575, 2099, 2098]. **Characterizable** [2194]. **Characterization** [158, 1378, 725, 1061, 70, 187]. **Characterizations** [763, 2193, 2012, 831, 189]. **Characterizing** [1749, 573]. **Characters** [1455]. **Charts** [1018]. **Cheater** [2028]. **Checked** [1025]. **Checking** [734, 51, 678, 680, 782, 2338, 645, 1232, 1656, 1260]. **Checklist** [403]. **checksum** [1358]. **Chemical** [400, 520, 1416]. **Chervonenkis** [2199]. **Chest** [533]. **Chip** [515, 1490]. **Chips** [519]. **chocs** [1238]. **Choice** [2476, 1196, 1748]. **Choosing** [1919]. **chordal** [210]. **Chosen** [2083]. **Chromosomes** [1471]. **Chunks** [1561]. **CIM** [1554, 728]. **Cipher** [2033, 92, 93, 1375]. **Ciphers** [90, 1358]. **Ciphertext** [2020, 2083]. **Circle** [975, 2553, 1404, 1374]. **Circuit**

[115, 2589, 1008, 1702, 116, 96]. **Circuits** [254, 1014, 839, 1870, 2333, 846, 2197, 276, 253, 252]. **Circular** [1675, 966, 775]. **Circular-Arc** [1675, 966]. **Circumscription** [2501]. **Clash** [369]. **Class** [372, 1172, 815, 2498, 1497, 1423, 2145, 1984, 2149, 1722, 329, 2150, 274, 1105]. **Class-Based** [2145]. **Class-less** [1497]. **Classes** [955, 2541, 2568, 917, 315, 1527, 824, 2500, 2492, 2582, 2192, 2490, 831, 503, 66, 63, 1052, 16, 1745]. **Classical** [1173, 1299, 413, 1168, 1169, 1190, 174]. **Classification** [1436, 1454, 533, 87, 1423, 611, 296, 532, 594, 503, 595, 1471, 535, 1610, 1767, 1236]. **Classifier** [468, 467, 529]. **Classifiers** [2162, 537, 1492, 502]. **Classifying** [464, 762]. **Clausal** [697]. **Clause** [1594, 206]. **Clause-Diffusion** [1594]. **Clauses** [677, 33]. **Claw** [2025]. **Client** [1840, 1119, 1842, 1794]. **Client-Server** [1794]. **Client/Server** [1840, 1119, 1842]. **Clinical** [1906]. **Cliques** [1028]. **clock** [1359]. **clock-controlled** [1359]. **Clocks** [1981, 919]. **CLOG** [2145]. **Closed** [763, 1798, 708, 1234]. **closest** [227]. **Closure** [2036, 1704, 247]. **CLP** [156, 1592, 2518]. **Clustering** [970, 1744, 1825, 1690]. **Clusters** [2207]. **CM** [353, 1634]. **CM-2** [1634]. **CM-5** [353]. **CML** [1263]. **CNF** [603]. **CNN** [1490]. **Co** [757, 1763]. **Co-Finite** [757]. **co-operating** [1763]. **Coal** [1475]. **Coarse** [971, 1424]. **Coarse-to-Fine** [1424]. **CoBase** [1506]. **Cobham** [760]. **Cocomparability** [2595]. **Code** [1229, 506, 1945, 2040]. **Coded** [1410, 1813]. **Codes** [1005, 2563, 2030, 362, 1530, 1338, 1335, 1333]. **Coding** [1391, 1406, 1428, 1390]. **coefficients** [234]. **Coercion** [2008]. **Cognitive** [2389, 648, 1278, 1423, 2210, 1267, 1268]. **Coherence** [1440, 1582]. **Coherent** [2368, 2366]. **cohesion** [1771]. **Collaborative** [1322, 1914]. **Collages** [1268]. **Collapsed** [23]. **Collective** [2433, 356]. **Collision** [88, 2093, 2107, 1340]. **Collision-Free** [88, 2093, 2107]. **Collisions** [2057]. **Color** [1397, 1435]. **Colored** [318, 2204]. **Coloring** [2545, 2550, 1711, 62]. **Colour** [508, 741, 851, 1439]. **Coloured** [315]. **Combatting** [2073]. **Combination** [343, 335, 1422, 634, 561, 402, 534]. **Combinations** [787, 22, 2201, 24, 2538, 2513, 1375]. **Combinatorial** [339, 972, 2563, 997, 2580, 74]. **combinators** [1104]. **Combine** [1682]. **Combined** [26, 1972, 1428, 588]. **combiners** [96]. **Combining** [175, 1591, 290, 188, 1635, 611, 1950, 1719, 346, 1272]. **commands** [1058]. **Comments** [2069]. **Commitment** [1504, 114]. **Committed** [1196]. **Committed-Choice** [1196]. **Commodity** [984]. **Common** [2095]. **Communicating** [819, 1258, 1058]. **Communication** [753, 961, 2224, 2470, 1153, 443, 2225, 1145, 540, 1921, 2523, 1521, 1113, 2450, 1152, 354, 1960, 2301, 1698, 846, 356, 1661, 2078, 1234, 1086, 1243, 1082, 1084, 84]. **Communications** [2119, 106]. **Community** [1829]. **Commutations** [1002, 770]. **Commutative** [29, 345, 225]. **Compact** [736, 1598, 2522]. **Compaction** [2589, 998]. **Comparability** [328]. **Comparative** [817, 1400, 499, 1058]. **Comparing** [1834, 572]. **Comparison** [954, 1465, 490, 413, 1835, 701, 1416, 1709, 713, 714, 1374]. **Comparison-Based** [954]. **Comparisons** [1679, 572]. **Compatibility** [770]. **Compatible** [627]. **Compensation** [1823]. **Competition** [483]. **Competitive** [1674, 2587, 742, 2165, 478, 530]. **Compilation** [2450, 2416]. **Compilations** [1970]. **Compile** [1203]. **Compile-Time** [1203]. **Compiled** [2142]. **Compiler** [2419, 1220, 2430, 2418, 2441, 922, 2446, 2422]. **Compilers** [1229, 2449]. **Compiling**

[291, 602, 1634, 2446]. **Complement** [345, 250]. **Complete** [974, 1720, 708, 830, 219, 1080, 822, 740]. **Completely** [448]. **Completeness** [370, 815, 1077, 820, 22, 1191, 23, 2513, 46, 1234]. **Completion** [2007, 689, 47, 470, 41, 233]. **Complex** [1045, 2486, 835, 2477, 2355, 2524, 1712, 2136, 548, 1874]. **complex-like** [1045]. **Complex-Object** [2486]. **Complexities** [1026]. **Complexity** [137, 753, 954, 959, 2160, 2568, 967, 2531, 491, 1221, 1689, 1023, 1767, 2523, 749, 2044, 1383, 1698, 740, 1167, 1723, 2582, 2077, 98, 1008, 747, 2197, 645, 1705, 2199, 997, 2173, 2198, 2583, 949, 880, 1062, 230, 1076, 209, 77, 1079, 1082, 64, 242, 1084, 245, 1052, 264, 263, 262, 1760]. **Component** [950, 2372, 380, 1538, 1159, 1433, 1325, 2127, 709]. **Component-Based** [709]. **Components** [1329, 2467, 906, 2347, 71]. **Components.** [318]. **COMPOSE** [2452]. **Composite** [1477, 1476, 1831, 2452]. **Composition** [1555, 1586]. **Compositional** [2424, 1982, 1950, 330]. **Compositionality** [162]. **Compound** [1419]. **Compounds** [1416]. **Compression** [598, 551, 1389, 234, 1072]. **Computability** [236, 1193, 1074]. **Computation** [2007, 1173, 424, 2001, 2085, 1587, 2309, 2566, 1585, 2308, 752, 1447, 2510, 1188, 2054, 449, 1209, 361, 1933, 1581, 767, 1944, 48, 1602, 1420, 288, 1583, 1084, 1349, 1355, 99, 262]. **Computational** [1135, 2006, 1379, 1576, 597, 756, 2473, 751, 2451, 1546, 64]. **Computations** [1996, 1932, 1857, 2567, 85, 245]. **Computatrix** [450]. **compute** [239]. **computed** [120]. **Computer** [1460, 2369, 2213, 442, 855, 1574, 1163, 2108, 2111, 1484, 1995, 1900, 1586, 1378, 2504, 1483, 2365, 1462, 903, 2347, 856, 2346, 634, 1466, 1624, 1922, 845, 1894, 544, 1588, 864, 2109, 1582, 2008, 1474, 2373, 1596]. **Computer-Aided** [1460, 442, 634]. **Computer-Assisted** [1466]. **Computer-Related** [2108]. **computergestutzte** [1920]. **Computers** [2017, 1003, 360, 1873, 1300, 1874, 1701, 1925, 362, 520, 346]. **Computes** [2476]. **Computing** [783, 2304, 675, 945, 2305, 1584, 2576, 1851, 975, 1943, 2284, 37, 2427, 354, 2285, 1696, 1747, 903, 1600, 351, 697, 363, 1424, 1928, 2199, 2303, 1842, 512, 252, 901, 1283]. **Concentrate** [878]. **Concept** [955, 289, 319, 659, 1861, 1864, 1889, 1720, 1893, 292, 645, 1909, 2207, 1346, 1758]. **Conception** [2368]. **Concepts** [396, 2389, 1121, 1180, 1576, 2177, 431, 625, 2357, 9, 12]. **Conceptual** [438, 2389, 717, 2385, 2379, 1277, 2391, 1744, 2398, 2392, 2460, 2376, 2395, 1499, 2382, 423, 2397, 437, 2381, 2386, 1498, 2401, 434, 2399, 2335, 440, 728, 2396, 2402, 2390, 1610, 729, 713, 715, 716, 731, 730, 721, 714, 725, 720, 722, 732, 726, 733]. **Concerning** [759]. **Concurrency** [788, 776, 1320, 1, 7, 1659, 1089, 1236, 1100, 241]. **Concurrent** [2509, 1539, 885, 2426, 785, 2317, 1022, 2325, 915, 1972, 163, 2295, 2417, 654, 2307, 777, 1196, 1658, 200, 1652, 1092]. **Condition** [51, 1655]. **Conditional** [32, 54, 2247, 43, 50, 25, 22, 24, 35, 155, 2277, 668, 386, 31, 45, 198]. **Conditionals** [386, 2279]. **Conditions** [404, 323, 25, 1434, 2445, 988, 2093, 2032, 1644]. **Conductance** [592]. **Cone** [1452, 588]. **Cone-Beam** [588]. **Conference** [126, 2038, 1368, 1369]. **Conferences** [2096]. **Configurable** [1126, 1926]. **Configuration** [2196, 1998, 1777]. **Confirmation** [1545]. **Conflict** [1883, 238]. **Conflicting** [2343]. **Conflicts** [1440, 2544, 307, 1511, 82]. **Confluence** [2506, 787, 23, 46, 45]. **Confluent** [786, 191]. **Congruence** [979, 1262, 1648, 1080]. **Congruences** [1956, 257]. **Conjecture** [1681]. **Conjugacy** [334]. **Connected** [1507, 950, 958, 470, 1701, 72]. **Connection**

[1177, 1954, 353, 1149]. **Connectionism** [518]. **Connectionist** [648, 484, 544, 472]. **Connectionist-Symbolic** [648]. **Connections** [1163, 464]. **Connectivity** [2546, 2586, 1694, 456]. **Conquer** [1682, 2562, 745, 364, 2549, 217]. **Consecutive** [2591]. **Consensus** [640, 612]. **Consequences** [622, 2550]. **conservation** [182]. **Conservative** [2515, 1200, 181]. **Considerations** [585, 837]. **Considering** [1929]. **Consistency** [21, 2135, 680, 33, 2254, 1183, 2129, 2338, 634, 1775]. **Consistent** [415, 2198]. **Consisting** [1016]. **Conspiracy** [126]. **Constant** [340, 2044, 1093]. **Constrained** [47, 631, 2273, 1776, 131]. **Constraint** [633, 632, 785, 1202, 2246, 2317, 1730, 768, 307, 1999, 1200, 1732, 696, 2519, 672, 1549, 1742, 578, 1775, 1757, 1777]. **Constraint-Based** [307]. **Constraints** [674, 1731, 884, 1136, 1716, 327, 1519, 2339, 799, 661, 1514, 980, 1201, 447, 153, 48, 2147, 2487, 249, 1105]. **Construct** [279, 1325, 2024, 1619, 109]. **Constructed** [2563, 1374]. **Constructing** [1608, 2554, 2543, 1345, 742, 1765, 2549]. **Construction** [140, 963, 2238, 2062, 1559, 2033, 1159, 2574, 1365, 2021, 894, 1600, 1616, 94, 110, 2032, 1193, 1360, 1338, 273, 1247, 1098]. **Construction-Defined** [1600]. **Constructions** [2065, 2064]. **Constructive** [642, 468, 1966, 502, 155, 2278, 174]. **Constructor** [1600, 22, 31]. **Constructor-Based** [31]. **Constructs** [1321, 1226, 2527]. **Contained** [457]. **Content** [1157, 2106, 1056, 174]. **Content-Addressable** [2106]. **Content-Based** [1157]. **Contents** [2223, 1543]. **Context** [1496, 2389, 1015, 866, 649, 1500, 782, 18, 1006, 869, 1031, 2211, 2335, 773, 222]. **Context-Free** [1015, 782, 1031, 773, 222]. **Context-Freeness** [1006]. **Contexts** [168, 1590, 1589]. **Contextsensitive** [1881]. **Contextual** [44, 1211]. **Contextualizing** [2343]. **Contingency** [497]. **Continuation** [2290]. **Continuations** [2150]. **Continuous** [1845, 1153, 316, 1118, 1806, 1146, 1156, 594, 186]. **Contour** [1425, 1399]. **Contour-Detection** [1399]. **Contours** [1462, 1410]. **Contraction** [2433, 1699]. **Contractions** [1738]. **Contradiction** [1725, 1545]. **Contradictory** [288]. **Contrast** [1558, 1395]. **Contribution** [1529]. **Control** [1992, 2324, 1993, 1473, 1477, 554, 1615, 1440, 1153, 866, 2374, 1884, 2435, 1552, 412, 1880, 1521, 1475, 1151, 1857, 2286, 1988, 1124, 1554, 397, 1989, 557, 405, 607, 1117, 1804, 592, 174, 1375]. **control-like** [174]. **Control-Parallel** [2435]. **Controllability** [1990]. **Controlled** [623, 454, 1359]. **Controller** [553, 540, 850, 556, 848]. **Controllers** [552]. **Controlling** [287, 1659, 2205]. **Controls** [2453, 1476]. **Conventional** [2507, 361]. **Convergence** [485, 1031, 97, 495]. **Converting** [1839, 1842]. **Convex** [974, 1020, 977, 2574, 1408, 2268, 999]. **Convolution** [1393]. **COO** [1323]. **cooperating** [1082, 1323]. **Cooperation** [1551, 1892, 2127, 305]. **Cooperative** [1506, 1321, 2010, 1823, 2364, 1772]. **Cooperativeness** [1528]. **Coordination** [920, 2298, 1323]. **Coping** [1773]. **Coq** [193]. **Coreference** [2376]. **Corners** [1409]. **Corona** [1481]. **Corpora** [1535]. **Corpus** [1291]. **Correct** [153]. **Correction** [1401, 97]. **Correctness** [1575, 1220, 2468, 1952, 1640]. **Correlated** [595]. **Correlation** [96, 1450, 131]. **Correlations** [2039, 1366]. **Correspondence** [497, 487, 1448, 544, 1052]. **Corresponding** [2066, 81]. **Corridors** [1914]. **Corrupted** [582]. **Cortex** [456]. **Cosine** [2041, 1389]. **Cost** [352, 1505]. **Could** [40]. **Counter** [759, 235]. **Counting** [223, 2540, 821, 978, 221, 993, 1668]. **Coupled** [455, 1441]. **Coupling**

[2345, 1672]. **Couplings** [1205]. **Courseware** [1923]. **Cover** [739]. **Coverability** [321]. **Coverage** [772, 1281]. **Covering** [968, 1028, 986]. **CPWM** [515]. **Crash** [1661, 2231]. **Crater** [1487]. **Create** [1290, 503, 1049]. **Creating** [2467, 1902]. **Creation** [2289]. **Creative** [642]. **Creativity** [1922, 1924, 1752]. **Crest** [1398]. **CREW** [961, 1683, 1088, 1935]. **CREW-PRAM** [1683]. **Criteria** [308, 2115, 2312, 658, 1710]. **Criterion** [1734, 1917, 2205, 1343]. **Critical** [1166, 1456, 1522, 41, 1294]. **Critical-Pair** [41]. **Critical-Pair/Completion** [41]. **Crochemore** [1679]. **Crochemore-Perrin** [1679]. **Cross** [1450]. **Cross-Correlation** [1450]. **Crossing** [2552]. **Cryptanalysis** [2097, 2019, 2023, 1348, 2056, 1347, 2018, 2060, 2020, 2105, 2038, 91, 92]. **Crypto'91** [2057]. **Cryptographic** [113, 2094, 2566, 2061, 2581, 2116, 89, 2051, 1358, 1354]. **cryptographically** [1345]. **Cryptography** [2121, 2110, 2092, 2052, 1367]. **Cryptology** [2031]. **Cryptosystem** [2056, 133, 1370]. **Cryptosystems** [2068, 100, 2088, 2035, 2029, 2072, 2055, 1332, 1371]. **CSP** [2534]. **CT** [549, 1468]. **CTL** [1260]. **Cube** [2559, 2086]. **Cultural** [1280]. **Culture** [894]. **Cumulative** [1336]. **Curricula** [901]. **Curvature** [930]. **Curve** [102, 2055, 2067, 133]. **Curves** [2510, 2087, 1371]. **Customisable** [1572]. **Customizable** [2237, 2306]. **Customized** [1502]. **Cut** [810, 685, 2126, 1106]. **Cut-Free** [810]. **cuts** [71]. **Cutset** [1842]. **Cutting** [1418]. **Cycles** [798, 1107]. **Cyclic** [19, 1618]. **Cylindrical** [2005].

D [1873, 1753, 1464, 784, 973, 1076, 1017, 1875, 570, 1028, 1446, 942, 1441, 938, 2131, 1282, 568, 1420, 588, 2422]. **D-Graphics** [1875]. **D-Unification** [784]. **Damgard** [2023]. **Data** [1526, 1388, 508, 2389, 2323, 1123, 2425, 2431, 1277, 2480, 1071, 1500, 669, 352, 570, 976, 1443, 1521, 874, 1807, 1560, 2167, 2296, 1468, 354, 1816, 1818, 2294, 1524, 1384, 2178, 2511, 2436, 1888, 2434, 2353, 1597, 2423, 1124, 1821, 1971, 1806, 2494, 1548, 1492, 1566, 2443, 1937, 433, 941, 331, 2444, 2557, 1169, 1871, 420, 2420, 2428, 590, 2461, 582, 1530, 1707, 1470, 1281, 1564, 588, 2022, 657, 1512, 1275, 234, 81, 271, 1778, 14, 2415]. **Data-Flow** [2443]. **Data-Independences** [2511]. **Data-Parallel** [2436]. **Data/Knowledge** [433]. **Database** [1507, 2337, 1568, 2469, 912, 2134, 417, 2453, 156, 1817, 618, 2470, 1506, 2221, 1503, 2391, 1739, 616, 1519, 1559, 669, 799, 2471, 1829, 666, 1570, 1573, 2478, 2491, 801, 1310, 805, 2494, 2497, 1505, 2496, 1569, 1515, 415, 1926, 1572, 2484, 672, 1517, 1823, 670, 1522, 2342, 667, 446, 1564, 1516, 1512, 1097]. **Databases** [1810, 2486, 610, 1495, 2137, 665, 662, 791, 2070, 2459, 2493, 2498, 1309, 2339, 2462, 1527, 2474, 1557, 1829, 1528, 2145, 2341, 1523, 2502, 1525, 1508, 2338, 1879, 671, 1913, 2340, 2483, 663, 1509, 668, 2465, 418, 2454, 2390, 2482, 660, 2207, 1513, 717, 1660]. **Dataflow** [1888, 2446, 1255]. **Datalog** [2476]. **datatypes** [2404, 1645]. **DBMS** [1529, 1518, 1824]. **DCE** [1834, 1833, 1836, 1851, 1852, 1848, 1838, 1837, 1850, 1841, 1844, 1835, 1849, 1843, 1842]. **DCE-based** [1841]. **DCG** [682]. **DCG-Terms** [682]. **DCGs** [1204]. **DDH** [1812]. **Deal** [53, 2287]. **Dealing** [427]. **Debugger** [2292]. **Debugging** [2323, 1331, 1539, 2311, 2317, 2327, 2332, 1199, 2321, 2333, 2329, 2319, 2314, 1725, 2330, 2312, 2328, 2315]. **Decidability** [1011, 207, 759, 36, 781, 49, 1009]. **Decidable** [1984, 1033, 1240, 1745]. **Deciding** [372, 688, 776, 1102]. **Decision** [369, 955, 1172, 2243, 684, 635, 2206, 300, 2260, 344, 1589, 2517, 2274, 626, 658, 2583, 2280, 1666, 83, 1108]. **Decision-Making** [2260, 2280]. **Declarations** [699].

Declarative [2323, 154, 2313, 2317, 1226, 2496]. **Decline** [1299]. **decomposing** [1765]. **Decomposition** [1538, 2005, 326, 2131, 2454, 586, 2207, 1245, 1083, 73, 232]. **Decompositions** [86]. **Deductibility** [2276]. **Deduction** [1175, 1594, 142, 409, 2013, 165, 283, 701, 216]. **Deductive** [2479, 2486, 2495, 156, 141, 2477, 791, 1739, 2493, 2503, 669, 2474, 679, 2502, 1562, 434, 2483, 2484, 697, 668, 2390, 2482, 660]. **Deep** [1884]. **Default** [675, 1727, 141, 380, 1728, 2245, 641, 604, 1166, 2256, 2263, 148, 2267, 381, 696, 2273, 2278, 2279, 2281]. **Defaults** [2233, 2234, 2488, 142]. **Defeasible** [2241, 382]. **Defence** [1883]. **Deferred** [966]. **Deferred-Query** [966]. **Definability** [761, 821, 825, 248, 247, 187]. **definable** [246]. **Defined** [874, 1600]. **Definiens** [170]. **Defining** [2091, 604, 1069, 208]. **Definition** [910, 2132, 714]. **Definitions** [21, 193]. **Deformations** [564, 943]. **Defying** [220]. **Degeneracies** [748]. **Degree** [2546, 2543, 1189, 1768]. **Degree-3** [2543]. **Degrees** [2530]. **Delaunay** [748]. **Delays** [1198, 1698]. **Delegated** [304]. **Delete** [2547]. **Deletion** [1507]. **Delinquency** [2108]. **Deliverables** [1044]. **Delivery** [1111, 1127, 1598]. **delta** [1174]. **delta-Rule** [1174]. **Demand** [1209, 1803, 1117]. **Demandedness** [1208]. **Demands** [1706]. **Demonstration** [1651]. **Dempster** [2281]. **Dempster-Shafer** [2281]. **Demytko** [1364]. **Demytko-Miller-Trbovich** [1364]. **Dendritic** [455]. **Dense** [1004, 1448, 1258, 1102]. **density** [205]. **Dependability** [887, 1802, 1635]. **Dependence** [2443, 2420, 2417, 1751]. **Dependencies** [2175, 2242, 2341, 2497, 657]. **Dependency** [1555, 2149, 1630]. **Dependent** [2551, 1807, 2217, 185]. **Depth** [756, 982, 2197, 833, 2599]. **Depth-First** [982]. **Derivation** [1739, 1971, 2408, 331]. **derivations** [79, 1723]. **Derivative** [1397]. **Derivatives** [564]. **Derived** [2492, 1512]. **Deriving** [1397, 1889, 425]. **DES-based** [1363]. **DES-Like** [2021, 2035, 2106]. **Description** [703, 2238, 704, 570, 2345, 1915, 1983, 1470, 1830, 706, 1405, 71, 1363]. **Descriptions** [2532, 1267]. **Design** [513, 2521, 857, 2305, 2379, 1906, 653, 2221, 2361, 2023, 1867, 1321, 1812, 1555, 1141, 923, 1712, 1852, 1159, 1784, 1497, 850, 1595, 1982, 470, 1518, 1138, 436, 1888, 358, 1562, 1118, 2348, 2130, 1624, 444, 2356, 834, 1914, 502, 2601, 415, 447, 2295, 1898, 526, 837, 1944, 2081, 1137, 2342, 2458, 625, 1623, 1319, 1564, 500, 1116, 1368, 1241, 243, 226, 1340, 2414, 1369, 293]. **Designed** [1612]. **Designing** [1965, 2375, 926, 2068, 2441, 276, 984, 1901, 2351]. **Designs** [466, 687, 896]. **Desk** [2011]. **Desk-Top** [2011]. **Detecting** [2068, 1409, 988, 1971, 1091]. **Detection** [1487, 2575, 1177, 1427, 1558, 1318, 2391, 2452, 1401, 2028, 1410, 2444, 1398, 1400, 596, 1396, 1399]. **Detector** [2231]. **Determination** [999]. **Determined** [875]. **Determining** [2429, 2191]. **determinism** [7]. **Deterministic** [2476, 260, 584, 2532, 752, 1697, 853, 408, 1100, 1039, 329, 2454, 1068, 1073]. **Developed** [906]. **Developer** [651]. **Developers** [1323]. **Developing** [1522, 1763, 1636]. **Development** [452, 1547, 640, 1460, 426, 448, 884, 644, 1314, 427, 669, 2129, 376, 1571, 609, 2009, 388, 2155, 1222, 862, 870, 1961, 445, 1274, 400, 432, 883, 2352, 1563, 133, 268, 1044, 2409, 2411]. **Developments** [1560, 2580]. **Device** [1889]. **Devnet** [317]. **DFA** [2160]. **DFN** [1835]. **DFN-RPC** [1835]. **Diagnosing** [1896, 2314]. **Diagnosis** [1460, 2316, 2313, 2333, 608, 1725, 1479, 1537]. **Diagram** [1685, 2520]. **Diagrams** [2528, 2583, 710]. **Dialect** [2439]. **Dialectica** [1164]. **Dialog** [1880]. **Dialogue** [1883, 1888, 1897, 1907]. **dialogues** [1772].

Diameter [366]. **Dictionaries** [2494]. **Dictionary** [2539, 1535]. **Diekert** [1045]. **Difference** [2059, 2383]. **Differences** [1907]. **Different** [284, 1591, 494, 1003, 1180, 1927, 851, 1465, 1446, 2219, 1398, 2277, 1375]. **Differential** [91, 2097, 2019, 455, 2475, 2060, 2020, 2105, 569]. **Differentiating** [1175]. **Difficult** [1687]. **Difficulties** [2393]. **Diffie** [106, 1372]. **Diffuse** [1433]. **Diffusion** [1594, 1395, 1390, 573, 592]. **Digit** [469]. **Digital** [1129, 2575, 1460, 1485, 1148, 755, 1483, 1488, 1111, 2333, 1119, 2027, 846, 2067, 2113, 1803, 1481, 2069, 1283, 1341, 2058]. **Digitized** [2510]. **Digitizing** [1293]. **Digraph** [1704]. **Digraphs** [1677, 1707, 2204, 75]. **Dimension** [2199, 2197]. **Dimensional** [973, 536, 976, 1444, 1691, 1933, 2356, 2086, 932, 582, 998, 1918, 68, 236, 1250]. **Dimensionality** [2218]. **Dimensions** [429, 2203]. **Diophantine** [1014, 1733]. **Direct** [552, 158, 1681, 1683, 1913]. **Directed** [1694, 153]. **Direction** [1432]. **Directional** [1397, 2542, 166, 1295]. **directionality** [1641]. **Directory** [1837]. **Discipline** [861]. **Discontinuities** [1431]. **Discontinuous** [295]. **Discourse** [2381, 711]. **discourses** [719]. **Discovering** [2335, 2207, 1513]. **Discovery** [1736, 2156]. **Discrepancy** [2080]. **Discrete** [2047, 317, 2041, 2068, 2085, 754, 127, 2363, 1389, 1791, 477, 751, 1341, 1370, 123]. **Discrete-Time** [477]. **Discriminant** [2195]. **Discriminator** [481]. **Discriminator-Based** [481]. **Discs** [997]. **Discussion** [865, 2002, 872, 882, 2095, 897, 902, 890]. **Diseases** [1462]. **Disenrollment** [2102]. **Disentailment** [674]. **Disjoint** [343, 1691, 2578, 1705, 1708]. **Disjunction** [617]. **Disjunctions** [1201]. **Disjunctive** [1004, 599]. **Disk** [1828, 1144]. **Disparity** [1428]. **Displacements** [1430]. **Display** [536, 1289]. **Distance** [1457, 2384, 464, 942, 1295, 1272, 63, 131, 1359]. **Distillations** [2288]. **Distributed** [909, 1845, 1551, 2318, 921, 1317, 348, 1128, 312, 1501, 640, 1834, 1216, 1833, 1135, 2229, 1594, 426, 2470, 2431, 1318, 926, 1662, 2438, 1856, 1503, 1867, 1812, 1552, 1851, 764, 2447, 1313, 1713, 2464, 1872, 1689, 1863, 322, 1784, 2152, 1858, 1227, 1714, 2296, 1981, 2439, 1971, 1839, 1505, 1931, 2272, 1871, 2295, 1146, 663, 919, 1724, 1830, 1849, 2300, 1846, 512, 216, 1672, 200, 70, 243, 1670, 1671]. **Distributing** [274, 1850]. **Distribution** [766, 2096, 2239, 1865, 1486, 354, 126, 2038, 1704, 488, 495, 1065, 1368, 128, 1374, 1350, 1372, 1369]. **Distributions** [536, 754, 1785, 1452]. **Distributivity** [337, 698]. **Disunification** [48]. **Divergent** [53, 1922]. **Divertibility** [114]. **Divertible** [2049]. **Divide** [2562, 745, 217, 364, 2549]. **Divide-and-Conquer** [2562, 745, 364, 2549, 217]. **division** [245]. **DNA** [1687, 2202]. **Do** [2393]. **Doany** [2442]. **Document** [1680, 2375, 1915, 1808, 1543, 2466]. **Document-Driven** [2375]. **Documentation** [1995, 2332]. **Documents** [1136, 1291, 1569, 1902]. **Does** [1023, 2383]. **Dog** [1685]. **Doing** [1574]. **Dokumentation** [1920]. **DOL** [775]. **Domain** [905, 1603, 764, 1306, 634, 1581, 472, 1773, 723, 1074]. **domain-independent** [723]. **Domains** [788, 2006, 1202, 1947, 1250, 1600, 2163, 1535]. **Dominance** [1683]. **Dominant** [1410]. **Domination** [958, 2595, 1000]. **Domination-Like** [1000]. **Doors** [1914]. **Dot** [1494]. **Double** [1181, 2555, 79]. **Double-Ended** [2555]. **Down** [1011, 1204, 1039, 1766]. **downward** [220]. **Draft** [2072]. **Drawing** [2574]. **Drawings** [960, 1459, 1458, 1416, 80]. **Driven** [2375, 1599, 303, 1788, 1209, 444, 607]. **Drops** [1815]. **DSC** [1580]. **DSM** [502]. **DSPNexpress** [1790]. **DSS** [1571]. **Dual** [145, 739, 1381]. **Duality** [2188]. **Duplicate**

[1507]. **Duration** [1978, 1964, 207]. **During** [427, 643, 447, 2135, 2589]. **dyadic** [1264]. **Dynamic** [916, 2591, 735, 474, 956, 2096, 1607, 1198, 678, 1153, 1682, 970, 1812, 2544, 1593, 1712, 1819, 1848, 1787, 1488, 1692, 1693, 693, 985, 2259, 490, 2142, 2288, 2557, 2420, 2428, 590, 2421, 1707, 2451, 113, 2405, 1661, 1663, 1051, 1630, 188, 14, 1099]. **Dynamical** [1987, 412, 236]. **Dynamically** [1126, 1049]. **Dynamically-Configurable** [1126]. **Dynamics** [1179, 498, 1930]. **Dynamism** [1904]. **Dynamization** [978].

E-Matching [1729]. **E-Unification** [54, 1184]. **ear** [1083]. **Early** [2154, 508, 178]. **Ease** [838]. **Easily** [1025]. **Ecological** [1906, 2211]. **Edge** [1030, 1400, 1708, 1711, 1396, 71]. **Edge-Coloring** [1711]. **Edge-Disjoint** [1708]. **Edge-Replacement** [1030]. **EDI** [2122]. **edit** [131]. **Editing** [1591, 1289]. **Editor** [1899, 1808, 834, 1923]. **Editors** [2349, 1909]. **education** [1750]. **Educational** [1483]. **EEC** [2121]. **EEC-RACE** [2121]. **EEG** [563]. **Effect** [2427]. **Effective** [801, 1933, 773, 901]. **Effectively** [2367]. **Effectiveness** [352]. **Effects** [824, 2294, 1907, 2287, 1386, 2217, 595]. **Efficiency** [969, 1892, 1861, 597, 1346, 1629]. **Efficient** [1810, 140, 2182, 1676, 1060, 267, 1955, 966, 2426, 765, 785, 1202, 234, 2047, 973, 974, 1018, 724, 755, 118, 1083, 2167, 1652, 1228, 1656, 300, 2054, 2087, 992, 355, 1126, 1208, 943, 2067, 2538, 1702, 89, 481, 2307, 2465, 288, 2487, 119, 2406, 76, 1669, 1659, 1647, 226, 271]. **Effort** [1111]. **EFH** [1750]. **EFH-Soar** [1750]. **Ego** [1426]. **Ego-Motion** [1426]. **Ehrenfeucht** [814]. **Ehrenfeucht-Fraisse** [814]. **Eigenvectors** [1397]. **Elasticity** [2192]. **elections** [1351]. **Electrical** [579]. **Electronic** [1916, 2017, 2071, 1353]. **Elementary** [138]. **Elements** [2404, 2350, 2540, 1530]. **ELF** [1486]. **Elicitating** [428]. **Elicitation** [729]. **Elimination** [280, 692, 1259]. **elitist** [1768]. **Ellipse** [1401]. **Elliptic** [102, 2088, 2087, 1371, 2055, 2067, 133]. **Embedded** [1692, 1808, 447]. **Embedding** [159, 1226]. **Embeddings** [365, 967, 74, 572]. **Emerging** [1622]. **Emission** [584]. **Empirical** [884, 2344, 143, 1924]. **Empirically** [875]. **Emulations** [349]. **Enabling** [1623]. **Enactment** [1328]. **Encapsulating** [907]. **encapsulation** [1071]. **Enclosing** [975]. **Encoded** [1439]. **Encoding** [842]. **Encryption** [2060]. **Encryptions** [2040]. **End** [1224, 1886, 1623]. **End-User** [1886]. **End-Users** [1623]. **Ended** [2555]. **Endomorphic** [2413]. **Energy** [516]. **Enforcement** [2468, 672]. **engine** [730]. **Engineer** [406]. **Engineering** [289, 858, 905, 286, 885, 1302, 1309, 861, 1326, 1969, 1497, 643, 886, 1306, 875, 876, 877, 868, 2148, 285, 619, 895, 878, 1624, 1616, 1968, 429, 1316, 297, 1799, 654, 879, 883, 891, 1794, 888]. **Engines** [1623, 2106]. **English** [2398]. **Enhanced** [1603]. **Enhancement** [556]. **Enhancing** [1129, 1909, 1272]. **Enriching** [662]. **enrichment** [222]. **Ensembles** [2423]. **Entailment** [674, 2519]. **Entities** [2499]. **Entity** [666, 1284]. **Entity-Relationship** [666]. **Entrenchment** [1165]. **Entropies** [627]. **Entropy** [382, 2165, 1789]. **Enumeration** [1869]. **Envelopes** [2584]. **Environment** [1737, 1965, 398, 1311, 2372, 644, 1292, 1586, 1927, 850, 1571, 1328, 2148, 1562, 2130, 1119, 845, 1946, 2455, 1137, 654, 1830, 510, 1563, 512, 2297, 1671]. **Environments** [1834, 2368, 1896, 1309, 1559, 1945, 2129, 1554, 445, 1122, 1853, 1312, 2326, 505, 1878, 936]. **Epistemic** [1165, 2267]. **epoch** [1660]. **EPOS** [1327]. **Equality** [1172, 1079]. **Equalization** [542, 593]. **Equation** [1010, 455]. **Equational** [1223, 21, 1013, 1593, 1032, 31, 1266, 10]. **Equations** [340, 336, 1733, 1945, 455, 2059,

333, 2525, 342, 1602]. **Equivalence** [1011, 313, 1038, 1240, 235, 4, 1102, 258]. **Equivalences** [1043, 776, 1087]. **Equivalent** [2512, 815, 2079]. **Erasing** [1033]. **EREW** [961]. **Ergonomics** [1905]. **Erroneous** [395]. **Error** [2316, 1519, 2313, 1971, 1390, 2198, 97]. **error-correction** [97]. **Error-Detecting** [1971]. **Errors** [2320]. **Essential** [2505]. **Essentially** [1182]. **Establishing** [886]. **Estimate** [2020]. **estimates** [1346]. **Estimating** [1430, 597]. **Estimation** [1819, 583, 1403, 1425, 1815, 1384, 447]. **ETOL** [1038]. **Euclidean** [1578, 991]. **Evaluated** [291]. **Evaluating** [877, 1736]. **Evaluation** [1485, 633, 1817, 424, 618, 2488, 1783, 800, 1859, 291, 2286, 1428, 2356, 2420, 1895, 1894, 1520, 1517, 2115, 561, 1469, 1294]. **Even** [1174, 2062, 744, 2577]. **Even-Mansour** [2062]. **Event** [317, 324, 1988, 1791, 14, 1962, 1249, 1261]. **Events** [1786, 2382]. **Every** [2383]. **Evidence** [1533, 2255, 2258, 1736]. **Evolution** [417, 2135, 649, 416, 2478, 614, 1327, 492, 878, 1700]. **Evolutionary** [2211, 1770, 2457]. **Evolutive** [484]. **Evolving** [819, 1303]. **Exact** [745, 231, 2201, 1068]. **Example** [1307, 1277, 2183, 615, 2231]. **Examples** [2182, 399, 635, 395, 2270, 1108]. **Exceptional** [1903]. **Exceptions** [1721]. **Exchange** [2042, 2112]. **exciting** [201]. **Exclusion** [681, 380]. **Executable** [421, 693, 1197, 721]. **Executing** [1217, 1746]. **Execution** [2479, 2426, 1521, 2445, 2428, 2417, 1724, 2406, 2447]. **Executions** [2293]. **Exhaust** [553]. **Exhaustion** [990]. **Existence** [2103, 829]. **Existential** [645, 731]. **Existing** [1523]. **Expandable** [1855]. **Expansion** [2282]. **Expansions** [2231]. **EXPECT** [1617]. **Expected** [811, 2545]. **Experience** [1304, 1460, 905, 885, 2473, 2288, 2444]. **Experiences** [2154, 1311]. **Experiment** [1324]. **Experimental** [858, 1473, 360, 1876, 895, 878, 1914, 896, 864]. **Experimentation** [873, 881, 901, 888]. **Experiments** [860, 1485]. **Expert** [411, 284, 2344, 1495, 1532, 1553, 609, 606, 1554, 1544, 2270, 408, 1534, 405, 400, 1543, 1530, 402, 607, 1531, 2387, 1535]. **Expertise** [1606]. **explain** [1756]. **Explaining** [2479]. **Explanation** [2181, 1774, 302, 623]. **Explanations** [421, 1882]. **Explanatory** [282]. **Explicit** [19]. **Exploitation** [1862]. **Exploration** [2384, 1913]. **Exploring** [1541]. **Exponential** [1181, 1602]. **Exponentially** [2565]. **Exponentials** [1179]. **Exponentiation** [105, 132, 192, 1373, 101, 1367]. **Expressibility** [811]. **Expressing** [621]. **Expression** [1966]. **Expressions** [2182, 1680, 2527, 2489]. **Expressive** [601, 647, 1078]. **expressiveness** [84]. **Extended** [677, 105, 1680, 1978, 129, 673, 87, 2079, 2065, 779, 132, 1151, 1188, 2040, 599, 2077, 246, 795, 612, 2080, 702, 2083, 2064, 1230, 204]. **Extendible** [834]. **Extending** [1592, 1606, 1848, 2445, 1601, 2381, 2287, 1565]. **Extensibility** [2142]. **Extensible** [926, 2130]. **Extension** [2515, 2346, 2048, 2489, 9]. **Extensional** [786]. **Extensions** [675, 289, 327, 1160, 2256, 2260, 2263, 692, 167, 647]. **External** [475]. **Extra** [1175]. **Extra-Logical** [1175]. **Extract** [1446]. **Extracting** [174, 700, 1753]. **Extraction** [1385, 1404, 1412, 177]. **Extremal** [2597]. **Eye** [2448].

F [172]. **F.F.T.** [88]. **F.O.B.** [2365]. **Face** [2336, 459, 2578]. **Faces** [639, 1482]. **Facets** [1006]. **Facilitating** [1532]. **Facilitatory** [1558]. **Facilities** [1881]. **Facility** [1987, 1506, 443]. **Facing** [407]. **Factor** [589]. **Factorial** [497]. **Factoring** [102, 124, 2377]. **Factors** [876, 1898].

Factory [1304, 885]. **Facts** [668]. **Fahlman** [487, 486]. **Fail** [2065, 118, 2064, 119, 1658]. **Fail-Stop** [2065, 118, 2064, 119, 1658]. **Failure** [284, 154, 2012, 560, 1657]. **failures** [1664, 1666]. **Fair** [2072, 1254]. **Fairness** [1981, 1671, 216, 1252]. **False** [1815]. **Families** [315, 763, 2025, 2026, 1365]. **Family** [318, 2441, 376, 2024, 1759]. **Fast** [485, 857, 105, 1454, 1387, 1631, 1733, 976, 1443, 1472, 1786, 1389, 768, 1447, 1410, 344, 579, 767, 998, 936, 133, 1358, 1367]. **Fast-Convergence** [485]. **Fast-Turnaround** [857]. **Faster** [2598]. **Fat** [986]. **Fault** [1993, 1856, 749, 1870, 1659]. **Fault-Tolerance** [749]. **fault-tolerant** [1659]. **Faults** [947, 1303]. **Faulty** [2331]. **FEAL** [2059, 93, 2036]. **FEAL-4** [2059]. **Feasibility** [2521, 2421]. **Feasible** [1193, 567, 256]. **Feature** [674, 157, 564, 581, 498, 1385, 300, 545, 526, 1105, 495, 1767]. **Feature-Guided** [581]. **Features** [2450, 651, 332, 595, 1105]. **Federated** [2469, 1311]. **feebly** [1365]. **feebly-one-way** [1365]. **Feed** [554, 547, 493]. **Feed-Forward** [554, 493]. **Feedback** [1993]. **Feeling** [1877]. **Feistel** [2030]. **FEMUS** [2469]. **FFT** [2057, 89, 2107]. **FFT-Hash** [2057, 89]. **FFT-Hash-II** [2107]. **FGCS** [2302]. **Fiat** [134, 2027]. **fidl** [1838]. **Field** [1397, 2344, 836, 2210, 837, 848]. **Field-Programmable** [837]. **Fields** [284, 1414, 1441, 1428, 767, 1602, 567, 1357]. **Fight** [2108]. **File** [1155, 2539]. **Files** [1815, 1813]. **Fill** [1696]. **Fill-In** [1696]. **Filling** [965]. **Filter** [1073, 1404]. **Filtered** [1811, 588]. **Filtered-Backprojection** [588]. **Filtering** [1388, 2599]. **Filters** [1424]. **FIN** [2191]. **FIN-Type** [2191]. **Finally** [359]. **Financial** [905]. **findall** [1212]. **Finding** [951, 139, 959, 2548, 622, 600, 318, 1020, 144, 989, 2552, 1482, 1079, 1669]. **Findings** [1924]. **Fine** [1862, 2426, 1424]. **Fine-Grained** [1862, 2426]. **Finetely** [603]. **Finetely-Valued** [603]. **Finite** [373, 139, 757, 1781, 392, 772, 1202, 159, 87, 821, 763, 2203, 776, 634, 2192, 1795, 767, 1602, 595, 1059, 1072, 123, 1080, 1107, 1109]. **Finite-Generated** [392]. **finite-state** [1080]. **Finiteness** [1644, 49]. **Firing** [1027]. **First** [2515, 34, 1417, 683, 33, 1966, 982, 611, 35, 283, 1952, 670, 2150, 573, 218, 175, 1105]. **first-class** [1105]. **First-Order** [2515, 34, 33, 1966, 35, 283, 1952, 670, 218]. **Fitting** [1461, 1176]. **Five** [1006]. **Fixation** [1436]. **Fixed** [237, 496, 1701]. **Fixed-parameter** [237]. **Fixing** [1383]. **Fixpoint** [814, 2475, 1630, 1629]. **Flang** [1207]. **Flexible** [2464, 1611, 927, 510]. **FLINS** [625]. **FLINS-Fuzzy** [625]. **Flow** [1430, 2573, 2324, 1318, 352, 739, 1475, 984, 2434, 2443, 548, 1424, 1081]. **Flowchart** [1012]. **Flowcharts** [150]. **Flowers** [561]. **Flows** [1991, 1874, 1706, 2577]. **Flsim** [181]. **Fluid** [1874]. **Focus** [1867, 1885]. **Foot** [2579]. **Foot-Prints** [2579]. **Forgetting** [481, 1085]. **Fork** [778, 1058]. **Form** [813, 2117, 1525, 36, 148, 1437]. **Formal** [1994, 138, 286, 1307, 1330, 1867, 1016, 1995, 144, 1969, 1301, 2332, 1308, 1325, 2155, 1971, 2268, 1968, 2410, 852, 2277, 2051, 1746, 268, 243]. **Formalising** [428]. **Formalism** [2233, 1965, 714, 1777]. **Formalisms** [2272]. **Formalization** [1732, 172]. **formalized** [190]. **Formally** [642]. **Format** [701]. **Formation** [1469]. **Formats** [1138]. **Forms** [1915, 1950, 238]. **Formulae** [2172, 1041, 13]. **Formulas** [2432, 624, 1745]. **Formulation** [41]. **FORTRAN** [2446, 424, 2431, 1838, 1839, 1937, 2422]. **Forward** [554, 291, 547, 493]. **Foundation** [166]. **Foundations** [589, 1751, 2474, 2478, 1619, 1938]. **Founded** [1726, 2516]. **Four** [741, 1538, 2197]. **Fourier** [1402, 1933, 1452]. **FPGA** [844, 839, 854, 847, 853, 845, 852]. **FPGA-Based** [845, 852]. **FPGAs** [842, 855, 838, 841, 840, 856, 849, 846]. **Fractal** [1477, 2562, 1415, 546, 234].

fractal-like [234]. **Fraisse** [814]. **Frame** [2247, 641]. **Framework** [2541, 1591, 2554, 613, 1330, 2361, 2023, 1739, 1875, 802, 2481, 2248, 920, 1159, 160, 583, 2440, 1284, 1808, 2340, 363, 524, 1269, 282]. **Frameworks** [1890, 905, 873, 5]. **Fraud** [2109]. **frauds** [130]. **Free** [810, 958, 88, 1174, 334, 1015, 782, 1525, 1031, 333, 775, 941, 344, 2025, 1035, 2093, 773, 2107, 1437, 1655, 1042, 223, 1652, 222, 253]. **Free-Form** [1437]. **Free-Space** [941]. **Freeness** [1640, 1006]. **Freezing** [1684]. **Frequency** [1188]. **Frobenius** [1014]. **Frontier** [1033, 762]. **Frontiers** [256, 351]. **Fsub** [1371]. **Fulfilling** [1113]. **Full** [513, 2097, 162, 772, 1022, 1047]. **Fully** [470, 1692, 1693, 985, 1707, 186, 1253]. **Function** [598, 1392, 665, 2057, 2023, 1180, 468, 1486, 469, 2201, 114, 585, 110, 574, 2026, 255, 186, 109]. **Functional** [1625, 2175, 2134, 1176, 1198, 680, 2242, 1210, 820, 1784, 1199, 2320, 824, 1889, 1961, 672, 2125, 1516, 657, 1513, 1641, 2406, 242]. **Functionality** [2213, 2345]. **Functionals** [744]. **Functions** [157, 2236, 1592, 2082, 627, 2585, 2023, 1002, 818, 2523, 2021, 90, 295, 2264, 1031, 1581, 122, 2113, 2197, 2276, 2280, 1638, 83, 1377, 1049, 1376, 1340, 1366, 1343, 95, 252]. **Fundamentals** [886]. **Funds** [2123]. **Furio** [1047]. **Further** [978, 1931]. **Fusion** [1440, 2433, 2388, 1466]. **Future** [448]. **Futures** [928]. **fuzziness** [1508]. **Fuzzy** [411, 618, 2242, 1454, 412, 395, 1508, 405, 848, 625, 386, 733, 401, 560, 625]. **Fuzzy-Centered** [625]. **FX** [1634].

G [1792]. **Gabor** [598]. **Galois** [1954]. **Game** [814, 862]. **Games** [972]. **Gamma** [1648, 2437, 1950]. **GANNet** [500]. **Gap** [1302, 247, 876]. **Gap-definability** [247]. **Gate** [836, 843, 837, 848, 252]. **gates** [254]. **Gauss** [1581]. **Gaussian** [1391, 542, 1461, 595]. **GCLA** [170]. **GCV** [1486]. **GCV-Aided** [1486]. **GemCode** [1530]. **General** [1010, 954, 335, 215, 55, 1682, 54, 974, 2103, 2035, 333, 364, 2077, 153, 2075, 1605, 9, 1629, 123]. **Generalisations** [2533]. **Generalised** [1418]. **Generalising** [386]. **Generalization** [2164, 141, 2183, 293, 948, 1768]. **Generalized** [1658, 978, 1024, 2104, 979, 2321, 62, 2029, 2028, 342, 48, 1001, 2186, 131, 1249, 277, 108, 1363]. **Generate** [287, 95]. **Generated** [392, 2326, 1771]. **Generating** [2530, 2369, 318, 1945, 1031, 1530]. **Generation** [1229, 637, 2237, 2089, 2053, 308, 506, 2498, 1688, 307, 1870, 1009, 626, 330, 524, 2364, 1362, 1364]. **Generative** [315, 1777]. **Generator** [1224, 927, 1348]. **generators** [108, 1363]. **Generic** [1613, 694, 643, 2126, 30, 524, 16]. **Genetic** [935, 513, 2016, 2158, 1768, 1421, 477, 478, 500, 1769]. **Genome** [2179]. **Genomic** [1548]. **Gentzen** [2012]. **Gentzen-style** [2012]. **genus** [67]. **Geocoded** [1492]. **Geographic** [1528, 1284, 1286, 2458, 1297]. **Geographical** [1529, 1527]. **Geometric** [955, 2177, 1525, 938, 1336, 1357, 231]. **Geometrical** [939, 1445]. **geometries** [1374]. **Geometry** [637, 2562, 2451, 573]. **Geometry-Limited** [573]. **Gestalt** [2210]. **Getting** [2060, 1684]. **GGD** [651]. **GIS** [1288, 1281]. **Gist** [2407]. **Given** [1603, 1842]. **Glasses** [1901]. **GLEFATINF** [1591]. **Global** [969, 1076, 1921, 456, 1103]. **Gluons** [2127]. **Go** [1607]. **Goal** [2542, 1309, 303, 153]. **Goal-Directed** [153]. **Goal-Driven** [303]. **Godel** [1171, 2323, 1164]. **Golfkrieg** [1920]. **Good** [310]. **Goodness** [595]. **Goods** [1553]. **Gossip** [2536]. **Gossiping** [2571, 1691, 1697, 2569]. **Grade** [269]. **Gradient** [1388, 1403, 567]. **Gradual** [1626]. **Grain** [2436]. **Grained** [1862, 2426, 971]. **Grammar** [1205, 651, 480, 1082]. **Grammars** [471, 1680, 482, 1015, 2129, 1026, 1205, 1038, 78]. **Granularity**

[2242, 213, 1628]. **Graph** [365, 20, 2507, 86, 967, 2480, 1015, 81, 321, 2395, 1859, 2550, 983, 651, 326, 1973, 2381, 834, 1106, 2402, 57, 63, 71, 269, 1083, 714, 278, 2408, 78, 1099]. **Graph-Based** [2480]. **Graphic** [2528, 1591]. **Graphical** [2546, 1852, 1160, 2353, 1909, 1918, 2328]. **Graphics** [1875, 2367]. **Graphs** [1675, 958, 1012, 743, 2385, 2379, 966, 2595, 1218, 741, 2391, 960, 1686, 2392, 2376, 2586, 2545, 2574, 1691, 1692, 1694, 982, 1984, 985, 2553, 2382, 324, 2397, 991, 2386, 2401, 283, 1036, 2417, 1705, 2399, 1708, 2390, 729, 713, 66, 717, 715, 72, 67, 76, 716, 731, 59, 83, 730, 58, 73, 62, 210, 85, 725, 720, 722, 79, 732, 1107, 726, 733, 1081]. **Gray** [1414, 2563]. **Gray-Scale** [1414]. **Grazing** [1277]. **Greedy** [504, 1001, 2405]. **Grey** [1398]. **grid** [80]. **Grids** [1691, 1697, 68]. **Gröbner** [2004]. **Ground** [1203, 36]. **Group** [1890, 2100, 2571, 1342, 652, 38, 123, 95]. **Group-oriented** [1342]. **Grouped** [1116]. **Grouping** [2219, 1395, 940, 2226]. **Groups** [87, 773, 949]. **Growing** [2190]. **Grows** [121]. **Growth** [811, 678]. **Grundy** [66]. **Grzegorz** [1051]. **Guarding** [2550]. **Guided** [581, 600, 1630]. **Guidelines** [1919]. **Guides** [1926]. **GUIs** [1881].

Halting [206, 1033]. **Hamming** [464]. **Hand** [1463]. **Handbooks** [883]. **Handicapped** [2365]. **Handle** [1592, 2445]. **Handling** [1887, 1495, 2431, 1305, 1586, 2250, 1533, 1201, 2593, 2386, 2272]. **Handprinted** [1455]. **Handwritten** [469, 1915, 1458]. **Hard** [738, 205]. **Hardware** [516, 514, 2435, 1858, 1816, 356, 526]. **Harmonization** [1917]. **Harray** [2446]. **Hash** [2057, 2023, 90, 2113, 89, 2107, 1376, 1340, 2057]. **Hashing** [1811, 348, 88, 1812, 2093, 89, 2601, 1339]. **Hausdorff** [1056]. **HAVAL** [1339]. **Having** [813]. **HCI** [2343, 2344]. **Health** [2061]. **Heap** [2554, 973]. **Heap-like** [2554]. **Heidelberg** [1161]. **HeiMAT** [1161]. **Hellman** [106, 1372]. **Help** [1023, 1881]. **Help-Facilities** [1881]. **Helps** [2575, 1693]. **Hennessy** [1046]. **Herstellung** [1910]. **Heterogeneity** [1853]. **Heterogeneous** [1501, 712, 1123, 2467, 1818, 1383, 2478, 1094, 1823, 1509, 1510, 1489, 1761]. **Heuristic** [1615, 293, 2005, 690, 605, 2170]. **Heuristics** [969]. **Hexagonal** [80]. **HFS** [688]. **HFS-Theory** [688]. **Hidden** [2196, 538, 994, 833]. **Hidden-Surface-Removal** [994]. **Hiding** [2046]. **Hierarchical** [2419, 319, 1533, 2347, 740, 1732, 2513, 2366, 401]. **Hierarchically** [2136]. **Hierarchies** [1721, 2486, 632, 700, 1279, 724, 1082]. **Hierarchy** [2318, 1717, 1165, 1005, 1039, 201, 275, 204, 203, 241]. **High** [465, 857, 516, 1148, 2101, 840, 107, 528, 887, 457, 519, 845, 1534, 1928, 1140, 1531, 1474, 1056, 1937]. **High-Level** [1534]. **High-Order** [528, 457]. **High-Performance** [840, 1928]. **High-Speed** [2101, 107]. **High-Tech** [1474]. **Higher** [466, 2514, 818, 2291, 789, 628, 569, 1219, 56, 706, 175, 1250, 185, 720, 191, 1049, 1103]. **higher-dimensional** [1250]. **Higher-Order** [466, 2514, 2291, 789, 1219, 56, 191]. **Highly** [2350, 2416, 856, 94, 1572, 1343, 852, 1750]. **Highly-Customisable** [1572]. **Highly-Interactive** [2350]. **Highways** [1821]. **Hilbert** [1178]. **Histogram** [1388]. **Historical** [2343, 2010, 671]. **History** [2544]. **HOL** [705]. **holey** [1779]. **holographic** [251]. **holonomic** [932]. **homogeneous** [73]. **Homomorphic** [87, 2103]. **homomorphisms** [1057]. **Honeycomb** [1928]. **Honsell** [1047]. **Hopfield** [539, 550, 751]. **Horn** [2584, 206]. **Hot** [842]. **Hough** [1429, 1403, 1446, 1402, 1401]. **Hough-Like** [1401]. **Hour** [1901]. **Hull** [1408]. **Human** [2369, 2374, 1884, 597, 2347, 2346, 1922, 1894, 1898, 574, 282, 1482].

Human-Computer [2369, 2347, 2346, 1894]. **Humanities** [1280]. **Humans** [310, 2387]. **Hybrid** [1985, 1992, 1987, 1986, 398, 1978, 1991, 1086, 1979, 1982, 1984, 298, 1981, 1980, 2434, 1988, 1977, 1989, 1990, 1983, 484, 505]. **Hypercube** [364, 1699, 217]. **Hypercubes** [2571]. **HyperDEBU** [2292]. **Hyperedge** [1015, 1006]. **Hypergraph** [2584]. **Hypergraphs** [1187, 82]. **HyperLecture** [2371]. **Hypermedia** [1568, 2372, 1566, 1879, 1823]. **HyperPATH** [1568]. **HyperPATH/** [1568]. **Hyperplanes** [953]. **Hyperset** [1589]. **Hypersimple** [757]. **Hypertext** [1567, 2368, 2367, 1832, 1569, 1902, 446, 1882]. **Hypertexts** [2366]. **Hypotheses** [145]. **Hypothesis** [2187]. **Hypothetical** [154].

I/O [954, 1128, 1141]. **I/O-Complexity** [954]. **IC** [2037]. **IC-Cards** [2037]. **Iconic** [461, 1422, 2352, 1104]. **ICSP** [2534]. **IDAGs** [2239]. **Ideal** [2076, 2540, 87]. **Ideas** [2319]. **Identification** [531, 2084, 555, 129, 412, 2169, 1988, 2066, 590, 2218]. **Identifying** [1940, 2331, 2178]. **If** [775, 401]. **If-Then** [401]. **Ignoring** [1092]. **II** [237, 1147, 1113, 612, 89, 831, 1623, 1235, 2107]. **III** [1150]. **ill** [1237]. **ill-timed** [1237]. **Image** [485, 598, 2336, 1388, 1460, 589, 1485, 1391, 1476, 1392, 549, 1406, 1072, 2223, 1484, 533, 1868, 551, 1557, 2220, 1472, 577, 1486, 1483, 1429, 575, 1475, 2334, 1433, 593, 1389, 1425, 1492, 1493, 1915, 550, 1380, 545, 1451, 1479, 1463, 332, 1424, 591, 572, 1480, 1394, 568, 1471, 586, 1489]. **Imager** [575]. **Imagery** [1487, 1422]. **Images** [1397, 2575, 581, 566, 1385, 1387, 546, 1414, 583, 1446, 1384, 1492, 1466, 571, 565, 1431, 1478, 576, 569, 1398, 1481, 1412, 578, 1753, 1091]. **Imaging** [582, 594]. **Imai** [1376]. **imitation** [1756]. **Immutable** [2299]. **Impact** [837, 1149, 1628]. **Impacts** [308]. **Impedance** [579]. **Imperative** [1331, 1226, 1953]. **impersonation** [1335]. **Implement** [856, 285]. **Implementation** [341, 909, 1212, 2154, 2456, 1225, 516, 463, 1826, 1812, 1215, 673, 2101, 1019, 2289, 511, 322, 1866, 854, 2290, 107, 1205, 1197, 1518, 801, 1118, 1207, 364, 1213, 2319, 4, 2484, 1289, 2458, 2307, 1849, 1550, 2170, 1512, 8, 1086, 269, 1652, 1252, 1671]. **Implementational** [170]. **Implementations** [365, 1575, 514, 1227]. **Implemented** [2435]. **Implementing** [715, 168, 44, 169, 671, 870, 557]. **Implicants** [697, 1749]. **Implicates** [697]. **Implication** [1514, 1169, 387, 2487, 1765]. **Implications** [589, 1837]. **Implicit** [2153, 1247, 1355]. **Improve** [421, 870]. **Improved** [2592, 68, 426, 982, 1439, 1827, 2173, 57]. **Improvement** [1304, 1493, 871, 503]. **Improvements** [1203]. **Improving** [2019, 1886, 1533, 1578, 306, 492]. **In-Place** [2554]. **Inaccessible** [2252]. **Inchoative** [2382]. **Incidence** [2265, 2264]. **Including** [508, 2023, 2170]. **Inclusion** [758, 1054]. **incompatible** [1062, 61]. **Incomplete** [1737, 1621, 1842]. **Inconsistency** [1305, 2250, 1549]. **Inconsistent** [2251]. **Incorporated** [448]. **Incorporating** [575, 583]. **Incorrect** [529]. **Increased** [491]. **Increasing** [1694, 1771, 690]. **Incremental** [396, 2089, 1267, 1732, 492, 941, 2180, 1616, 871, 2519, 262]. **Independence** [2595, 1897, 2298, 2277]. **Independences** [2511]. **Independent** [2255, 534, 723]. **Independently** [906]. **Independently-Developed** [906]. **Index** [135, 929, 2283, 659, 976]. **Indexes** [1282]. **Indexical** [2459]. **Indexing** [1438]. **Indicators** [1901]. **Individual** [398, 1907]. **individuals** [1758]. **Induce** [2527]. **Induce-Expressions** [2527]. **Induce-Statements** [2527]. **Inducing** [718]. **Induction** [144, 1186, 480, 30, 1967, 2209, 2207]. **Inductive** [140, 2182, 639, 1593, 399, 642,

43, 145, 33, 821, 293, 2167, 2341, 2166, 2187, 2527, 193, 2185, 2157]. **Industrial** [1994, 284, 1314, 630, 535]. **Industrial-Scale** [1994]. **Industry** [1475, 1474]. **Inequalities** [677]. **Inference** [916, 20, 1539, 392, 2302, 2391, 145, 2254, 2167, 2194, 2166, 2187, 700, 402, 151, 2279, 2157, 1761, 730]. **Inferred** [1823]. **Inferring** [1761]. **Infinite** [761, 260, 261, 259, 1109]. **Influence** [1674, 463, 2242]. **Influences** [1892]. **Informatics** [2179]. **Information** [1317, 2530, 2336, 1501, 2074, 426, 1495, 2379, 1906, 2355, 2418, 427, 562, 443, 1422, 1555, 428, 587, 2464, 617, 2251, 1809, 661, 2427, 583, 2177, 1403, 742, 1446, 2039, 2158, 2095, 2228, 384, 1922, 1913, 1924, 2113, 1297, 1435, 432, 130, 2274, 2466, 2081, 1361, 2075, 2458, 1157, 439, 377, 1842, 1772, 1753, 1056, 265, 1641, 1346, 719, 84]. **information-seeking** [1772]. **Information-theoretic** [130]. **Information-Weighted** [587]. **Infrastructure** [873]. **Inheritance** [916, 162, 1717, 2503, 1586, 1511, 383, 915, 611, 700, 647, 1583, 1060, 1071]. **Inhibition** [453]. **Inhibitory** [522]. **initial** [1359]. **Inlining** [1214]. **Innermost** [52]. **Input** [2182, 526, 607]. **Input-Driven** [607]. **Input/Output** [2182]. **Inputs** [962, 475, 522]. **Inseparability** [808, 1181]. **Insertion** [998]. **Insight** [1844]. **Inspection** [1322, 1478, 1479]. **Inspired** [456]. **Instance** [600, 2046, 645]. **Instance-Based** [600]. **Instance-Hiding** [2046]. **institutions** [15]. **Instruction** [1929]. **Instrumentation** [1797]. **Integer** [962, 2013, 688, 1579, 989, 1706, 245]. **Integral** [739]. **Integrated** [1129, 1135, 450, 1306, 2130, 1923, 1513]. **Integrating** [1568, 1755, 1875, 1527, 906, 2367, 2010, 636, 1569, 2529, 2272, 1914, 299, 387, 1846]. **Integration** [860, 2213, 1784, 419, 1984, 2478, 2148, 2228, 2378, 420, 2138, 654, 1509, 418, 656, 1320, 716, 1259, 1761]. **Integrator** [522]. **Integrity** [2339, 799, 1514, 672, 153]. **Intelligence** [2007, 1996, 2272, 723]. **Intelligent** [640, 1539, 2372, 610, 2002, 644, 2232, 2001, 1713, 642, 1988, 2329, 310, 2494, 2156, 1617, 296, 2458, 2373, 1512]. **INTELTEXT** [2366]. **Intensive** [669]. **Interactice** [1899]. **Interaction** [1887, 1919, 1292, 1414, 2345, 2346, 434, 1894, 1917, 1281, 1751, 1264]. **Interactive** [2336, 2350, 1142, 1875, 1915, 1126, 1127, 1936, 150, 1362, 1750, 115, 116, 120, 2079, 128]. **Interchange** [1138]. **Interchangeability** [1730]. **Interconnected** [473]. **Interconnection** [540, 2400, 358]. **Interconnections** [1854]. **Interdependencies** [2468]. **Interface** [1906, 313, 1292, 1876, 1160, 1858, 666, 1571, 1899, 1897, 2348, 1893, 1808, 1914, 1898, 1909, 2358, 2352, 2373]. **Interfaces** [2369, 1911, 2001, 1880, 1570, 2365, 444, 2351, 1918, 2328]. **Interference** [2247, 2363]. **Interframe** [1430]. **interleaving** [1251]. **interleavings** [1092]. **Interlocks** [1929]. **Intermedia** [1124]. **Intermediate** [2441]. **Interoperability** [1503, 908]. **Interoperable** [662]. **Interoperating** [2467]. **Interplace** [1292]. **Interpolation** [735]. **Interpretation** [1731, 618, 1331, 1202, 1422, 1018, 1164, 1958, 1492, 548, 331, 28, 940, 2226, 1631, 1632, 1069, 1629, 1778, 1628]. **Interpretations** [1954]. **Interpreter** [813, 291, 2290, 606]. **Interpreting** [1243, 1189]. **interrelations** [1052]. **Intersection** [950, 971, 974, 978, 194, 2505, 173]. **Intersections** [993]. **Intertask** [2287]. **Interval** [2591, 1675, 966, 403, 1999, 1956, 2517, 288, 58, 60, 212]. **Interval-Based** [403]. **Intervals** [2591, 736, 391, 69]. **Interworking** [1718]. **Intestine** [1462]. **Intimate** [903]. **Intra** [1330]. **Intra-Level** [1330]. **intractability** [237]. **Intractable**

[2026, 123]. **Introducing** [797, 2232]. **Introduction** [367, 1180, 1976, 1787, 1161, 2403, 1051]. **Introspection** [1185]. **intuitionistic** [176]. **Invariance** [2210, 1396]. **Invariant** [2007, 486, 528, 453, 332, 2079]. **Invariants** [315, 1453, 1951, 1444]. **Invent** [2194]. **Inverse** [580, 1176, 334, 1766]. **Inversion** [579, 1393]. **Inverting** [722]. **Investigation** [591]. **Invited** [1251, 1266, 1230, 514, 2090, 1241, 527, 449, 1257, 17, 49, 30, 35, 2069, 505, 1246]. **Invocation** [2153]. **Involvement** [1918]. **Involving** [385, 1966, 614]. **IP** [2049]. **Irradiance** [1433]. **Irregular** [1381, 2422]. **Irrigation** [407]. **ISALOG** [2486]. **ISAR** [1575]. **ISBES** [1975]. **Isn't** [2126]. **ISO** [1895, 2118]. **ISO-OSI** [2118]. **Isolated** [534]. **Isomorphism** [708, 38, 218, 67]. **Isomorphisms** [1063]. **Isothetic** [992]. **Issues** [170, 2453, 2470, 1788, 887, 1167, 1824, 363, 1294]. **Items** [1538, 1530]. **Iterated** [1451, 253]. **Iteration** [1955, 774, 1219, 81, 1630]. **Iterative** [2430, 1387, 2099, 2098, 2162, 326, 97]. **ITEX** [298]. **IV** [1154]. **IZIC** [1599].

Japan [2284]. **Japanese** [2302]. **JAPROC** [850]. **Jigsaw** [1417]. **Job** [1552, 1662]. **jobs** [1062, 61]. **Jog** [998]. **Joint** [1122]. **Joint-Viewing** [1122]. **JPEG** [1389]. **Jukeboxes** [1821]. **Junction** [1436]. **Junk** [2073]. **Just** [2442].

k-D [973]. **Kalman** [1404, 495]. **kappa** [2200]. **kappa-Label** [2200]. **Karatsuba** [1579]. **KAT** [1610]. **Kayles** [66]. **KBMS** [2457]. **KBMS-Supported** [2457]. **Keeping** [2536]. **Kerberos** [2124]. **Kernel** [2084, 849, 2132, 1289, 1944, 2128, 2133]. **Kernels** [1595, 1393]. **KEW** [1613]. **Key** [2096, 2110, 2103, 2114, 100, 2492, 126, 2035, 2095, 2040, 2072, 2038, 2112, 1372, 106, 1368, 1370, 128, 1374, 1375, 1369]. **Keynote** [858, 866, 898, 873, 883, 891]. **Keystroke** [1293]. **Kid** [2090]. **Kinds** [2193]. **Kinodynamic** [931]. **Kit** [1892]. **KIV** [268]. **KL** [713, 380]. **KL-one** [713]. **KL-ONE-Like** [380]. **Kleene** [829]. **Knapsack** [2056]. **Know** [146]. **Knowing** [613, 1166]. **Knowledge** [1625, 646, 1737, 1501, 417, 2091, 117, 1540, 1607, 286, 409, 1615, 1620, 115, 2047, 1626, 2078, 802, 2046, 410, 399, 2388, 2254, 2079, 643, 1876, 1270, 575, 1541, 2044, 395, 2010, 1571, 1536, 1614, 285, 636, 619, 2397, 1621, 2378, 433, 2381, 2377, 1624, 1569, 2077, 1616, 2048, 615, 1617, 2356, 1479, 292, 629, 1718, 400, 2043, 2080, 297, 2399, 574, 2000, 1619, 654, 2358, 2457, 2380, 1612, 1618, 652, 1531, 2396, 1535, 656, 2186, 2501, 1772, 727, 116, 711, 719, 1763]. **Knowledge-Based** [1876, 636, 619, 1479, 297, 2000, 654, 652, 1569]. **Known** [2059, 93]. **Known-Plaintext** [2059]. **Kohonen** [844, 497, 511, 577, 496]. **Kolmogorov** [527]. **KONTERM** [1543]. **Korea** [2031]. **KorSo** [439]. **Kripke** [1547]. **Kripke-Type** [1547]. **Krypto** [2090]. **Krzysztof** [1042].

Label [2506, 6, 2200]. **Label-Selective** [2506]. **labeled** [1051]. **labeling** [1770]. **Labelled** [679, 1029]. **Laboratory** [879]. **Lambda** [813, 1075, 189, 1193, 2506, 787, 812, 1230, 178, 1073, 786, 180, 2183, 1047, 184, 187, 169, 26, 1093, 1095, 197, 198, 208]. **lambda-calculi** [198, 208]. **lambda-Calculus** [2506, 812, 786, 2183, 26, 1230, 1073, 1093]. **lambda-I** [184]. **lambda-pi-calculus** [180]. **lambda-typed** [208]. **LAMBDALG** [706]. **Lambertian** [1445, 1435]. **Land** [1285, 1761]. **Landmark** [934]. **Landmark-Based** [934]. **Landscape** [1291, 2354]. **Landscapes** [1297]. **Language** [461, 2528, 2486, 793, 2495, 265, 156, 308, 1225, 509, 1584, 911, 2508, 926, 2438, 1321, 159, 1215, 2460, 1181, 1865, 1599, 920, 2462,

641, 2144, 823, 1499, 376, 824, 2145, 2049, 2169, 789, 2168, 2193, 1197, 2416, 169, 266, 147, 2436, 606, 1907, 2142, 2397, 775, 2268, 2192, 2132, 2496, 1972, 1206, 2295, 1274, 672, 1959, 309, 297, 2222, 2373, 1516, 706, 1743, 305, 1762, 12, 1635, 1771, 720, 16]. **Language-Driven** [1599]. **Languages** [139, 289, 757, 928, 2541, 2508, 1210, 301, 1016, 2518, 1865, 906, 1004, 2184, 758, 2194, 36, 1030, 801, 1031, 1720, 1722, 2153, 1035, 1009, 645, 769, 1938, 2307, 2352, 762, 2159, 1953, 1583, 1066, 248, 1633, 235, 222, 205, 257, 1758, 258, 259]. **Large** [1430, 1580, 1541, 1228, 1462, 2436, 2353, 1824, 1871, 1303, 407, 432, 2366, 1345, 1351]. **Large-Grain** [2436]. **Large-Scale** [432]. **Latest** [2536]. **Lattice** [1218, 2269, 2560, 724]. **Lattice-Theoretic** [2269]. **Lattices** [621]. **Law** [1544, 1546]. **laws** [275]. **Layer** [2590, 521]. **Layered** [536, 2180, 493, 1702]. **Layers** [1276, 1234]. **Layout** [1869, 1458]. **Lazy** [2289, 1209, 1208, 2319, 1645]. **LDL** [2485]. **Leading** [1470]. **Leaky** [522]. **Learn** [1737, 2188]. **Learnability** [2175, 757, 2541, 1041]. **Learned** [635]. **Learner** [1535]. **Learners** [2188]. **Learning** [137, 485, 2164, 414, 396, 138, 2160, 2236, 1766, 294, 2541, 398, 555, 2372, 549, 523, 450, 143, 2191, 1744, 1735, 1900, 2208, 1927, 1769, 638, 489, 487, 2257, 486, 2161, 2189, 2184, 1108, 395, 2177, 2165, 2168, 2193, 2206, 1491, 147, 490, 2262, 1421, 295, 636, 2176, 496, 478, 457, 2179, 492, 2180, 451, 2201, 2156, 2211, 2052, 2015, 2172, 2202, 658, 394, 2205, 2173, 2198, 481, 1612, 460, 2190, 2157, 2373, 656, 2186, 2159, 2204, 2240, 265, 266, 1770]. **Least** [1817, 2162, 1404]. **Lebiere** [487, 486]. **Lecture** [2371]. **LEDA** [271]. **Left** [337, 1204]. **Left-Recursive** [1204]. **Leftmost** [52]. **Legacy** [1839]. **Legal** [1609, 1543, 1763]. **Legality** [383]. **LEGO** [172, 1761]. **Lego-land** [1761]. **Lemma** [1030, 255]. **Length** [1678, 2238, 2589, 2510, 1030, 1339]. **Lengths** [100]. **Less** [828, 1497]. **Letter** [1011, 1752]. **Level** [485, 1731, 2499, 926, 1330, 2242, 1142, 2250, 1379, 687, 1293, 519, 845, 1534, 1398, 1623, 718, 1755]. **Leveled** [1678]. **Levels** [1892, 203]. **Leverrier** [767]. **Liberalized** [1174]. **Library** [1325, 922, 271]. **License** [547]. **Life** [1896]. **Liftable** [624]. **Light** [1439, 1576, 1563]. **Lighting** [1432]. **Like** [1401, 387, 1000, 1045, 174, 2554, 234, 62, 2594, 134, 380, 2021, 2462, 2035, 250, 2106]. **limit** [224]. **Limitation** [518]. **Limitations** [2572, 2062, 1937, 85]. **Limited** [1387, 573]. **Limiting** [1611]. **Limits** [238]. **Linda** [2425, 2438, 1633, 1939]. **Linda-Based** [2438, 1633]. **Line** [2575, 1681, 971, 1883, 755, 2588, 556, 561, 1416, 1001]. **Linear** [808, 531, 1011, 2181, 677, 812, 2541, 2572, 1407, 1392, 1344, 2587, 1179, 1210, 995, 1580, 1733, 2249, 822, 1024, 1486, 688, 1026, 1654, 2059, 2301, 92, 2228, 164, 492, 2201, 521, 579, 1192, 1967, 2538, 2578, 2366, 701, 1963, 503, 1708, 1711, 1196, 1053, 176, 1338, 67, 1077, 96, 1096, 1235, 1260, 1058]. **Linear-Time** [1708, 1654]. **Linearisation** [1567]. **linearity** [1640]. **Linearizations** [37]. **Linearly** [815]. **Lines** [953, 1398, 69]. **Lingual** [625]. **Linguistic** [1286, 719]. **Linking** [310]. **Lisp** [2296]. **List** [2310, 2297, 230, 275]. **Lists** [2587, 2206, 1108]. **literate** [2409]. **Live** [331]. **Liveness** [1014]. **LL** [1026]. **LOA** [803]. **Load** [957, 312, 616, 1860, 1828]. **Local** [140, 1013, 2045, 2120, 483, 1261, 782, 742, 2510, 457, 233, 122, 1925, 1929, 85, 1049, 1260]. **Locality** [363]. **Localization** [596]. **Locally** [259, 246]. **Locate** [1484]. **located** [1089]. **Locating** [566, 204, 2035, 1885]. **Location** [1685, 2320, 2522]. **Locking** [1831]. **Löf** [1170]. **Log** [2068]. **Logan** [1533]. **Logarithm** [2047, 1370, 123]. **Logarithmic** [962]. **Logarithms** [2085, 127, 1341]. **Logic**

[808, 411, 2512, 157, 1223, 675, 1727, 2181, 809, 1171, 2515, 2235, 141, 2237, 51, 814, 1198, 632, 780, 162, 601, 1013, 613, 2438, 2480, 785, 2316, 382, 1179, 1210, 2243, 639, 2223, 168, 159, 1215, 154, 2245, 802, 1454, 2247, 2313, 617, 279, 50, 2252, 604, 160, 820, 800, 1949, 687, 1166, 1199, 689, 291, 679, 2256, 2145, 2161, 395, 1726, 847, 165, 2301, 1187, 300, 388, 169, 2261, 614, 801, 620, 843, 628, 1200, 781, 1958, 1167, 148, 691, 2266, 1722, 2267, 164, 599, 381, 331, 624, 1211, 695, 1169, 1725, 152, 1192, 1967, 2517]. **Logic** [612, 166, 153, 1760, 2273, 1719, 2275, 699, 830, 1963, 2278, 2292, 702, 377, 281, 56, 2281, 2186, 2315, 1196, 1053, 174, 176, 1248, 1641, 1067, 209, 1077, 1078, 11, 711, 730, 185, 1247, 1096, 195, 14, 710, 1636]. **logic-based** [209]. **Logical** [1175, 632, 791, 622, 1210, 761, 2248, 1714, 2532, 2478, 825, 1509, 831, 1269, 5, 248, 2244, 1765]. **Logicism** [1607]. **Logics** [703, 1591, 301, 2251, 686, 603, 1168, 624, 1719, 1748, 1759, 244, 1760, 732, 1109]. **LOGIDATA** [794, 797, 806, 793, 792, 790, 798, 796, 803, 804]. **Login** [2111]. **LOKI** [2019, 2018]. **LOKI91** [1347]. **Long** [1414]. **Long-Range** [1414]. **Longest** [945, 2589, 983]. **Lookahead** [1674]. **Lookup** [841]. **Lookup-Table** [841]. **Loop** [2429, 1177, 1951, 2433, 1257, 2440, 2442]. **Loops** [2430]. **LOP** [341]. **Low** [2078, 1379, 1534, 236, 204]. **low-dimensional** [236]. **Low-Level** [1379, 1534]. **Lower** [753, 954, 962, 627, 2065, 2525, 1008, 197, 2075, 2064, 203]. **LR** [1026]. **Luby** [108]. **Luby-Rackoff** [108]. **Lucas** [1377]. **Łukasiewicz** [387]. **LVQ** [502, 503]. **Lyndon** [225].

M [1049]. **MacDraw** [2358]. **Machine** [807, 461, 1129, 857, 2011, 353, 636, 2052, 852, 1724, 1917, 1612, 2227, 723, 2327]. **Machine-Learning** [636]. **Machines** [348, 1173, 2419, 2430, 772, 350, 352, 2450, 759, 2189, 2511, 2439, 1033, 2187, 831, 750, 2446, 238, 221, 235, 202]. **Macro** [2370, 1019]. **Macroscopic** [1930]. **Made** [952, 1308]. **Magnetic** [582, 578]. **Magnetospheric** [1486]. **Mail** [2073]. **Maintaining** [2135, 1775, 754, 1270]. **Maintenance** [2248, 2129, 1714, 1514, 2331, 1536, 1742, 1776]. **Majority** [2040, 252]. **Makanin** [341]. **Make** [118, 2126, 285, 2383, 119]. **Making** [1776, 734, 1307, 2250, 1611, 2071, 746, 2260, 658, 2280]. **Mammography** [593]. **Man** [1544, 1917]. **Man-Machine** [1917]. **Managed** [913]. **Managed-Object** [913]. **Management** [1551, 2336, 618, 379, 1440, 1502, 1559, 802, 2114, 1809, 2129, 1876, 1227, 2146, 876, 311, 1864, 1315, 1860, 1548, 1808, 615, 795, 2306, 407, 1830, 1312, 1510, 1140, 1116, 1660]. **Manager** [1554]. **Managing** [2143, 884, 2294, 1843, 1542, 1512]. **Manipulable** [1286]. **Manipulating** [2136]. **Manipulation** [1913, 83, 256]. **MANs** [1783]. **Mansour** [2062]. **Manual** [1293]. **Manufacturer** [2365]. **Manufacturing** [653, 652]. **Many** [703, 639, 687, 538, 267, 1366]. **Many-Valued** [703, 687]. **Map** [2239, 1293, 1893, 1273, 1289, 1276, 1762, 586]. **MapA** [517]. **Maple** [705]. **Mapping** [392, 409, 2579, 498, 1687, 437, 2557, 495, 1295]. **Mappings** [2171]. **Maps** [844, 497, 511, 942, 496, 545, 526, 534, 1268, 1461, 1283]. **Marginals** [2260]. **Marital** [1544]. **Marked** [326]. **Market** [559, 1756]. **Marking** [324]. **Markov** [1414, 2196, 1441]. **Markovian** [2219]. **Marriage** [705]. **Martin** [1170]. **Martin-Löf** [1170]. **Massively** [2430, 102, 2085, 2308, 354, 1791, 1961, 520, 2303]. **MAT** [2161]. **Match** [1697]. **Matching** [964, 1679, 1417, 1440, 653, 1729, 642, 2561, 739, 2144, 2395, 976, 1587, 1941, 1447, 1448, 942, 991, 1439, 2394, 1450, 1480, 1437, 1639]. **Material** [1477, 1475, 386]. **Materialization** [665]. **Materialized**

[2492]. **Materials** [1476]. **Mathematica** [1574, 1602]. **Mathematical** [1996, 1599, 144, 2016, 1597, 2003]. **Mathematics** [1162, 1574]. **Matrices** [976, 1695, 2440, 1933]. **Matrim** [1544]. **Matrix** [510, 229]. **Matroid** [2561]. **Matsumoto** [1376]. **Matthew** [1046]. **Maurer** [1356]. **Maurer-Yacobi** [1356]. **Max** [1449, 1206]. **Max-Min** [1449]. **Maximum** [382, 2551, 1020, 1028, 1789, 1030, 737, 1669]. **May** [1067]. **McCAT** [2441]. **McCulloch** [458]. **MD5** [91]. **Meaning** [1182]. **Means** [471, 928, 2397, 331, 1604, 1202, 1635]. **Measure** [205, 1416, 1420, 1359, 264]. **Measurement** [866, 1131, 887, 871, 873, 328, 1469, 1800, 1537, 881, 901]. **Measurement-Based** [887]. **Measurements** [860, 869]. **Measures** [393, 595, 1082]. **Measuring** [870, 863, 596]. **Mechanical** [289, 1872, 612]. **Mechanism** [2152, 453, 1830, 346, 1673]. **Mechanisms** [2017, 873, 701]. **Mechanistic** [2188]. **Media** [1845, 1153, 1118, 1806, 1146, 1156]. **Medial** [571]. **medians** [70]. **Mediator** [1921]. **Medical** [598, 589, 566, 661, 1468, 583, 608, 1466, 571, 565, 576, 297, 572]. **Medium** [1292]. **Meeting** [1916]. **Meets** [2316]. **Mega** [425]. **Mega-Project** [425]. **MEGAPHONE** [1152]. **Megascope** [1844]. **Mellor** [1319]. **Membership** [2236, 45]. **Memories** [357, 473]. **Memory** [348, 1217, 1216, 1856, 2586, 1863, 1861, 2450, 1864, 903, 2439, 990, 2163, 1871, 1724, 1935, 1657, 1255, 96, 1659, 1340]. **Memory-Management** [1864]. **MEMSY** [1858, 1855]. **Mental** [2225, 1268]. **Merge** [1491]. **Mesh** [1701]. **Meshes** [2558, 947, 1703]. **Message** [2289, 1846, 1244, 1673]. **message-passing** [1244]. **Messages** [1678, 2150]. **Meta** [417, 1731, 2508, 926, 291, 1200, 624, 1572, 1546, 1564]. **Meta-Interpreter** [291]. **Meta-Language** [2508]. **Meta-Level** [926]. **Meta-Logic** [624]. **Meta-Model** [417]. **Meta-Programming** [1200]. **Meta-Reasoning** [1546]. **Meta-Visualisation** [1572]. **Metaclass** [927]. **metacomputation** [1637]. **Metadata** [1500]. **MetaFlex** [927]. **Metafor** [707]. **Metal** [2250]. **Metal-Level** [2250]. **Metalevel** [2131]. **Metalogic** [161]. **Metaphor** [1291, 1914, 1878]. **Metaphor-Based** [1878]. **Metaphors** [1290]. **metatheory** [1746]. **Method** [1212, 373, 640, 1831, 815, 1867, 748, 2498, 841, 536, 1521, 293, 132, 2088, 1315, 2148, 2266, 1168, 2020, 1451, 493, 2420, 292, 767, 1456, 1823, 2446, 1767, 92, 93, 1375, 426]. **MethoDex** [609]. **Methodological** [1517]. **Methodologies** [619, 2342]. **Methodology** [1317, 662, 642, 376, 877, 609, 1793, 1624, 667]. **Methods** [1608, 414, 580, 857, 633, 1862, 1477, 448, 911, 2216, 1733, 1969, 468, 597, 107, 1325, 1403, 877, 2194, 413, 1814, 870, 629, 561, 650, 914, 394, 2204, 305, 1766, 1375, 1246]. **Metric** [476]. **Metrication** [2353]. **Metrics** [1411, 896]. **Metropolitan** [1783]. **MHC** [484]. **Micro** [850]. **microdomain** [1752]. **Microscope** [1884]. **Microscopic** [2374, 1930]. **microworlds** [1750]. **Migration** [2585, 1570]. **MIKE** [1616]. **Miller** [1364]. **Milner** [1048]. **MIMD** [2419, 2439, 1874]. **Min** [1449, 1106]. **Mind** [2166, 266]. **Minima** [962]. **Minimal** [1646, 308, 1255, 321, 1696]. **Minimization** [2321, 2165, 738, 843]. **Minimizing** [2589, 2149]. **Minimum** [962, 2238, 69, 1696, 1408, 991]. **Minimum-Space** [1408]. **Mining** [1475]. **Miniscoped** [1967]. **Minor** [763]. **Mints** [171]. **Miprac** [2448]. **Mirror** [1010, 1827]. **Mismatch** [1823]. **Misprints** [1479]. **Missing** [1395]. **Mixed** [641, 2271]. **Mixin** [914]. **Mixin-Methods** [914]. **Mixing** [707]. **MLP** [537, 518]. **Mnemonic** [1530]. **Mobile** [933, 941, 932, 2119, 936, 1232].

Mobius [1002]. **Modal** [694, 1734, 604, 160, 679, 695, 2275, 732, 1247]. **Modality** [1466]. **Mode** [1691, 691]. **Moded** [50]. **Model** [1496, 465, 452, 1727, 913, 792, 1128, 280, 417, 1216, 2456, 648, 1135, 398, 442, 1681, 463, 655, 1277, 600, 2316, 1232, 2374, 649, 2435, 2503, 1500, 673, 435, 1280, 2460, 892, 2245, 816, 2571, 2462, 1527, 1323, 1576, 2139, 1199, 1866, 782, 1247, 2301, 2500, 307, 1524, 933, 1133, 1327, 1310, 1441, 1267, 480, 2174, 1566, 692, 451, 2219, 1515, 943, 521, 1931, 1616, 2287, 1478, 456, 420, 425, 484, 576, 590, 2461, 1724, 2457, 1830, 2173, 1612, 1546, 2322, 1394, 460, 347, 1564, 2364, 1144, 1537, 880, 1295, 2207, 1513, 1283, 186, 1257, 1070, 1260]. **Model-Based** [2316, 1616, 1478, 576, 1612, 1394]. **Modeling** [414, 1992, 2499, 884, 1750, 1783, 2391, 799, 2016, 1288, 1787, 1790, 285, 862, 1793, 530, 2003, 2000, 1997, 1602, 1461, 709, 1805, 728]. **Modelling** [1609, 2375, 1884, 1606, 1414, 1499, 1888, 887, 630, 1621, 433, 941, 1354, 431, 1498, 440, 1953, 1762, 719]. **Models** [531, 373, 1781, 812, 2389, 2480, 566, 2214, 350, 1744, 1003, 893, 2215, 1497, 421, 1785, 1859, 1786, 2196, 1818, 307, 1789, 1981, 479, 423, 1614, 869, 457, 1990, 889, 434, 472, 1193, 1935, 883, 1268, 568, 891, 1275, 1657, 1055, 1073, 1747, 1236, 1100, 1253]. **Modes** [403]. **Modifiable** [1886]. **Modifications** [2331]. **Modified** [2234, 183, 1888, 1356, 550]. **Modifier** [1886]. **modifiers** [1773]. **Modifying** [1519]. **Modular** [1234, 25, 1855, 132, 537, 1373]. **Modularity** [787, 23, 1071]. **Modulation** [515]. **module** [1098]. **Modules** [523, 802, 169, 1761]. **Moduli** [104]. **modulo** [101]. **MoHA** [398]. **Molds** [965]. **Molecular** [1709]. **Moment** [1453, 1444]. **Monad** [1032]. **Monadic** [1172, 825, 832]. **Money** [755, 1353]. **Monge** [1695]. **Monitor** [1858]. **Monitoring** [1946, 1778]. **Monitors** [1800]. **Mono** [1379]. **Monoid** [344]. **monoidal** [254]. **Monoids** [334, 1034, 1059]. **Monolithic** [1842]. **Monotone** [2201, 1702, 2172]. **Monotonic** [385, 2168, 147, 2266, 192]. **Monotonically** [1029]. **MONTAGE** [839]. **Montgomery** [132, 134]. **Montgomery-suitable** [134]. **MOODsup** [805]. **morphic** [1091]. **Morphisms** [774, 1061, 258]. **Morphological** [1406, 1418, 1468]. **MOSIX** [312]. **Mostly** [1693]. **Motion** [935, 1427, 1429, 1434, 1426, 1403, 1425, 1432, 934, 933, 565, 1428, 932, 582]. **Motion-Corrupted** [582]. **Motions** [1935]. **Motivated** [1736, 459]. **Motor** [2361, 2231]. **Move** [2043, 1573]. **Movement** [591]. **moves** [1235]. **Moving** [1685, 2230]. **MR** [581, 570, 1468, 1470, 594]. **MRI** [1388]. **MSM** [2361]. **Muldimedia** [1121]. **Muller** [1249, 843]. **Multi** [485, 1891, 1123, 2050, 2361, 143, 230, 649, 973, 1305, 920, 1423, 984, 1466, 1126, 521, 695, 425, 2275, 658, 568, 1762, 1352]. **Multi-Agent** [143, 1762]. **Multi-Class** [1423]. **Multi-Commodity** [984]. **Multi-Context** [649]. **Multi-Criteria** [658]. **Multi-Dimensional** [973]. **Multi-Layer** [521]. **Multi-Level** [485]. **Multi-list** [230]. **Multi-Modal** [2275]. **Multi-Modality** [1466]. **Multi-Model** [425]. **Multi-Object** [920]. **Multi-Party** [1126, 1352]. **Multi-Perspective** [1305]. **Multi-Purpose** [2050]. **Multi-Resolution** [568]. **Multi-Sensori-Motor** [2361]. **Multi-Sourced** [1123]. **Multi-User** [1891]. **Multicast** [1133, 1132]. **Multicommodity** [2573, 1706, 2577]. **Multicomputers** [971, 2307]. **Multicounter** [240]. **Multicut** [739]. **Multidatabase** [1502, 2468, 1504]. **Multidimensional** [1819, 1029]. **Multilayer** [534]. **Multilevel** [2499, 1510]. **Multilinear** [2161]. **Multilingual** [2469]. **Multilisp** [2287]. **Multimedia** [1128, 1135, 2470, 1136, 1123, 1142, 1141, 1145, 2471, 1809, 1159, 1880, 1113, 1807,

1152, 1161, 1138, 1124, 1126, 1114, 1127, 1808, 1132, 1155, 1146, 1803, 1149, 1112, 2351, 1157, 1878, 1117, 1144, 1116]. **multimediale** [1920]. **Multimodal** [1267, 2266, 2360]. **Multimodality** [575]. **Multimodel** [397]. **Multiple** [916, 1540, 2503, 1532, 2397, 1287, 624, 1989, 889, 2138, 1289, 896, 1480, 1510, 1276, 1638]. **Multiple-Valued** [624]. **Multiplication** [1579, 2087, 253]. **Multiplicative** [698]. **multiplicities** [1230]. **Multiprecision** [1578]. **Multiprocessor** [1784, 1855, 1860, 2466]. **Multiprocessors** [1217, 1856, 1871]. **Multiprogramming** [1857]. **Multiresolution** [1405]. **MULTIS** [1623]. **Multiscale** [577, 571]. **multiset** [1231]. **Multisignature** [2027, 1341]. **MultiSpectral** [1492]. **Multistage** [540]. **Multithreaded** [2304]. **Multivariate** [595]. **Multiversion** [1831]. **MultiView** [1877]. **Multiwindow** [2292]. **Multlog** [703]. **MulTVision** [2293]. **music** [2600]. **Mutual** [646, 681]. **mutually** [1342]. **Myopic** [1693].

NaDSet [1183]. **Name** [2146, 1957]. **Names** [826, 1049]. **Naming** [337]. **Narrowing** [1223, 55, 820, 1209, 1208, 155]. **Natural** [1908, 1175, 308, 1900, 641, 165, 2397, 309, 535, 1771, 720, 1649]. **Nature** [2504]. **Navigating** [2366, 2354]. **Navigation** [2368, 2489, 1755]. **NDB** [2476]. **NDB-PTIME** [2476]. **Nearby** [1947]. **Nearest** [977, 1399]. **Necessary** [1434, 2093, 2032, 1655]. **Need** [1696]. **Needed** [538]. **Needs** [884, 1911]. **Negation** [2486, 154, 1764, 617, 801, 2012, 155, 299, 830, 2485]. **Negation-Complete** [830]. **Negations** [601, 2261]. **Negative** [32, 800, 1185, 265]. **Negative-Conditional** [31]. **Negotiation** [1890, 304]. **Neighborhood** [991]. **Neighbors** [977, 1399]. **Neighbourhood** [496]. **Ness** [316]. **Nested** [914]. **Net** [317, 320, 525, 529, 1249]. **Nets** [780, 2531, 314, 315, 318, 319, 321, 536, 323, 1027, 776, 326, 325, 1515, 751, 444, 329, 82, 7, 214, 1077, 1261, 1354]. **Network** [531, 1551, 1781, 1627, 2238, 509, 516, 539, 515, 523, 563, 501, 506, 2101, 1868, 546, 507, 2120, 540, 1943, 468, 1873, 487, 1785, 464, 2570, 1789, 606, 469, 547, 480, 477, 478, 548, 1893, 550, 1127, 519, 2211, 1155, 456, 556, 1494, 561, 1112, 520, 500, 560]. **Networked** [1853]. **Networks** [2164, 471, 474, 552, 633, 1678, 466, 555, 554, 475, 482, 463, 1148, 765, 947, 1783, 494, 562, 2111, 514, 533, 2215, 551, 540, 412, 577, 366, 470, 2570, 1111, 528, 2258, 2162, 2262, 358, 353, 479, 1133, 1327, 473, 462, 383, 496, 413, 1492, 364, 1699, 1493, 521, 2163, 2557, 1795, 517, 557, 493, 292, 532, 1798, 2081, 647, 1801, 2217, 499, 288, 476, 2577, 512, 578, 535, 1256, 2240, 1775, 1255, 74, 1661, 1754, 1668, 64, 211, 1757, 1670]. **Neural** [531, 2164, 461, 465, 471, 474, 552, 553, 554, 509, 475, 543, 516, 539, 515, 523, 563, 562, 2195, 514, 501, 506, 533, 2215, 546, 507, 540, 536, 468, 487, 470, 528, 467, 2162, 449, 479, 473, 462, 480, 477, 413, 1492, 478, 1493, 548, 1757, 519, 517, 525, 557, 2211, 456, 493, 556, 292, 1494, 532, 561, 529, 520, 2217, 499, 476, 500, 512, 578, 535, 560, 1754]. **Neuro** [412]. **Neuro-Fuzzy** [412]. **Neurocomputer** [511]. **Neurocomputers** [510]. **NeuroGraph** [512]. **Neuron** [522, 524]. **Neurons** [485, 452, 457, 538, 458]. **Neutralization** [702]. **Next** [1449, 1537]. **NFA** [2565]. **NIST** [2058, 2069]. **NMFS** [1155]. **NN** [1399]. **NN-Set** [1399]. **No** [2043, 299]. **Node** [464]. **Nodes** [1817]. **Noise** [1391, 543, 593, 1386]. **Noisy** [522, 1400, 595, 1108, 97]. **Noisy-Leaky** [522]. **Non** [531, 1251, 1407, 1362, 2476, 115, 116, 1387, 385, 2103, 2079, 1966, 2532, 2510, 2440, 1033, 2266, 2228, 1168, 565, 579, 697, 1435, 932, 1935, 2366, 2552, 2454, 504, 476, 2240, 7, 1073, 255, 361, 128]. **Non-Classical** [1168]. **Non-Clausal** [697].

Non-Constructive [1966]. **Non-Crossing** [2552]. **Non-Deterministic** [2476, 2532, 2454]. **Non-Existence** [2103]. **Non-Greedy** [504]. **Non-Hierarchical** [2366]. **Non-holonomic** [932]. **Non-interactive** [1362, 115, 116, 2079, 128]. **Non-Lambertian** [1435]. **Non-Linear** [531, 1407, 2228, 579]. **Non-Local** [2510]. **Non-Monotonic** [385]. **Non-Orthogonal** [476]. **non-probabilistic** [255]. **Non-Rigid** [565]. **Non-Singular** [2440]. **Non-Synchronized** [1935]. **Non-Uniform** [1387]. **Nonasymptotic** [1346]. **nonconvex** [65]. **nondeterminism** [1064, 196]. **Nondeterministic** [750]. **Nonequivalence** [10, 1344]. **nonessential** [1092]. **Nonlinear** [412, 94, 530, 1343]. **nonlinearity** [1344]. **Nonmonotonic** [136, 613, 147, 1167, 611, 1194, 2275, 1748]. **Nonmonotonicity** [2235]. **Nonparametric** [1487, 2215]. **Nonperfect** [1337]. **Nonsupersingular** [2087]. **Noodle** [2496]. **Normal** [2234, 813, 36, 148, 1471]. **Normalization** [438, 52, 172, 177, 183]. **Normalized** [1451]. **Notation** [2400, 1241]. **Note** [2160, 2046, 1734, 127, 384]. **Notes** [1668, 2177, 827]. **Nothing** [1507]. **Notion** [169, 179, 1637, 1252]. **Notions** [2313]. **Novel** [1212, 857, 2395, 2420, 1359]. **Novice** [2358]. **Nozzle** [553]. **NP}** [2077, 815, 2078, 822, 825]. **NP-Complete** [822]. **NP-Completeness** [815]. **NP-Optimization** [825]. **Nucleus** [456]. **Number** [2575, 2053, 464, 1934, 2020, 266, 1074]. **Numbers** [2117, 2524, 2047]. **Numeric** [2001]. **Numerical** [1874].

O [1128, 1141, 925, 1572]. **O-Complexity** [954]. **O-O** [925, 1572]. **ObjChart** [924]. **Object** [1496, 2337, 1568, 438, 913, 2143, 2486, 2495, 912, 928, 2134, 2154, 417, 2456, 430, 2137, 665, 911, 2477, 2508, 791, 1529, 786, 2493, 1851, 2503, 435, 1875, 2498, 1559, 1865, 669, 2230, 2339, 799, 920, 507, 923, 924, 2144, 1825, 1159, 2129, 1880, 1587, 1497, 2139, 1866, 906, 2145, 1152, 486, 1296, 2146, 1523, 1818, 1815, 1455, 1864, 2492, 908, 436, 2141, 2155, 2436, 1511, 2136, 1562, 805, 2142, 2338, 2497, 915, 2496, 803, 1467, 1877, 2340, 415, 434, 1572, 1520, 2483, 918, 400, 2125, 2455, 2342, 1509, 2457, 667, 1830, 2307, 1849, 418, 1312, 1550, 2147]. **Object** [2489, 446, 1565, 2390, 2128, 2133, 2482, 1081, 12, 1241, 16]. **Object-** [1864]. **Object-based** [1509, 12, 1241, 16]. **Object-Centered** [2136]. **Object-Orientation** [2128]. **Object-Oriented** [1496, 2337, 1568, 438, 2495, 912, 928, 2154, 417, 430, 665, 911, 2477, 2508, 791, 1529, 2493, 1851, 2503, 435, 1875, 2498, 1559, 1865, 669, 2339, 799, 507, 923, 2144, 1159, 2129, 1880, 1587, 2139, 906, 2145, 1152, 1523, 1455, 1864, 436, 2141, 2155, 2436, 1511, 1562, 805, 2142, 2338, 2497, 915, 2496, 1467, 434, 1572, 2483, 918, 2125, 2342, 2457, 667, 1830, 2307, 1849, 418, 1550, 2147, 2489, 446, 1565, 2390, 2133, 2482]. **Objectively** [1542]. **Objectives** [866]. **ObjectMath** [1945, 1586]. **Objects** [916, 1965, 664, 2499, 1919, 509, 1831, 791, 939, 2, 977, 1409, 2152, 1848, 2502, 1525, 2136, 2473, 1850, 1211, 444, 1877, 2138, 332, 576, 919, 2151, 1420, 724]. **Obligations** [1330]. **Oblivious** [2559, 2042, 111]. **Observability** [1990]. **Observable** [1049, 13]. **Observation** [2374, 1778]. **observational** [13]. **Observations** [2504, 1312]. **Observers** [2070, 597]. **Observing** [1065, 1089, 1962]. **Obstacles** [2520, 992]. **Obtain** [496]. **Obtained** [570, 120]. **Occam** [1637]. **Occlusions** [1442]. **Occur** [2393]. **OCR** [1915]. **odd** [1357]. **Odor** [414]. **Off** [755]. **Off-Line** [755]. **Offering** [1927]. **Office** [2375, 1830]. **Offices** [1914, 1925]. **offs** [1099, 750]. **Offsetprinting** [1479]. **OLE** [1923]. **omega** [787, 257, 197, 258]. **omega-languages**

[257]. **omega-regular** [258]. **Omnipotent** [1300]. **On-Demand** [1803, 1117]. **On-Line** [1883, 2588, 556, 561, 1001]. **ONC** [1835]. **once** [1640]. **ONE** [380, 753, 842, 2023, 2046, 988, 122, 1036, 2024, 698, 1398, 998, 2198, 206, 1365, 109, 1366, 95, 1339, 713]. **One-Dimensional** [998]. **One-Hot** [842]. **One-Prover** [2046]. **one-round** [95]. **One-Sided** [698, 2198]. **One-Way** [753, 2023, 122, 1036, 2024, 1366, 1339]. **Online** [957, 2547]. **Only** [1173, 613, 1166]. **onto** [1754]. **ontolingua** [714]. **Ontologies** [1623]. **ontology** [726]. **OO** [2453]. **OOAD** [2458]. **OODB** [2138]. **Open** [1845, 2234, 1135, 313, 2400, 1840, 1864, 1191, 829, 1563, 1083]. **Operating** [312, 1864, 306, 2306, 510, 2133, 1763]. **Operation** [170]. **Operational** [820, 1960, 277, 1262, 1266, 241]. **Operations** [1817, 731, 795, 1534, 356, 1776, 724, 1656]. **Operator** [1397, 2475, 1764]. **Operators** [385, 1735, 1421, 406, 729, 215, 714, 1650, 1765]. **Optical** [1430, 580, 548]. **Optimal** [2537, 951, 1675, 811, 1677, 2572, 55, 2597, 1277, 542, 63, 1683, 960, 1663, 2571, 1857, 1408, 746, 933, 364, 1699, 2180, 2034, 999, 2583, 229]. **Optimally** [2576, 754, 204]. **Optimisations** [1220]. **Optimised** [475]. **Optimization** [1223, 811, 339, 1782, 466, 2418, 2480, 2518, 2449, 1521, 324, 1629, 478, 2482, 1643, 825]. **Optimizations** [2430]. **Optimized** [335, 1970, 1847, 492, 695, 848]. **Optimizers** [2481]. **Optimizing** [500]. **Opto** [2231]. **Opto-motor** [2231]. **Optoelectronic** [1854]. **Or-Parallel** [1724, 2286]. **Oracle** [124, 831]. **Oracles** [2568, 239]. **ORB** [1849]. **ORCA** [840, 2423]. **Order** [674, 157, 465, 471, 2515, 466, 34, 911, 1729, 301, 2514, 683, 1415, 33, 818, 1966, 2291, 1585, 2533, 528, 789, 628, 781, 462, 457, 35, 283, 1952, 569, 1219, 670, 699, 832, 56, 573, 46, 706, 218, 175, 77, 185, 720, 191, 1049, 1103, 1246]. **Order-Sorted** [674, 157, 301, 1585, 699, 46]. **Ordered** [2488, 684, 1029, 2516, 212]. **Ordering** [370, 372, 2574, 2259, 2583]. **Orderings** [29, 2256]. **Orders** [981, 328, 40, 833, 59, 60]. **Ordinary** [2055]. **Organisation** [2210]. **Organisational** [868]. **Organising** [481, 495]. **Organization** [2500, 2218]. **Organizations** [1712, 1807]. **Organized** [498]. **Organizing** [844, 549, 2371, 511, 551, 480, 496, 397, 545, 526, 534, 499]. **Orientation** [2217, 2128, 1272, 1670]. **Orientation-Dependent** [2217]. **Oriented** [1496, 2337, 1568, 438, 2495, 912, 928, 2154, 417, 2350, 618, 161, 430, 665, 911, 2477, 2508, 791, 2221, 1529, 2493, 1851, 2503, 435, 1875, 2498, 1559, 1865, 669, 2339, 799, 507, 1326, 923, 2144, 1159, 2129, 1880, 1587, 2139, 906, 2145, 1152, 1523, 1455, 1864, 908, 436, 2141, 2155, 2436, 1511, 1562, 805, 2142, 2338, 2497, 2348, 915, 2496, 1604, 1467, 434, 1572, 2483, 918, 2125, 2342, 2457, 667, 1830, 2307, 1849, 418, 1550, 2147, 2489, 446, 1565, 2390, 2133, 2482, 2407, 1342, 1569, 1081]. **Orthogonal** [960, 1865, 191, 476]. **Oscillator** [454]. **Oscillators** [474]. **OSF** [1833, 1851, 1850, 1841, 1843]. **OSI** [913, 2118]. **Osub** [1568]. **Other** [1304, 947, 2543, 1963, 184]. **Output** [2182, 1339]. **overlap** [223]. **overlap-free** [223]. **overloading** [178]. **Overview** [790, 2530, 835, 320, 2284, 1793, 1572, 2484, 1964]. **own** [1904]. **Oxford** [1535]. **Oz** [2360].

p [1371, 2290, 204, 1934, 197]. **P-adic** [1934]. **P-Continuation** [2290]. **P/poly** [204]. **PAC** [137, 2175, 2177, 2174, 2180, 2173]. **Package** [1483]. **Packaging** [893, 895]. **Packet** [946, 1111, 1701, 1801]. **Packet-Switched** [1111]. **Packing** [1693, 231]. **PACLIB** [1595, 1944]. **Page** [1820, 2585, 2588]. **Paging** [1674, 2586]. **PAGODE** [1224]. **PaiLisp** [2291, 2290]. **Pair** [1447]. **Pair/Completion** [41]. **Pairs**

[945, 741, 786, 985, 2060, 2020, 227]. **Pancake** [366]. **Pancreatic** [454]. **PANDA** [921]. **Panel** [103, 928, 104]. **Paper** [1143, 1147, 1150, 1154, 1158, 2002, 2117, 514, 867, 527, 898, 449, 505]. **Papers** [2284]. **Paradigm** [1304, 858, 2305, 403, 2346]. **Paradigms** [137, 857, 2229, 361]. **Paradox** [876]. **Paragon** [1946]. **Parallel** [1507, 2304, 1212, 1229, 365, 1780, 1965, 1216, 963, 2305, 2424, 2430, 129, 2302, 350, 229, 616, 960, 1686, 2435, 1003, 102, 360, 511, 1945, 540, 1809, 2085, 2590, 1873, 2432, 2309, 2293, 2284, 1521, 1859, 1939, 2574, 2308, 1857, 354, 2285, 982, 2416, 768, 1447, 987, 2511, 2436, 2434, 1934, 856, 988, 1791, 361, 691, 1937, 226, 355, 1213, 2567, 1871, 1961, 65, 351, 1702, 363, 1797, 349, 2080, 2417, 767, 1944, 852, 1724, 362, 1938, 1869, 1935, 520, 2292, 2465, 346, 2303, 1420, 2442, 588, 2446, 2463, 2297, 1068, 1240, 63, 1073, 238, 1086, 64]. **parallel** [1084, 1083, 69, 1659, 212, 2286]. **Parallel-** [588]. **Parallelisation** [922]. **Parallelism** [1862, 2425, 1868, 1940, 1870]. **Parallelization** [2429, 972, 1941, 1942, 1257]. **Parallelizing** [2419, 2449, 2439]. **Parameter** [1952, 237]. **Parameterisation** [1445]. **Parameterization** [1402]. **Parameterized** [325, 1581, 1952, 567]. **Parameters** [1429, 1638]. **Parametric** [779, 195]. **Paramodulation** [684]. **Parsing** [1975, 682, 1204]. **Part** [2250, 1895, 572]. **Partial** [424, 784, 2447, 818, 981, 2039, 781, 2171, 48, 1000, 1246, 1711, 173, 1772, 77]. **Partial-order** [1246]. **Partially** [2488, 2082, 291, 470, 225]. **Partially-Bent** [2082]. **Participants** [2310]. **Participatory** [1624]. **Partition** [1825]. **Partition-Based** [1825]. **Partitioning** [2288, 2421, 986, 1767]. **Parts** [433]. **Party** [1126, 1342, 1352, 1671]. **Passing** [2289, 1952, 1846, 1245, 1244]. **Passive** [1329]. **Patches** [573]. **Patching** [841]. **Path** [29, 2586, 983, 1030, 992, 2489, 1295, 272, 228]. **Paths** [1675, 930, 1691, 985, 2578, 1705, 2552, 1708, 1107, 211, 278]. **Pathwidth** [743]. **Pattern** [139, 964, 563, 2212, 1454, 2144, 976, 470, 2184, 758, 528, 1941, 1870, 413, 2163, 538, 1037, 1009, 2218, 1450, 1386, 595, 592, 1639]. **Pattern-Matching** [1941]. **Patterns** [1419, 923, 853, 2178, 503, 1374]. **PCF** [186]. **PCTE** [2148, 1565]. **PCTE-Based** [2148]. **PDEs** [1873]. **pebbling** [1099]. **PEIRCE** [2392, 731, 730]. **Pen** [1455]. **Pen-Based** [1455]. **Penguin** [1818]. **People** [1911]. **Per-Process** [2427]. **Perceiving** [2224]. **Perception** [398, 939, 2225, 1488, 2600]. **Perceptive** [2229]. **Perceptrons** [534]. **Perceptual** [2219, 2205, 940, 2226]. **Perfect** [2239, 2595, 115, 2077, 2034, 2043, 116, 1637, 1333]. **Perfectly** [2096]. **Perfectly-Secure** [2096]. **Performability** [1802]. **Performance** [857, 633, 357, 1782, 1783, 1836, 1784, 1378, 1859, 840, 2286, 1518, 1790, 1837, 1937, 1901, 521, 1119, 556, 447, 1520, 1797, 1517, 1946, 1928, 1400, 1799, 1813, 596, 1800, 1794]. **Period** [2039]. **Periodic** [774, 1107]. **Perishable** [1553]. **permanent** [1664]. **Permutation** [743, 2558, 2033, 2559, 57, 108, 1363]. **Permutations** [2094, 964, 94, 110, 2024, 2032, 2022, 1365, 109]. **Permuted** [2084, 1695, 843]. **Perpetual** [2569]. **Perrin** [1679]. **Persistence** [972]. **Persistent** [2143, 509, 2467, 420, 2299]. **Personal** [1619]. **Personen** [1910]. **Perspective** [925, 1305, 399, 1361]. **Perspectives** [2343, 1927, 445, 2357]. **Petri** [82, 215, 780, 314, 316, 214, 1077, 317, 318, 319, 320, 321, 323, 1261, 1027, 326, 1515, 1354, 444, 329]. **Petri-Nets** [1515]. **PFL** [672]. **Phase** [2121, 1969]. **Phases** [286]. **Philip** [1053]. **Philosophies** [875]. **Phoneme** [1743]. **Photometric** [1445, 1435]. **Photon** [585]. **Physical** [1687, 2123, 1809, 1807, 2581, 1997].

Physically [943, 565]. **Physics** [516, 2015, 520]. **Physiological** [590]. **pi** [1238, 180, 1231, 1241, 164, 1007, 1239, 1265]. **pi-Calculus** [164, 1007, 1238, 1231, 1241, 1239]. **Picture** [1482]. **Pieces** [1922]. **Piecewise** [492]. **Pignistic** [2280]. **Pilgrim** [1841, 1844]. **pipe** [1058]. **Pipeline** [1929, 1936]. **Pipelining** [1932]. **Pitts** [1049]. **PL1** [2237]. **Place** [2554]. **Placement** [844]. **Plaintext** [2059, 93]. **Plan** [294, 2329, 1776]. **Planar** [741, 1686, 977, 2574, 1691, 1692, 982, 985, 1702, 332, 1705, 1707, 1708, 2577, 960]. **Planarity** [1677, 1692]. **Plane** [945, 637, 930, 977, 2520, 1690, 1434, 2552, 2596]. **Plane-Sweep** [977]. **Planlite** [558]. **Planning** [935, 1735, 931, 1553, 1285, 298, 934, 933, 608, 1449, 1554, 634, 558, 2171, 2401, 932, 1775]. **Plans** [1605, 2402]. **Plaque** [591, 1469]. **Platform** [1135]. **Plausible** [403, 2386, 2279]. **Player** [1156]. **PLDs** [835]. **Plurality** [907]. **Point** [955, 2597, 970, 1685, 979, 1410, 2081, 1437]. **Pointer** [2421, 2408]. **Pointers** [1953]. **Points** [1690, 1446, 1282, 1456]. **Policy** [2306]. **Polling** [1804]. **poly** [204, 189]. **poly-time** [189]. **polyadic** [1265]. **Polychromatic** [1448]. **Polygon** [950, 2548, 2576, 228]. **Polygonal** [1409, 2596]. **Polygons** [951, 1020, 999, 986, 1710]. **Polyhedral** [965, 1409, 994, 1442]. **Polyhedron** [974]. **Polymorphic** [51, 1957, 1650]. **polymorphism** [194, 195]. **Polynomial** [139, 112, 2545, 2161, 1186, 2394, 2525, 831, 258]. **Polynomial-Time** [112, 2161, 831]. **Polynomially** [738, 2565]. **Polynomials** [2174, 767]. **Polytope** [968, 1257]. **polytopes** [65]. **Polytrees** [2257]. **Pool** [1191]. **Popperian** [2191]. **Portability** [363]. **Portable** [1599, 106]. **Portuguese** [1743]. **Poset** [1023]. **Posets** [2540]. **Position** [867, 898]. **Positive** [32, 315, 2167, 2359, 31]. **Positive/Negative** [32, 31]. **Positive/Negative-Conditional** [31]. **Possession** [2044]. **Possibilistic** [2235, 2237, 378, 2253, 628]. **Post** [1052, 1109]. **Posters** [1298]. **Postman** [1685]. **Power** [961, 1782, 2045, 2009, 774, 775, 2567, 751, 767, 238, 1064, 85, 1340]. **Power-Series** [1782]. **powerdomain** [1097]. **Practical** [589, 2406, 2241, 2370, 1334, 1308, 125, 469, 2319, 2066, 359, 1938, 1000, 2083, 1338, 1233, 1351, 1341, 1629, 1636]. **Practice** [430, 1825, 876, 2529, 362]. **Pragmatic** [2311, 1319]. **Pragmatics** [299]. **PRAM** [1683, 1088, 347]. **PRAMs** [961]. **Pratt** [1050]. **Pre** [286]. **Pre-Formal** [286]. **Precedence** [1438]. **Precise** [263]. **Precomputation** [105]. **Preconditions** [144, 277]. **Predecessors** [989]. **Predefined** [21]. **Predicate** [1171, 917, 144, 325, 695, 2171, 1041, 1063, 273]. **Predicate/Transition** [325]. **Predicates** [1162, 2518, 825, 1262]. **Predicative** [1948]. **Predict** [1505]. **Prediction** [531, 543, 1401, 2176]. **Prediction/Correction** [1401]. **Predictions** [560]. **Predictive** [1151]. **Predictor** [1392]. **Preemption** [2509, 702]. **Preferences** [379]. **Preferential** [2234, 2275, 658]. **Preferred** [149]. **Prefix** [366]. **preimages** [1366]. **Preliminary** [675, 2076, 2229, 1131, 614, 1732, 164]. **preorders** [1043]. **Preprocessing** [115, 1478, 116]. **Prerequisites** [1288]. **Presburger** [1182]. **presence** [1666, 1060]. **Presentation** [2371, 2353, 1124]. **Presented** [2057]. **Presenting** [730]. **preserved** [1254]. **preserving** [1254]. **Pressure** [532, 1531]. **Presynaptic** [453]. **Preventative** [1316]. **Prices** [559]. **Pricing** [2073]. **Primal** [739]. **Primal-Dual** [739]. **Primality** [1377]. **Primary** [1885]. **Prime** [2053, 1364, 697, 76, 1749]. **Primes** [2089, 104]. **Primitive** [1419, 1016, 2167].

Primitives [2219]. **Primitivity** [1052]. **Principal** [1265]. **Principle** [2238, 1449, 696, 1192]. **Principles** [671]. **Printed** [1457]. **Prints** [2579]. **Prior** [583]. **priorities** [1258]. **Prioritization** [2285]. **Priority** [973, 2286, 1652]. **Privacy** [2061, 1352]. **Private** [2450, 2040]. **Private-Key** [2040]. **Private-Memory** [2450]. **Probabilistic** [137, 753, 2238, 382, 1744, 2246, 2254, 2570, 1524, 78, 2270, 2173, 2051, 2209, 151, 656, 2240, 256, 131, 255, 1768, 232]. **Probabilistics** [2262]. **Probabilities** [2268, 832, 2280]. **Probability** [627, 754, 2276, 1372]. **Probable** [2089]. **Probe** [955, 264]. **Probing** [953]. **Problem** [1608, 2477, 655, 1014, 741, 337, 2551, 1017, 2598, 2561, 1418, 977, 2126, 2588, 345, 746, 1614, 887, 1033, 1114, 1604, 2269, 1924, 296, 1702, 544, 645, 1623, 2170, 2539, 2008, 1054, 63, 214, 206, 1370, 1047, 231, 1052, 720, 2410, 213, 2592]. **Problem-Oriented** [1604]. **Problem-Solving** [1614, 1623]. **Problems** [485, 953, 2546, 811, 962, 966, 815, 741, 1178, 2547, 1683, 970, 1685, 971, 1686, 975, 2246, 2586, 1712, 822, 2520, 978, 2523, 1730, 2550, 738, 1999, 825, 2210, 862, 737, 740, 938, 1169, 1902, 631, 2522, 1037, 1009, 1705, 2583, 1000, 2596, 1001, 2580, 2422, 1666, 57, 229, 60, 250, 1777]. **Procedural** [416, 2358]. **Procedure** [369, 1172, 684, 2183, 2517, 153, 97]. **Procedures** [1740, 335, 2431, 1589, 41, 387, 1103]. **Process** [1727, 1012, 1391, 555, 1329, 442, 1558, 1580, 385, 11, 1784, 2535, 1306, 875, 2427, 1960, 1328, 1327, 862, 1267, 869, 634, 2228, 870, 1922, 871, 447, 405, 406, 1561, 150, 1312, 2354, 2170, 1251, 1266, 1233, 1078, 1637, 1244, 1070, 1263]. **Processes** [2389, 1277, 290, 1027, 782, 1793, 863, 329, 1658, 200, 1065, 1240, 1232, 1770, 1102, 1256, 1058]. **Processing** [1820, 485, 1128, 508, 1460, 1485, 1476, 616, 2073, 617, 1472, 1483, 1423, 1475, 2334, 2010, 2158, 1525, 1505, 557, 612, 297, 1481, 2446, 1805, 2463, 2297]. **Processor** [2304, 1932, 527, 517]. **Processors** [352]. **prod** [12]. **Producing** [2366]. **Product** [2432, 874, 2557, 769, 229]. **Production** [1772, 2237, 2385, 1555, 1553, 1554]. **Production-Rule** [2237]. **Products** [772, 1031, 561]. **Professionals** [2359, 1903]. **Profile** [859, 2418]. **Program** [2479, 177, 734, 2449, 2293, 2448, 2321, 376, 1958, 1604, 2411, 621, 2417, 153, 880, 268, 1643, 1647, 270, 1044, 2412]. **Programmable** [357, 836, 843, 846, 837, 848]. **Programme** [2121]. **Programmer** [347]. **Programmers** [1837]. **Programming** [1625, 2591, 157, 1727, 921, 2235, 1672, 1329, 161, 632, 162, 1299, 644, 2424, 1210, 639, 168, 2435, 159, 154, 802, 1945, 704, 820, 1948, 823, 2013, 688, 789, 165, 436, 2141, 169, 2261, 490, 2436, 1200, 1167, 1937, 915, 2130, 1211, 2527, 1169, 152, 1206, 163, 1242, 292, 166, 904, 2125, 1938, 1849, 2326, 505, 2357, 1846, 1196, 2405, 81, 1086, 275, 1760]. **Programs** [2512, 2318, 1223, 1547, 2324, 1974, 424, 734, 51, 1331, 1198, 1318, 2426, 785, 2316, 2447, 2313, 2317, 1872, 617, 50, 160, 800, 2432, 2437, 1199, 1859, 2320, 689, 2161, 2325, 620, 2149, 988, 2473, 691, 1722, 2582, 599, 331, 1190, 1961, 1725, 612, 1959, 1950, 700, 830, 2292, 702, 1842, 2186, 2315, 1042, 1641, 2406, 1648, 256, 274, 242, 1092, 1636]. **Progress** [2002, 1548, 1901]. **Project** [806, 2302, 1604, 425, 1624, 1822]. **Projecting** [1754]. **Projection** [501, 2394]. **Projections** [942]. **projective** [1749]. **Projectivity** [528]. **Projects** [1894, 896]. **Prolog** [1042, 676, 1216, 1162, 1202, 1221, 685, 1203, 2286, 169, 1629, 167, 1724, 700, 1628]. **Prologs** [2167]. **Promises** [1937]. **Proof** [1171, 2050, 1330, 1017, 2046, 1183, 1863, 1244, 679, 165, 1087, 602, 612, 153, 2278, 1605, 172, 1746]. **Proofs**

[809, 810, 2091, 1591, 115, 1179, 2078, 704, 50, 2079, 2048, 30, 1190, 2526, 251, 177, 116, 183]. **Propagation** [1742]. **Properties** [1781, 811, 442, 2543, 1951, 1023, 1004, 36, 1188, 2192, 1972, 49, 1959, 2277, 2051, 832, 1962, 1748, 1645, 236, 1076, 77, 193, 1049, 1098, 1254]. **Property** [2454, 247]. **Propose** [1537]. **Proposed** [2058, 2069]. **Proposition** [1398]. **Propositional** [694, 2271]. **ProSet** [1939]. **ProSet-Linda** [1939]. **PROSPECTRA** [376]. **Prosthesis** [903]. **protection** [1346, 1333]. **Protein** [2176, 1461]. **Protocol** [2042, 1155, 111, 120]. **Protocols** [129, 1783, 2111, 2054, 2095, 2080, 2051, 113, 1654, 1349, 1355, 1354, 1353, 99, 1352]. **Prototype** [855, 1840, 2132, 804, 1531, 2446]. **Prototype-Based** [2132]. **Prototypes** [806]. **Prototyping** [1939, 849, 423, 2356, 845, 1206, 2457]. **provability** [1748]. **Provable** [1970, 2105]. **Provably** [2063, 2066, 113]. **proven** [1334]. **Provence** [1328]. **Prover** [2046, 152, 730, 1594, 2078]. **Provers** [1591, 690]. **Provide** [1402, 1549]. **Providing** [1801]. **Province** [1925]. **Proving** [2512, 2515, 1575, 339, 117, 1220, 600, 815, 1729, 642, 43, 33, 2183, 35, 282, 38, 1745]. **Proving-by-Example** [2183]. **Provision** [1922]. **Proximity** [2520, 1416]. **Proxy** [2473]. **Prudence** [2169]. **Pruning** [678, 493]. **Pseudonyms** [2061]. **Pseudorandom** [2033, 110, 2032, 1362, 108, 109]. **PSPACE** [740]. **PSPACE-Complete** [740]. **Psychobiological** [460]. **Psychologies** [1287]. **Psychology** [2210, 1619]. **PTIME** [2476]. **Public** [2110, 1921, 1370, 100, 2092, 2095, 2072, 128]. **Public-Key** [100, 2072, 1370, 128]. **Pumping** [1030]. **Pure** [946, 190]. **Purpose** [2050, 2035, 1605, 1629]. **pushdown** [235]. **pushout** [79]. **Puzzle** [1417]. **PVM** [1943, 1835]. **Pyramid** [1381, 1413]. **Pyramidal** [1744]. **Pyramids** [1383].

Q [295]. **Q-Functions** [295]. **QOS** [1153]. **Quadratic** [2086, 2560]. **Quadtree** [1384, 1382]. **Quadtrees** [963, 1383]. **Qualitative** [2016, 1270, 1296, 1271, 397, 406, 2015, 407, 863, 1997, 1272]. **Quality** [963, 1473, 1476, 1896, 1801, 2190, 1531]. **Quantification** [1476, 645, 1461]. **Quantifications** [1217, 676]. **Quantified** [618, 301]. **Quantifiers** [1966]. **Quantitative** [884, 1315, 869, 1775]. **Quantization** [501, 483, 1394]. **Quantizer** [1491]. **Quantizers** [504]. **Quantum** [1872]. **Queries** [2337, 618, 301, 1519, 1819, 1521, 1188, 1832, 992, 2201, 2489, 1275, 228]. **Querrying** [1523]. **Query** [2591, 1820, 2160, 2488, 966, 1506, 2480, 2460, 2481, 2462, 1527, 2139, 2321, 2010, 1525, 801, 1505, 2490, 831, 2482, 2463, 221]. **query-bounded** [221]. **Querying** [1541, 2496, 1276]. **Questions** [299]. **Queue** [973, 1652, 1792]. **Queueing** [1781, 1785, 1786, 1789, 1795]. **Queues** [2555, 1798]. **Quick** [1665]. **Quiescence** [1252].

R [1042, 2357]. **R-Technology** [2357]. **Rabin** [1059]. **Race** [988, 2444, 201, 2121]. **Rackoff** [108]. **Radial** [468, 469]. **Radial-Basis-Function** [468]. **Radiation** [311]. **Radiological** [2362]. **Radiology** [1460, 2399]. **Rana** [450]. **Random** [2568, 1688, 2045, 2545, 1414, 470, 2511, 1441, 1494, 1704, 1137, 238]. **Random-Dot** [1494]. **Randomised** [2540]. **Randomization** [972]. **Randomized** [2587, 1429, 1861, 1403, 752, 2588, 1703, 2451]. **Randomizers** [2034]. **Randomness** [2092, 987, 358, 122, 1756]. **Range** [962, 1414, 1431]. **Rank** [344]. **ranking** [230]. **Rapid** [140, 849]. **Rare** [1786]. **Raster** [1295]. **Rate** [2074, 2075]. **Ratio**

[1391]. **Rational** [1716, 1738, 1934, 2519, 769, 248]. **Rattlesnake** [1112]. **Ray** [1463, 1481, 833]. **razor** [1637]. **RDBMS** [715, 671]. **Re** [842, 2447, 304]. **Re-Allocation** [304]. **Re-Encoding** [842]. **Re-execution** [2447]. **Reachability** [325, 1707]. **Reaching** [2542]. **Reaction** [400]. **Reactive** [924, 1672, 1632]. **read** [1656]. **Reading** [2567]. **Real** [411, 1473, 1427, 1592, 1978, 1145, 1301, 489, 1472, 1905, 1151, 849, 1114, 1972, 431, 1796, 1303, 447, 2517, 1101, 1112, 2300, 1319, 1144, 1074, 1320, 1070, 1102, 1256]. **Real-Time** [1427, 1978, 1145, 1301, 489, 1905, 1151, 849, 1114, 1972, 1303, 447, 2517, 1112, 2300, 1319, 1144, 1320, 1101, 1070, 1102, 1256]. **Real-World** [431]. **REAL92** [1972]. **Realised** [521]. **Realistic** [508, 457]. **Reality** [2232, 1904]. **realizability** [183]. **Realizable** [355]. **Realization** [1727, 487, 469]. **Really** [1114]. **Reals** [1173, 705]. **Reason** [2248, 1756]. **Reasoning** [2233, 797, 798, 796, 1603, 393, 1609, 136, 34, 379, 613, 2241, 1728, 2243, 1590, 1593, 410, 818, 2253, 2014, 290, 705, 1185, 1296, 403, 628, 1271, 149, 2386, 611, 696, 2015, 650, 1297, 1758, 1194, 626, 402, 1546, 2170, 1779, 1269, 709, 2387, 2487, 1272, 712, 1647, 1092]. **Recognition** [471, 414, 2362, 563, 2212, 1415, 1453, 2215, 546, 486, 528, 1695, 1462, 1459, 469, 547, 413, 2163, 459, 576, 472, 1456, 1386, 1458, 534, 1394, 592, 657, 725, 2600]. **recognizable** [1066, 224]. **Recognize** [538, 76]. **Recognizer** [2363, 1455]. **Recognizing** [332]. **Reconfigurability** [995]. **Reconfigurable** [1676, 2558, 1932, 856, 1701, 1489]. **Reconstructing** [996]. **Reconstruction** [2385, 632, 1392, 581, 1464, 1387, 587, 584, 1486, 981, 1441, 1451, 585, 1450, 582, 1442, 1452, 1710, 588, 586, 1060, 1359, 199]. **Recording** [2370]. **Recovering** [1429, 2264]. **Recovery** [1426, 2465]. **Rectangles** [1021]. **Rectangular** [2520, 992]. **Rectilinear** [2597, 2598, 2520, 228, 2552, 69]. **Recurrence** [457]. **Recurrences** [2562, 745]. **Recurrent** [531, 471, 482, 462, 477]. **Recursion** [786, 1188, 215, 1638]. **Recursions** [1974]. **Recursive** [808, 1820, 181, 638, 2432, 1966, 1204, 261, 2485, 74, 188]. **Recursiveness** [2524]. **Red** [993]. **Red/Blue** [993]. **Redesign** [2019]. **Reduce** [1214, 1673, 1598]. **Reduced** [1847, 1706]. **Reduces** [464]. **Reducibility** [1025, 756]. **Reducing** [1820]. **Reduction** [34, 784, 2191, 786, 1385, 2220, 2535, 171, 1238, 222, 1649, 1745]. **Reduction-Based** [2535]. **Reductions** [2045, 1056, 174, 1093, 197]. **Redundancy** [410]. **Reed** [843]. **Reengineering** [1570]. **Reexamination** [1166]. **Refactoring** [2140]. **Reference** [1907]. **References** [375]. **Refined** [1929]. **Refinement** [372, 1245, 1949, 1617, 621, 215, 276, 2409, 1765, 1101]. **Refinements** [370, 692]. **Refining** [1979, 2444]. **Reflectance** [1469]. **Reflections** [1643, 876]. **Reflective** [655, 2481, 2494, 2132]. **Reflex** [2231, 1515]. **Reformulation** [2181]. **Refunds** [2071]. **Refute** [2187]. **Regime** [2015]. **Region** [463]. **Regional** [1547]. **Regions** [1285, 2552]. **Register** [1228, 1359, 97]. **Registration** [575, 591, 1437]. **Regression** [1310]. **Regular** [471, 2541, 1680, 482, 771, 2194, 1031, 1722, 770, 1035, 762, 1259, 258]. **Regularities** [140]. **Regularity** [36]. **Regularization** [2164, 1392, 494, 1486]. **Reinforcement** [490, 295, 460]. **Rejection** [529]. **Related** [953, 962, 2108, 1685, 975, 2523, 36, 364, 1699, 2582, 1193]. **Relating** [710]. **Relation** [2456, 1027, 2259, 910, 309, 572, 1748, 13, 720, 208]. **Relational** [673, 2462, 1966, 275, 1523, 805, 437, 670, 2404, 717]. **Relations** [350, 1527, 2265, 1282, 391, 700, 1513, 1050, 1766, 1769, 1760]. **Relationship** [1304, 666, 2534, 2581].

Relationships [5, 885, 1555]. **Relative** [2233, 991]. **Relative-Strength** [2233]. **Relativism** [1498]. **Relativistic** [391]. **Relativizing** [2568]. **Relators** [827]. **Relaxation** [632, 1791, 594, 1770]. **Relaxed** [1931]. **Release** [2593]. **RELFUN** [158]. **Reliability** [1786]. **Reliable** [734, 765, 439]. **RelieF** [1910]. **remark** [128]. **Remarks** [1991, 1369]. **Remembering** [2544]. **Removal** [994, 1725, 488, 27, 833]. **Reorganization** [616]. **repeated** [1639]. **Repetition** [701]. **Repetitive** [994]. **Replacement** [313, 1015, 1006, 1030]. **Replaces** [1967]. **Replanning** [1327]. **Replicas** [1809, 1079]. **Replicated** [1826, 2465, 1660]. **Replication** [2588, 1822, 1231]. **Report** [103, 675, 905, 104, 614, 1548]. **Reporting** [2362, 978, 993]. **Reports** [2399]. **Repository** [2154]. **Represent** [1291]. **Representation** [461, 471, 939, 2223, 2339, 711, 2184, 1306, 1597, 453, 629, 400, 309, 574, 1543, 1619, 2396, 401, 718, 719, 1095]. **Representations** [2344, 960, 2441, 1560, 1384, 1918, 2227, 1754]. **Representative** [1282]. **Represented** [396]. **Representing** [390, 686, 643, 1814, 2381, 720, 2380]. **Requests** [2547]. **Requirement** [441, 643]. **Requirements** [1994, 2546, 2154, 1307, 427, 428, 925, 1995, 1308, 1113, 1306, 1889, 1127, 1968, 425, 429, 621, 1382, 101]. **RES** [2233]. **Research** [2302, 875, 876, 903, 1824, 2483, 2031, 1997]. **Resequencer** [1133]. **Reservation** [1504]. **resilient** [1661]. **Resistance** [2019]. **resistant** [1340]. **Resolution** [373, 369, 371, 1716, 694, 683, 816, 684, 385, 2266, 1168, 696, 1549, 2185, 387, 568, 1140, 1766, 238, 722, 689]. **Resolution-Like** [387]. **Resolving** [748]. **Resonance** [582, 578]. **Resource** [304, 1844, 101, 750]. **Resource-Bounded** [750]. **resources** [1258]. **Respectable** [2250]. **Response** [1785, 1847, 585, 2069, 2364]. **Restoration** [1392]. **Restricted** [2251, 2152, 2402, 1041, 1773, 1047, 60]. **Restrictions** [340]. **Result** [734, 2550]. **Results** [112, 1440, 2531, 1836, 1872, 978, 759, 2532, 990, 148, 1723, 164, 2036, 1931, 1382, 207, 1076, 1077, 1047, 1760]. **Rethinking** [871]. **Reticular** [456]. **Retina** [1488]. **Retrieval** [1324, 2336, 562, 2223, 2464, 1557, 1815, 149, 2466, 670, 1157, 724]. **Retrieval-by-Contents** [2223]. **Reusable** [1561]. **Reuse** [509, 441, 892, 893, 1326, 923, 922, 894, 895, 2526, 904, 440, 2402]. **Reusing** [891]. **Revealing** [2039]. **Reversal** [750, 240]. **Reversal-Space** [750]. **Reversals** [366]. **Reverse** [1326, 1969]. **Reversing** [2563]. **Review** [1322, 1614, 1490]. **Revision** [2371, 2241, 1728, 2259, 2271, 2282, 2501]. **Revisited** [812, 2491, 458, 2322, 264, 182]. **Revolution** [1821]. **Rewrite** [787, 2507, 32, 50, 53, 26, 175, 191]. **Rewriting** [2512, 52, 20, 54, 29, 1002, 1593, 25, 44, 47, 18, 1222, 17, 24, 35, 23, 2513, 40, 46, 42, 27, 28, 1642, 173]. **RHT** [1403]. **Rigid** [1184, 1444, 565]. **Ring** [1507, 2067]. **rings** [1669]. **RISC** [1592, 525]. **RISC-CLP** [1592]. **RMTP** [1131]. **RMTP/RTIP** [1131]. **Road** [1516]. **Robin** [1048]. **Robinson** [1181]. **Robot** [935, 2579, 1484, 934, 933, 941, 932, 1776]. **Robotics** [644, 937, 2003]. **Robots** [2232, 936]. **Robust** [1426]. **robustness** [219]. **Rod** [1044]. **ROI** [463]. **Role** [1611, 307, 358, 481, 883, 888]. **rollback** [1673]. **Roof** [1400]. **room** [1893]. **Rotation** [1396]. **Rough** [2072, 658, 2209]. **Roughly** [396]. **Round** [2097, 2044, 95]. **Roundness** [999]. **Route** [2548, 1267]. **Router** [359]. **Routes** [2549]. **Routing** [1678, 2572, 946, 539, 2558, 360, 736, 2571, 540, 2559, 2590, 1697, 541, 1701, 1703, 68, 1667]. **Rozenberg** [1051]. **RPC** [1848, 1847, 1835, 1846]. **RSA** [120, 107, 1355, 99]. **RTIP** [1131]. **Ruby**

[276]. **Rule** [1174, 2237, 404, 409, 2480, 616, 2481, 1184, 290, 606, 2176, 1463, 432, 607, 656]. **Rule-Based** [404, 2480, 2481, 1184, 290, 1463, 607]. **Rules** [791, 635, 1421, 2412, 626, 2209, 401, 2485, 193, 198]. **run** [1656]. **Running** [2291]. **Runtime** [2438, 1227].

S [1345, 2021]. **S-Boxes** [2021, 1345]. **S02** [2098]. **SAC** [2021]. **SACLIB** [1595]. **SACLIB/PACLIB** [1595]. **Safe** [776, 2531, 1249]. **Safer** [2071]. **Safety** [2243, 1022]. **Salomaa** [1052]. **Salzburg** [1925]. **Sample** [137, 1384, 2173, 2198, 595]. **Sampling** [1387, 2180]. **Satellite** [1422, 1492]. **Satisfaction** [2246, 1730, 768, 631, 578, 13, 1757]. **Satisfiability** [815, 631, 828]. **Satisfying** [39, 2021, 1343]. **saturated** [1096]. **Saturation** [323, 1192, 1967]. **Saving** [1679]. **Scalable** [971, 1861, 362]. **Scale** [1994, 1414, 1287, 1289, 432, 1351]. **Scaling** [1149]. **Scanned** [1459]. **Scattered** [1034]. **SCCS** [1243]. **Scene** [940, 2226]. **Scenes** [994, 1442]. **Scheduler** [1971]. **schedules** [1255, 727]. **Scheduling** [61, 1136, 2477, 2418, 1580, 1145, 2593, 2035, 1698, 2594, 1114, 1929, 212, 1144, 1062, 1775, 1662, 60]. **Schema** [1551, 2135, 416, 419, 2478, 1572, 2335, 1823, 1509, 418, 716]. **Schemas** [912, 799, 437, 1572]. **Schemata** [1567]. **Scheme** [2084, 2305, 2047, 2104, 1861, 107, 2296, 1185, 985, 2028, 2027, 2067, 163, 2307, 1116, 1351, 1341, 1356, 134]. **Schemes** [438, 2076, 1012, 2102, 86, 2074, 1686, 87, 2103, 126, 2066, 2038, 2075, 1338, 1342, 1336, 1337, 1350, 1265]. **Schnorr** [2057]. **Science** [1163, 2504, 864]. **Sciences** [1280]. **Scientific** [1829, 2334]. **Scintigraphic** [590]. **Sconing** [827]. **Scope** [2376]. **Scrambler** [2041]. **Script** [641]. **Scrutiny** [1322]. **Seam** [1472]. **Search** [1810, 952, 735, 633, 2089, 678, 1417, 1277, 2587, 2556, 679, 2005, 982, 948, 602, 605, 2516, 2106]. **Searching** [950, 2540, 736, 978]. **Seasonal** [1926]. **Second** [471, 1397, 911, 1729, 832, 573, 1050]. **Second-Order** [471, 911]. **Secondary** [2176]. **Secret** [2076, 86, 2074, 2104, 2054, 2028, 2095, 2075, 2112, 1338, 1351, 1336, 1349, 1337]. **Secret-Key** [2112]. **Secrets** [2042, 267]. **Secure** [2096, 755, 2041, 125, 126, 1349, 114, 2066, 113, 111, 1334]. **Security** [112, 2084, 129, 427, 2124, 2120, 2566, 2105, 2115, 1843, 2119, 2118, 2083, 2122, 1361]. **See** [1494]. **seeking** [1772]. **Seen** [760]. **Segment** [971, 993]. **Segmentation** [1457, 549, 577, 1413, 550, 545, 530, 1467, 1463, 568, 578, 2599]. **Segmented** [2220]. **sehbehinderte** [1910, 1912]. **Selected** [2022]. **Selecting** [870, 1778, 221]. **Selection** [2570, 987, 2228, 1847, 1701, 561, 1068]. **Selective** [2506, 452]. **Selectivity** [1819]. **Self** [2537, 1676, 813, 2369, 844, 855, 549, 314, 2587, 523, 2371, 498, 511, 551, 1025, 853, 480, 496, 457, 397, 545, 526, 2218, 481, 534, 499, 1195, 495, 1663, 243, 916]. **Self-Adaptive** [2369]. **Self-Adjusting** [2587]. **Self-Interpreter** [813]. **Self-Learning** [523]. **Self-Organising** [481, 495]. **Self-organization** [2218]. **Self-Organized** [498]. **Self-Organizing** [844, 549, 2371, 511, 551, 480, 496, 397, 545, 526, 534, 499]. **Self-Reducibility** [1025]. **Self-Stabilizing** [2537, 314, 243]. **Self-Test** [853]. **Self-Timed** [855]. **Self-Verifying** [1195]. **SelfLog** [1225]. **Semantic** [369, 371, 1174, 1627, 158, 2384, 2514, 1892, 1868, 799, 617, 2253, 661, 1956, 302, 408, 1498, 602, 1959, 1550, 2482]. **Semantically** [662, 600]. **Semantics** [21, 1740, 793, 2234, 32, 162, 1633, 382, 154, 2518, 817, 1738, 820, 823, 2535, 184, 1960, 2382, 2261, 17, 1957, 433, 1282, 1273, 405, 406, 1718, 1952, 1950, 2417, 1101, 299, 2275, 2358, 1262, 1266, 178, 200, 1231, 11, 12, 1241,

1673, 277, 1097, 241, 1235, 726, 1058, 1081]. **Semaphore** [988]. **Semi** [2547, 1002, 770]. **Semi-Commutations** [1002, 770]. **Semi-Online** [2547]. **Semigroup** [333]. **Semigroups** [39]. **Sense** [285]. **Sensor** [411]. **Sensori** [2361]. **Sensory** [561]. **Sentences** [1181]. **Separating** [961, 1015, 1433, 2565, 203, 2582]. **Separation** [951, 492, 220]. **Separator** [956]. **Separators** [1696]. **Sequence** [1810, 2546, 1022, 854, 2054, 1428, 1709, 1349, 97]. **Sequences** [2429, 589, 1429, 1278, 1027, 1219, 1362, 1357, 1360]. **Sequent** [1603, 2011]. **Sequential** [1870, 2178, 329, 1631, 96, 274, 1235]. **Sequentialization** [691]. **Serial** [462, 2080]. **Series** [1782, 960, 771, 1787, 455, 2009, 530, 532, 2461]. **Series-Parallel** [960]. **Server** [1840, 2054, 1118, 1119, 1822, 1794, 1349, 99, 1842]. **Server-Aided** [2054, 1349, 99]. **Servers** [1847, 1803, 1117]. **Service** [1151, 1837, 1801]. **Services** [1893, 2037, 1841]. **Servoing** [937]. **Session** [1143, 1147, 1150, 1154, 1158, 1110, 1115, 1120, 1125, 1130, 1134, 1139]. **Set** [953, 1740, 958, 1162, 618, 1163, 2551, 739, 977, 979, 1815, 1589, 658, 582, 2209, 56, 1399, 249, 275, 224, 1399]. **Set-Of-Support** [56]. **Set-Oriented** [618]. **Set-valued** [1815]. **Set/Hyperset** [1589]. **Sets** [912, 2597, 2503, 159, 1215, 37, 2353, 989, 2268, 2274, 1056, 219]. **Setting** [141, 2411]. **Several** [2038]. **SGML** [1680]. **Shading** [2216, 1432]. **Shadowing** [1443]. **Shafer** [1533, 2281]. **Shafer-Logan** [1533]. **Shamir** [134, 2027]. **Shamir-like** [134]. **Shannon** [283]. **Shape** [1407, 2216, 566, 1432, 2219, 568, 1399, 1405, 1753]. **Shapes** [939, 1411, 1296]. **Share** [1892]. **Share-Kit** [1892]. **Shareable** [874]. **Shared** [1507, 348, 1217, 1856, 1863, 1861, 2294, 990, 1724, 1935, 2583, 2299, 1657, 1258, 1362]. **Shared-Nothing** [1507]. **ShareME** [1878]. **Sharing** [1501, 2076, 86, 2074, 1540, 2103, 2104, 1818, 2028, 2378, 2075, 1338, 267, 1640, 1336, 1337]. **Sharply** [1186]. **Shells** [1611]. **shift** [1359, 97]. **Shooting** [833]. **Shop** [1552]. **Short** [1143, 1147, 1150, 1154, 1158, 1414, 603]. **Short-and** [1414]. **shortcutting** [75]. **Shorter** [278]. **Shortest** [1675, 930, 2548, 2576, 980, 992, 1935, 2552, 2549]. **Shortest-Path** [992]. **Should** [635, 878]. **Shuffle** [1031]. **Sibling** [2026]. **Side** [2427, 2294, 2287]. **Side-Effect** [2427]. **Sided** [698, 2198]. **Sieve** [2086]. **Signal** [1391, 527, 557, 1986, 1635]. **Signal-to-Noise** [1391]. **Signature** [1815, 1581, 2067, 2066, 2058, 2069, 1813, 1342, 1350]. **Signatures** [2063, 2079, 2065, 118, 2113, 2064, 119, 120]. **Signed** [2088, 624, 997]. **Significance** [1709]. **Signs** [2352]. **silence** [84]. **silent** [1235]. **SIMD** [2435, 2297]. **Similarity** [1810, 393, 303, 440, 1420]. **Simple** [950, 1487, 951, 952, 20, 2548, 482, 2576, 748, 2556, 638, 1445, 2563, 1849, 2539, 1710, 1669, 58, 228]. **Simpler** [1194]. **Simplification** [1172]. **Simplified** [1017, 489, 1412, 108]. **Simplify** [2489]. **Simplifying** [24]. **Simulate** [443]. **simulated** [1768]. **Simulating** [348, 1488, 863]. **Simulation** [1780, 1987, 508, 1676, 482, 506, 317, 507, 1786, 1788, 1791, 1931, 525, 1874, 747, 2455, 512, 888]. **Simulations** [1003, 520]. **Simultaneous** [2060, 750]. **Simultaneously** [2567]. **Single** [2499, 1677, 2033, 2590, 79, 1490, 110, 109, 252]. **Single-Chip** [1490]. **Single-Layer** [2590]. **Single-Source** [1677]. **Singular** [2440]. **Siphons** [318]. **Sipser** [255]. **Sisyphus** [1614]. **Situatedness** [1607]. **situating** [711]. **Situational** [2348]. **Situations** [1881]. **Size** [452, 121, 986, 595]. **Skeletal** [2402]. **Skeleton** [1406]. **Sketching** [1576, 1889]. **Skew** [1124]. **SKIL** [704]. **Skylab** [1481]. **Slash** [829]. **SLD** [1723]. **SLD-Derivations** [1723]. **SLDNF**

[689]. **SLDNF-Resolution** [689]. **Slicing** [2324, 2447, 2325, 1869]. **SLWV** [152]. **Small** [961, 494, 100, 455, 1393]. **Smallest** [975]. **Smart** [511]. **SMIsC** [2368]. **Smooth** [2047, 1966, 1468, 942, 234]. **Smoothing** [1427, 587]. **snack** [1097]. **SNAKE** [944]. **Snakes** [944]. **snapshot** [1654]. **snapshots** [1662, 1653]. **Soar** [1750]. **Social** [1280]. **soft** [1069, 15]. **Software** [1324, 1887, 858, 884, 442, 885, 1314, 563, 866, 1302, 1892, 1313, 1309, 861, 1326, 1323, 2129, 2332, 1905, 886, 875, 1325, 2146, 876, 877, 868, 2331, 1315, 2148, 2359, 894, 619, 862, 895, 1554, 870, 878, 2529, 889, 1303, 2127, 445, 1895, 1316, 2526, 900, 863, 873, 1799, 1903, 440, 2457, 879, 883, 891, 888]. **Software-Evaluation** [1895]. **Solar** [1481]. **Solution** [1010, 485, 784, 1873, 125, 455, 1434, 345, 333, 1602, 213]. **Solutions** [811, 884, 938, 288]. **Solvability** [2525]. **Solve** [48]. **Solver** [1732]. **Solving** [1608, 340, 1417, 655, 1202, 2562, 1733, 249, 1614, 915, 2269, 1924, 296, 2519, 828, 1623, 2170]. **Some** [485, 589, 2453, 1163, 1836, 972, 1076, 2103, 2208, 1991, 2523, 2504, 2550, 1047, 1082, 2532, 1723, 1959, 837, 2173, 1962, 265, 248, 938]. **Sometimes** [1194]. **sonar** [1755]. **sonar-based** [1755]. **Sort** [2538]. **Sorted** [674, 157, 301, 1585, 699, 281, 46]. **sortedness** [1069]. **Sorting** [2540, 1689, 1024, 366, 1697, 1973, 1871, 1701, 1668, 221]. **sorts** [3]. **Source** [1677]. **Sourced** [1123]. **Sources** [2010]. **SP** [2081]. **Space** [1487, 1721, 508, 564, 2564, 678, 2361, 1280, 1285, 1278, 1214, 1408, 1402, 1287, 941, 530, 1282, 1286, 1877, 391, 1830, 330, 1269, 1279, 750, 495, 1537, 201, 203, 1099, 202]. **Space-Time** [391]. **Spaces** [2103, 2200, 2187, 1998, 1749]. **SPADE** [2154]. **Span** [2104]. **Spanners** [2543]. **Spanning** [2537]. **Sparcle** [2304]. **Sparse** [765, 1580, 1056]. **Sparsely** [473]. **Sparseness** [2543]. **Spatial** [2430, 2223, 390, 1292, 2462, 1285, 1270, 1296, 1524, 1525, 1271, 1893, 1282, 1297, 574, 572, 1268, 1779, 1294, 1272, 1275]. **Spatio** [1277, 2334]. **Spatio-Temporal** [1277, 2334]. **Spatiotemporal** [1424]. **Speaker** [534]. **Special** [1911, 127, 2365, 1903, 1442, 66]. **Specialists** [2397]. **Specialization** [2393]. **specializing** [1764]. **Specific** [1730, 883, 120]. **Specification** [1985, 1887, 1584, 924, 2452, 1301, 1784, 376, 1205, 2345, 2155, 1970, 1604, 1972, 1206, 1319, 706, 305, 1320, 1, 2, 2407, 11, 12, 2410]. **Specifications** [1307, 680, 441, 1305, 144, 2332, 1966, 1979, 693, 1197, 13, 740, 425, 1952, 31, 2315, 8, 9, 10, 1247, 3]. **specify** [7]. **Specifying** [1965, 2481, 1713, 14]. **Specimen** [2374]. **Speckle** [1385]. **Speckles** [1465]. **SPECT** [585, 588]. **spectrum** [1235, 1604]. **Specular** [1433]. **Speech** [2221, 2214, 2215, 2041]. **Speed** [1148, 2101, 107]. **Speeding** [2053, 2088]. **Speedup** [1066]. **Spirality** [960]. **Spirit** [1752]. **Spline** [587]. **Splines** [944, 944]. **Split** [1491]. **Split-Merge** [1491]. **Splitting** [464]. **Splittings** [219]. **SPMD** [2428]. **Spoken** [1907]. **Sponsor** [2287]. **Spontaneous** [2221]. **Sprague** [66]. **Sprague-Grundy** [66]. **SQL** [2462, 1521]. **SQL-like** [2462]. **Squarers** [847]. **Squares** [2162, 1404]. **SRAM** [838]. **SRAM-Based** [838]. **ST** [318, 1113]. **ST-Components.** [318]. **ST-II** [1113]. **stabilization** [1663]. **Stabilizing** [2537, 314, 243]. **Stable** [313, 1747]. **Stack** [1227, 1214]. **STACS'93** [201]. **Staffing** [876]. **Stage** [1924, 1418]. **stairway** [15]. **Stallings** [773]. **Stamp** [1831]. **Stamps** [2536]. **Standard** [1840, 2069, 347, 2058]. **Standardization** [2116]. **standards** [1361]. **Star** [1035]. **Star-Free** [1035]. **Starting** [2378]. **State** [461, 161, 313, 772, 1018, 2061, 1211, 530, 667, 330, 1063, 1359, 1080]. **Statecharts** [1320]. **Stategies** [600]. **Statements** [2229, 2527]. **States** [2225, 2203, 2267].

Static [51, 970, 685, 1940, 1651, 1636]. **Statically** [2142]. **Statically-Compiled** [2142]. **Statistical** [1487, 2530, 1491, 413, 561, 394, 1386, 1709, 592]. **Statistics** [1384]. **Status** [1844]. **Steiner** [958, 2597, 2598, 69, 1001]. **Step** [611]. **Steps** [1608, 828]. **Stereo** [1379, 1445, 1447, 1448, 1441, 1435]. **Stereograms** [1494]. **Stereolithography** [2521]. **Stereoscopic** [1440, 1428]. **Still** [861]. **Stimuli** [451]. **Stimulus** [452]. **Sting** [2306]. **Stochastic** [482, 1784, 323, 483, 2158, 326, 990, 2176, 594, 568]. **Stochastic-Rule** [2176]. **stochasticity** [205]. **Stock** [1418, 559, 2307, 1756]. **Stock-Cutting** [1418]. **Stop** [2065, 118, 2064, 119, 1658]. **Storage** [509, 1807, 1118, 1579, 1806, 670, 1382, 1116]. **Storage-Requirements** [1382]. **Stored** [1127]. **Stores** [1057, 1520]. **Straight** [1681]. **Strain** [1925]. **Strategic** [655, 2401]. **Strategies** [137, 348, 1955, 1277, 969, 1739, 1872, 2005, 2206, 1222, 1168, 2004, 904, 481, 1746, 1774, 2412]. **Strategy** [55, 1502, 575, 53, 1209, 1424, 56]. **Stratification** [1137]. **Stratified** [814]. **stream** [1358]. **Strength** [2233]. **Stress** [1925]. **Stretch** [1164]. **strict** [1343]. **Strictness** [1645, 1220, 1954, 1644]. **String** [340, 1679, 1417, 98, 663]. **Strings** [996]. **Stripe** [1439]. **Strong** [2024, 172, 1672, 1345, 183]. **Strongly** [766]. **Structural** [583, 2010, 415, 1038, 1470, 71]. **Structure** [2213, 1477, 1179, 2208, 976, 127, 1278, 1434, 1816, 2262, 2176, 1007, 1380, 1715, 569, 1297, 1543, 1998, 1412, 1707, 2539, 1537, 219, 81, 1249]. **Structured** [1266, 426, 931, 160, 2441, 1897, 1879, 1439, 1909, 329, 1319, 241, 1320, 1262]. **Structures** [783, 1547, 2389, 2006, 2554, 566, 2398, 570, 821, 643, 1227, 2296, 2533, 2149, 1597, 1821, 1832, 2377, 331, 1189, 2557, 2356, 2428, 2421, 1962, 377, 2396, 1048, 1051, 731, 81, 1261, 721, 2415, 728]. **Structuring** [810, 2344, 2133]. **Studenten** [1912]. **Studies** [143, 1886, 1119, 1398]. **Studio** [1148]. **Study** [2344, 2370, 360, 1837, 2360, 1400, 2358, 1563, 499, 1512, 2406, 1058]. **Studying** [186]. **Sturmian** [1061]. **style** [81, 2012]. **Styles** [1914]. **Sub** [315, 1755, 1754]. **Sub-Classes** [315]. **sub-symbolic** [1755, 1754]. **Subband** [1391]. **Subclass** [2202]. **Subdeductions** [701]. **Subedge** [2576]. **Subgraph** [737]. **Subliminal** [1350]. **Sublists** [2563]. **sublogarithmic** [201, 240, 203, 202]. **Subnets** [313]. **Subpixel** [1386]. **Subprograms** [1226]. **Subsets** [344]. **Substances** [2380]. **substitution** [1075, 1090, 224, 1104]. **Substitutions** [19]. **Substransactions** [1510]. **Substrate** [1596]. **Substrings** [996]. **Substructural** [679]. **substructure** [184]. **Subsumption** [2475]. **Subsystem** [1141, 1181]. **Subtheories** [149]. **Subtype** [910]. **Subtyping** [1583]. **Success** [284]. **Successful** [2587]. **Suffice** [2536]. **Sufficiency** [170]. **Sufficient** [25, 1434, 2093, 2032, 1655]. **Suffix** [98]. **suitable** [1371, 134]. **Sum** [1681, 767]. **Summary** [865, 872, 1560, 2427, 882, 897, 902, 595, 890]. **summation** [1348]. **Sums** [786, 1602]. **Super** [2492, 110, 2032, 109]. **Super-Key** [2492]. **Supercomputer** [1490]. **Superimposing** [1813]. **Superimposing-Coded** [1813]. **Supernormal** [142]. **Superposition** [1172]. **Superstrings** [980]. **Supervised** [1394]. **Support** [1994, 1129, 1153, 1142, 2243, 1145, 1852, 1323, 1499, 1581, 1126, 1598, 525, 1617, 2127, 871, 292, 1549, 356, 1312, 56, 881]. **Supported** [509, 2457]. **Supporting** [1845, 1890, 921, 765, 2139, 2148, 1824, 1922, 2428, 446]. **Supports** [2258]. **Suppress** [1465]. **Surface** [1431, 994, 1469, 1710, 833]. **Surfaces** [1599, 1445, 1383, 942, 1435, 1437]. **Surjective** [487]. **Surjectivity** [1017]. **Survey** [2573, 2311, 1301, 1948, 1824, 1008,

1798, 2342, 4]. **Sweep** [977, 2596]. **Sweeping** [1116]. **Switch** [687]. **Switch-Level** [687]. **Switched** [1111, 1801]. **Switching** [2036, 255]. **Switching-Closure-Test** [2036]. **Sybase** [1822]. **Syllabic** [472]. **Symbiosis** [285]. **Symbolic** [1046, 2007, 648, 424, 1996, 1584, 1592, 2001, 1202, 1422, 570, 1587, 2449, 2309, 2284, 1423, 2308, 1296, 2285, 2258, 1999, 292, 2303, 1583, 1755, 1754]. **Symbols** [1035]. **symmetric** [252]. **Symmetrical** [538, 631]. **Symmetries** [683]. **Symposium** [1178]. **Symptom** [2313]. **synchronised** [1086]. **Synchronization** [1229, 2470, 1123, 1121, 2287, 1146, 1122, 1655, 1671]. **Synchronized** [1142, 1935]. **Synchronous** [839, 1007, 1672, 84]. **Syndrome** [311]. **Syntactic** [1183, 1034, 1048, 257]. **Syntax** [2506, 2400, 12]. **Synthesis** [140, 2182, 1974, 1641, 144, 2432, 847, 477, 2348, 519, 845, 400, 150, 1040, 214]. **Synthesis-Oriented** [2348]. **System** [1507, 2469, 1992, 703, 2336, 1128, 312, 1501, 1575, 618, 2385, 1574, 2050, 2302, 1153, 653, 2438, 2371, 2241, 562, 443, 1503, 2374, 616, 1552, 1555, 2398, 1313, 838, 817, 704, 641, 2452, 1322, 1886, 661, 1863, 1553, 1784, 1587, 1876, 679, 376, 1855, 1475, 2286, 2059, 1818, 306, 1573, 606, 1124, 2594, 2329, 1806, 1554, 1505, 1601, 1581, 1126, 1544, 804, 1922, 1808, 1904, 585, 1155, 1479, 1303, 2306, 296, 1206, 1572, 1520, 2484, 400, 837, 1588, 1543, 1823, 1137, 654, 700, 708, 1522, 1530, 2458, 1157, 625, 1800, 1480, 1550, 2151, 1563, 1531, 2446, 706]. **System** [940, 2226, 172, 1368, 268, 731, 1774, 269, 1647, 128, 193, 1369]. **System-Adaption** [1904]. **Systematic** [900, 650, 1610, 6]. **Systems** [1845, 411, 2512, 2337, 1985, 1568, 1992, 138, 2479, 2143, 1317, 284, 1987, 20, 2134, 787, 2507, 640, 32, 860, 1216, 1986, 2509, 2453, 1833, 2213, 2237, 1993, 55, 393, 1607, 1539, 426, 2470, 1123, 1495, 2379, 1906, 404, 1121, 1978, 2375, 1506, 427, 2361, 2243, 327, 694, 1867, 54, 1321, 649, 1580, 2503, 428, 1932, 1559, 1995, 2046, 1532, 1713, 1872, 2208, 50, 2471, 1809, 1301, 2254, 1022, 412, 25, 1991, 1905, 1979, 2400, 679, 1982, 47, 779, 53, 1984, 1864, 609, 2478, 903, 1980, 2347, 1511, 285, 630, 26, 636, 1907, 1860, 310, 1977, 2494]. **Systems** [22, 384, 558, 1504, 1972, 1990, 1983, 2270, 24, 408, 2156, 1796, 1286, 1534, 447, 623, 1146, 2513, 612, 629, 1797, 1718, 2360, 407, 432, 2312, 2466, 2202, 329, 402, 1997, 2457, 701, 481, 1312, 2300, 2357, 607, 439, 777, 40, 652, 2106, 2387, 1195, 1794, 42, 1804, 2133, 1805, 1610, 1512, 1583, 1762, 1753, 1043, 175, 106, 1266, 1672, 1245, 236, 1663, 1632, 249, 1244, 1082, 1654, 1087, 232, 190, 1090, 224, 191, 244, 1254, 1235, 1763, 173, 1297]. **Systolic** [854, 132, 521, 2159, 1373]. **Systolic-Arrays** [132]. **Szpilrajn** [2533].

Table [497, 841]. **Tableaux** [1174, 602, 1109]. **Tables** [1826, 736, 1824]. **Tactus** [1142]. **Talk** [1251, 1266, 1230, 1241, 1257, 17, 49, 30, 35, 1246]. **Tamil** [1286]. **Taming** [1853]. **Tangible** [924]. **TAO** [2128]. **tape** [1346]. **Target** [1123]. **Targets** [1484]. **Task** [2221, 2289, 2363, 1327, 2594, 1569, 883, 1623, 1319]. **Task-Oriented** [2221, 1569]. **Task-Specific** [883]. **Tasks** [1613, 957, 212]. **tastbaren** [1910]. **taste** [1053]. **Tatzelwurm** [270]. **Taxonomic** [797, 798, 796, 2249]. **taxonomies** [729]. **taxonomy** [1085]. **Teams** [2189]. **Tech** [1474]. **Technical** [1459, 2109]. **Technique** [1407, 1427, 1682, 318, 2035, 606, 2360, 1412, 1394, 1233]. **Techniques** [34, 2426, 168, 2353, 636, 634, 2444, 2116, 697, 1797, 863, 592, 1629]. **Technologies** [836]. **Technology** [2154, 1460, 2214, 673, 1313, 892, 1816, 2146, 899, 2529, 1923, 1924, 900, 2357, 709, 711, 1361]. **Telecommunication** [1313, 2037]. **Teleconferencing** [125]. **Telepresence** [2232]. **Temporal**

[1438, 1540, 780, 1136, 1427, 1440, 1277, 522, 441, 649, 390, 435, 2460, 2245, 1385, 1979, 1278, 2334, 1508, 781, 2381, 2340, 1192, 1967, 1715, 391, 918, 650, 1248, 1759, 1775, 727, 11, 719, 244, 1096, 1246].
Temporal-fuzziness [1508]. **temporally** [1776]. **Temporary** [957]. **Tense** [1719]. **Tensor** [2432]. **Tensors** [476]. **Term** [2512, 20, 678, 1593, 25, 47, 24, 35, 2513, 2172, 699, 40, 46, 27, 28, 176, 7, 714, 173].
Term-Rewriting [35]. **Termal** [384]. **Terminal** [786]. **Terminating** [45]. **Termination** [2512, 787, 29, 338, 50, 25, 26, 28].
Terminological [380, 290, 614, 1719, 309, 1759].
Terminology [368]. **Terms** [157, 494, 17, 2201, 670, 829, 6, 83, 682].
Terrain [933, 1283]. **Terrains** [932]. **Tes** [1793]. **Test** [287, 850, 37, 2445, 1870, 853, 2359, 1466, 2036, 58]. **Test-Bed** [1466].
Test-Sets [37]. **Testability** [762]. **Testable** [1040, 259]. **Testbed** [1311]. **Testing** [2318, 1677, 1692, 2359, 1310, 1958, 777, 269, 1377, 1252, 1102]. **TestIt** [1894]. **Tests** [1487, 494, 1491, 1079, 1639]. **Text** [1457, 1908, 1627, 298, 1814, 1715, 625, 1542, 1743].
Text-Based [625]. **Text-to-Phoneme** [1743]. **Textbook** [395]. **Texts** [2366, 1771].
Textural [1412]. **Texture** [1415, 1413, 550].
Textured [1414]. **Textures** [535]. **th** [1415].
Thalamic [456]. **Their** [618, 308, 972, 744, 634, 612, 837, 656, 2026, 1057, 106, 2, 942, 1031, 1350, 883, 1081].
them [2512, 896]. **Theorem** [637, 2515, 339, 1591, 600, 1729, 642, 43, 33, 2533, 690, 760, 152, 35, 773, 282, 218, 1262, 1259, 730, 232, 1095, 182]. **Theorems** [1182, 144, 38]. **Theoretic** [1188, 2269, 2081, 262, 130]. **Theoretical** [143, 1284]. **Theories** [343, 280, 1717, 2249, 638, 345, 1290, 2263, 826, 250]. **Theory** [1890, 2007, 2575, 1163, 2245, 1947, 1182, 641, 686, 1825, 824, 2334, 744, 165, 2210, 1032, 164, 2179, 2381, 2529, 1169, 1191, 1170, 2274, 829, 362, 2278, 2209, 594, 2157, 2281, 1577, 881, 2404, 66, 1751, 9, 185, 1044, 1098, 1239, 1074, 688]. **Theory-Based** [1890].
Thinking [1922]. **Thrashing** [1820]. **Three** [601, 1071, 1687, 1949, 1444, 1285, 1690, 875, 361, 2153, 2356, 429, 582].
Three-Clustering [1690].
Three-Dimensional [1444, 2356, 582].
Three-Valued [601, 1949]. **Threshold** [2102, 1332, 87, 2523, 2566, 2029, 253, 2197, 259]. **Thue** [2202]. **thunkification** [1646].
Thwart [2109]. **Tied** [663]. **Tight** [84].
tilings [1670]. **Time** [2537, 411, 735, 139, 1666, 112, 508, 1473, 2564, 1427, 1978, 287, 2524, 1145, 2556, 931, 2545, 1301, 2014, 822, 489, 1285, 1024, 1472, 1785, 1905, 1787, 1807, 2161, 1151, 1203, 1408, 987, 614, 849, 477, 1621, 1847, 2536, 1114, 1972, 530, 1796, 1303, 447, 2517, 2578, 391, 532, 2231, 472, 2461, 1112, 1522, 831, 2300, 1319, 1708, 288, 1279, 1144, 1320, 1248, 57, 1258, 67, 1663, 1654, 189, 1673, 1070, 1093, 213, 1778, 1099, 1101, 1102, 1235, 258, 1256].
Time-Bounded [2524]. **Time-Critical** [1522]. **Time-Dependent** [1807].
Time-Optimal [1408]. **Time-Randomness** [987]. **Time-Series** [2461]. **Time-Space** [2564, 1099]. **Time-Stamps** [2536].
Time-to-Crash [2231]. **Time-Varying** [931, 1621, 1778]. **Timed** [855, 316, 324, 919, 777, 1320, 1237]. **Times** [2593, 1062]. **Timing** [2528, 1931, 1666].
Tired [1684]. **Together** [1607]. **Token** [766].
Tokens [2579]. **Tolerance** [1856, 59, 749].
tolerant [1659]. **Tolerating** [1664, 947].
Tomograms [1465]. **Tomographic** [587].
Tomography [580, 584, 579]. **TOOA** [918].
Tool [508, 2237, 1473, 1729, 649, 320, 1599, 2467, 507, 2293, 1518, 2500, 1838, 2148, 1837, 1624, 1894, 1170, 1612, 1878, 268].
Tool-Box [1170]. **Toolkit** [1142, 2396, 1161]. **Toolkit-Level** [1142].
Toolkits [1160]. **Tools**

[2094, 117, 448, 1840, 877, 1548, 863, 402]. **Top** [1011, 2385, 2011, 1204, 1039, 1849, 1766]. **Top-Down** [1011, 1204, 1039, 1766]. **Topographic** [1380]. **Topological** [1024, 1998, 1276]. **Topologies** [1990]. **Topology** [64, 500]. **toposes** [183]. **Tori** [1697]. **torus** [1670]. **Toupie** [681]. **Touring** [1129]. **Tournaments** [959]. **Tours** [742]. **Trace** [1788, 2330, 2322, 42, 1066, 248, 244]. **Trace-Based** [2330]. **Trace-Driven** [1788]. **Traces** [761, 2126, 1045, 260]. **Track** [2536]. **Tracking** [2230, 1472, 1425, 2497, 943]. **Tractable** [1318]. **Trade** [750, 1099]. **Trade-offs** [750, 1099]. **Tradeoff** [987]. **Tradeoffs** [2564]. **Traditional** [1827]. **Traffic** [543]. **Trained** [487]. **Training** [491, 1900, 484, 1925]. **Transaction** [1502, 1323, 1510, 1805]. **Transactions** [1556]. **Transducers** [1011, 1019]. **Transfer** [892, 1900, 2042, 899, 900, 111, 1350]. **Transferred** [121]. **Transform** [1457, 563, 2041, 1429, 1403, 1389, 1446, 1933, 1452]. **Transformation** [2429, 313, 1406, 1444, 376, 1468, 2440, 342, 2406, 2412]. **Transformational** [423]. **Transformations** [2430, 419, 1254, 1039, 1057]. **transformers** [1063, 273]. **Transforming** [2512]. **transient** [1664]. **Transition** [2456, 2017, 817, 779, 325, 1843, 1043, 232, 1254]. **Transitive** [1704]. **Transitivity** [1023]. **Translate** [2389]. **Translates** [2398]. **Translating** [2252, 185, 1433]. **Translation** [2013, 695]. **Translational** [1429]. **Translations** [1012]. **Translator** [1743]. **Transparency** [1476]. **Transparent** [251, 922]. **Transport** [1129, 2123]. **Transversals** [2584]. **Transverse** [2141]. **Trapdoor** [2094, 104]. **Trapdoors** [2068]. **Traps** [318]. **Travel** [794]. **Traveler** [2592]. **Trbovich** [1364]. **Treat** [2547]. **Treating** [2473]. **treatment** [108]. **Tree** [2537, 1011, 371, 139, 2597, 1019, 2556, 2598, 468, 570, 763, 981, 2593, 1699, 23, 1035, 1037, 1039, 1470, 1001, 762, 1054, 1059, 1248, 70, 249, 1637, 275, 62, 250]. **tree-like** [62]. **Trees** [952, 955, 959, 741, 1716, 739, 635, 1029, 984, 1698, 843, 325, 98, 2519, 1000, 1040, 1711, 69]. **Treewidth** [743, 1696, 210, 2553]. **Trekking** [1684]. **Trellis** [909]. **Trends** [2108, 2212]. **Triangulated** [933]. **Triangulation** [1271, 229, 65]. **Triangulations** [963, 748]. **Triconnected** [2574]. **Trie** [1814]. **Triple** [958]. **Triple-Free** [958]. **Triply** [962]. **Triply-Logarithmic** [962]. **TROLL** [1576, 1563]. **TRS** [45]. **True** [776, 1189, 7]. **Truncation** [1390]. **trusted** [1342]. **Truth** [1734, 1714, 711]. **TS** [2296]. **TS/** [2296]. **TSP** [969]. **TUPLE** [2297]. **Tupling** [1638]. **Turbofan** [553]. **Turing** [807, 1033, 750]. **Turnaround** [857]. **Tutorial** [136, 1792, 1796]. **Tutoring** [2156, 296, 1774]. **TV** [1148]. **Tweety** [146]. **Two** [601, 336, 1164, 2045, 1900, 1969, 976, 759, 2054, 1933, 344, 1286, 2578, 582, 1623, 1253, 1834, 68, 235, 69, 1376, 258, 202]. **Two-Dimensional** [976, 1933, 582, 68]. **Two-Face** [2578]. **Two-Level** [1623]. **Two-Local** [2045]. **Two-Phase** [1969]. **Two-Way** [1164, 759, 235, 202]. **typability** [180]. **Type** [916, 1547, 20, 51, 841, 686, 2152, 1601, 2030, 1170, 1588, 829, 700, 199, 2008, 1577, 27, 2505, 175, 1060, 185, 190, 1044, 1098, 173, 2191]. **Type-Coercion** [2008]. **Typed** [2495, 912, 2508, 786, 2183, 689, 166, 1193, 208]. **Types** [2323, 51, 911, 145, 1264, 1284, 826, 17, 708, 181, 188, 1650, 271, 246, 194, 14, 197, 1649]. **Typing** [2507, 1848, 1957, 2151, 2413, 1265, 208].

U.S. [2284]. **U.S./Japan** [2284]. **UIMS** [1897]. **Ultra** [1454, 887]. **Ultra-High** [887]. **Ultrasonic** [1465]. **Ultrasonography** [597]. **Ultrasound** [1385]. **Ultrix** [1145]. **Ultrix-4.2** [1145]. **Unambiguity** [1680]. **Unary** [1035]. **unbalanced** [1654].

Uncertain [410, 1621, 941, 2387]. **Uncertainties** [656]. **Uncertainty** [2542, 390, 2246, 628, 2386, 2272, 406, 407, 1666, 2244]. **Uncovering** [1179]. **Undecidability** [1017, 1169, 207, 180]. **Undecidable** [758, 206, 199]. **undeniable** [1342]. **Understanding** [1908, 424, 946, 1868, 641, 2327, 2358]. **Understanding/Debugging** [2327]. **Undirected** [982, 76]. **Undo** [1891]. **unfolding** [1249]. **Unforgeable** [2063]. **Unification** [343, 2137, 784, 54, 2514, 338, 1019, 1184, 1587, 2291, 1960, 1037, 698, 342, 699, 2186, 660, 1042, 335, 784]. **Unified** [589, 1584, 2006, 613, 1728, 1094]. **Unified-Algebra-Based** [1584]. **Uniform** [112, 815, 1739, 1865, 1387, 1866, 2193, 1402, 1597, 1088]. **Unifying** [1500, 2248, 381, 2204]. **Union** [986]. **Unions** [139]. **Unique** [1965, 1434]. **Uniqueness** [2507]. **Unit** [698, 1062, 1373]. **unit-times** [1062]. **Uniting** [2125]. **Unity** [2387, 1253]. **Universal** [807, 1019, 789, 1088]. **Universality** [1033]. **Universally** [2076, 301]. **Universes** [826]. **UNIX** [312, 1058, 2124]. **Unprovable** [1182]. **Unreliable** [404]. **Unsatisfiable** [1181]. **Unskolemization** [622]. **Unstructured** [936]. **Unsuccessful** [2587]. **Unsupervised** [532]. **Untrained** [1902]. **Update** [2556, 795]. **Updates** [156, 415]. **Updating** [2492, 2491, 620]. **upon** [1388, 1895]. **Upper** [962, 1817, 627, 197]. **Upward** [1677, 220]. **URANO** [507]. **Urban** [543]. **Usability** [2312]. **Usage** [306, 1649]. **Use** [1731, 2237, 566, 2214, 2370, 2191, 536, 875, 988, 1504, 532, 650, 572, 2364, 901, 729, 6, 226, 3]. **Used** [643, 719]. **useful** [1636]. **User** [1891, 1911, 2001, 1886, 1880, 1876, 1160, 1570, 1571, 1899, 307, 310, 2348, 1893, 1808, 444, 1885, 1898, 1918, 2352, 2328, 1882, 1375]. **User-Adapted** [1882]. **User-Driven** [444]. **Users** [1532, 1290, 1623]. **Using** [1457, 935, 1487, 1397, 1173, 2389, 2499, 2238, 855, 1136, 1417, 622, 1291, 627, 2418, 515, 2585, 382, 2391, 2562, 673, 587, 144, 546, 617, 1969, 2041, 2129, 1784, 421, 577, 1429, 1840, 37, 486, 132, 1325, 1205, 395, 1940, 847, 2206, 2500, 1448, 2088, 2333, 1384, 1573, 1838, 2178, 1673, 1421, 856, 1790, 462, 1971, 480, 496, 1449, 149, 541, 1208, 550, 2377, 558, 444, 1282, 1924, 1206, 2401, 1494, 332, 1424, 1435, 2399, 670, 1800, 2227, 891, 573, 1471, 512, 578, 586, 1516, 592, 2501, 2315, 1537, 1399, 2154, 1338, 1662, 1072, 724]. **using** [239, 1631, 1079, 249, 1769, 1445, 1747, 2155, 942, 1441, 253, 1850, 1354, 84, 1375, 621, 48]. **Utilisation** [836]. **Utility** [883]. **Utilizing** [2450]. **Utterance** [2364].

V [1158]. **Vacillatory** [2169]. **Valiant** [2541]. **Validating** [423, 896]. **Validation** [411, 1627, 421, 422]. **Valuation** [2258]. **Value** [451, 2201, 1702, 1742, 1245, 196]. **value-passing** [1245]. **Valued** [703, 601, 1949, 603, 687, 624, 1815, 1747, 2197]. **Values** [1387, 829, 239]. **valves** [211]. **Vapnik** [2199]. **Variable** [1174, 1678, 462, 1104, 2583, 592, 1339]. **Variable-Length** [1678]. **Variables** [336, 1210, 1103]. **Variant** [1586, 1491]. **Variants** [371, 604]. **Variations** [2273]. **Various** [137, 2193, 381]. **Varying** [931, 1621, 1778]. **Vaughan** [1050]. **VC** [2203, 2197]. **VC-Dimension** [2197]. **VC-Dimensions** [2203]. **VDM** [2155]. **Vector** [1397, 501, 352, 1022, 483, 1873, 1491, 1428, 503, 504, 567]. **Vectors** [526]. **Vehicle** [2593, 547, 1556]. **verbs** [718]. **verifiable** [1355]. **Verification** [1985, 442, 681, 838, 1301, 687, 636, 1604, 2526, 852, 2051, 1632, 1246]. **verifier** [270]. **Verifying** [1713, 1977, 1098, 1195, 242, 1064]. **Versatility** [1201, 690]. **Version** [1721, 2076, 673, 773]. **Versioning** [665, 2502]. **Versions**

[1496, 2137, 129, 1900, 1935]. **Versus** [752, 2510, 147, 537, 433, 1344, 192]. **Vertex** [1015, 1691, 1694]. **Vertex-Connectivity** [1694]. **Vertex-Disjoint** [1691]. **vertices** [63]. **Very** [100, 1824]. **Vessel** [1464, 570, 1470]. **VHDL** [847, 849]. **Via** [50, 335, 2234, 174, 2073, 584, 96, 688, 403, 1404, 349, 1623, 1710]. **Video** [1160, 1111, 1119, 1137, 1140]. **Vienna** [2431]. **View** [1210, 2448, 1306, 875, 419, 1446, 1449, 302, 2138, 2081, 1830]. **Viewed** [403]. **Viewer** [2227]. **Viewer-Centered** [2227]. **Viewing** [664, 285, 1122]. **Viewpoints** [1532, 889]. **Views** [2137, 2139, 1442, 1071]. **VIP** [1912]. **Virtual** [2232, 2415]. **Visibility** [1283]. **Visible** [2576]. **Vision** [2213, 1473, 1379, 1378, 938, 544, 2227, 1474, 940, 2226]. **Visual** [1625, 452, 508, 1438, 939, 937, 1488, 1425, 2228, 451, 1478, 1490, 1918, 2357]. **Visualisation** [2355, 1328, 422, 2356, 1572]. **Visualization** [1599, 2327, 1913, 574, 1936]. **Visualizing** [2293]. **Visually** [2365, 2205]. **VITAL** [1622]. **VLF** [1486]. **VLF/ELF** [1486]. **VLIW** [2419]. **VLIW/MIMD** [2419]. **VLSI** [2304, 995, 293, 2333, 1869]. **VLSI-Design** [293]. **Vocabularies** [2378]. **Voice** [2362]. **Volker** [1045]. **Voltage** [454]. **Voltage-Controlled** [454]. **Volume** [570, 1443, 559, 1467, 582, 1936, 1470]. **Volumes** [1871]. **Voronoi** [1685, 1280, 2520]. **Voting** [2040, 1351]. **Voxel** [594]. **vs** [2579, 79]. **vulnerability** [1357].

Wadler [1053]. **wait** [1655, 1652]. **wait-free** [1655, 1652]. **Walkthrough** [1573]. **Wallet** [2070]. **WAM** [1221, 1215, 291]. **WAM-Based** [1215]. **Wang** [1670]. **Ward** [1319]. **Ward/Mellor** [1319]. **warp** [1673]. **Warren** [2327]. **Watchman** [2548, 2549]. **Wave** [1486]. **Wavelet** [563, 586, 234]. **Waves** [1486]. **Way** [753, 2023, 1164, 861, 759, 122, 1036, 2024, 1365, 235, 1366, 1339, 202]. **Ways** [1687]. **Weak** [1022, 2263, 1672, 238]. **Weakened** [1185]. **weakest** [277]. **Weakly** [2576]. **Weakness** [1186]. **Weaknesses** [875, 2035]. **Weight** [991]. **Weighted** [1675, 2595, 1014, 587, 227, 2162, 991, 2539, 1072]. **Weighting** [2255]. **Weightless** [558]. **Weights** [500]. **Well** [50, 874, 1726, 2516, 1237]. **well-caused** [1237]. **Well-Defined** [874]. **Well-Founded** [1726, 2516]. **Well-Moded** [50]. **Weyl** [1596]. **Wheels** [1900]. **Where** [2393]. **Which** [120, 738]. **While** [1735, 2366]. **Wide** [1302]. **widening** [1650]. **Widenings** [1955]. **Width** [961]. **Will** [448]. **Window** [1921, 2088]. **Windows** [2396]. **Wire** [2589, 1346]. **wire-tape** [1346]. **Within** [2121, 186, 1442]. **Without** [1620, 1684, 1342, 1035]. **Wizard** [2360]. **Wolfe** [2445]. **Word** [336, 2363, 342, 534, 1091]. **Words** [1016, 223, 225, 261, 259]. **Work** [1890, 2585, 1823]. **Workbench** [1622, 2392]. **Working** [1896, 1892]. **Workshop** [2310, 2284]. **Workspace** [931]. **Workstation** [1141, 851, 1140]. **Workstations** [1873]. **World** [2377, 431, 1779]. **Worlds** [2252]. **Wormhole** [360, 2571]. **Worst** [2556, 213]. **Worst-Case** [2556]. **write** [238, 1656]. **Writing** [2567]. **WYSIWYG** [2349].

X [1463, 1481, 2396]. **X-Ray** [1463, 1481]. **X-Windows** [2396]. **XII.** [1298].

Yacobi [1356]. **Yes** [299]. **Yes/No** [299]. **Yields** [2544]. **YPREL** [537].

Zero [117, 115, 2047, 2078, 2046, 2079, 2077, 2048, 2080, 116]. **Zero-Knowledge** [115, 2047, 2078, 2046, 2079, 2077, 2048, 2080, 116]. **Zheng** [1376]. **Zheng-Matsumoto-Imai** [1376]. **ZKIP** [2044, 2049, 2043]. **ZM4** [1858].

References

Astesiano:1993:ASC

[1] E. Astesiano and G. Reggio. Algebraic specification of concurrency. *Lecture Notes in Computer Science*, 655:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ehrich:1993:OTS

[2] H.-D. Ehrich, M. Gogolla, and A. Sernadas. Objects and their specification. *Lecture Notes in Computer Science*, 655:40–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mosses:1993:USA

[3] P. D. Mosses. The use of sorts in algebraic specifications. *Lecture Notes in Computer Science*, 655:66–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Orejas:1993:IBE

[4] F. Orejas, M. Navarro, and A. Sanchez. Implementation and behavioural equivalence: a survey. *Lecture Notes in Computer Science*, 655:93–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Astesiano:1993:RBL

[5] E. Astesiano and M. Cerioli. Relationships between logical frameworks. *Lecture Notes in Computer Science*, 655: 126–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bernot:1993:LAS

[6] G. Bernot and P. Le Gall. Label algebras: a systematic use of terms. *Lecture Notes in Computer Science*, 655:144–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bettaz:1993:HSN

[7] M. Bettaz and M. Maouche. How to specify non determinism and true concurrency with algebraic term nets. *Lecture Notes in Computer Science*, 655: 164–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Breu:1993:BIA

[8] M. Breu. Bounded implementation of algebraic specifications. *Lecture Notes in Computer Science*, 655:181–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ehrig:1993:NCA

[9] H. Ehrig, M. Baldamus, and F. Orejas. New concepts of amalgamation and extension for a general theory of specifications. *Lecture Notes in Computer Science*, 655:199–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ehrig:1993:NCE

[10] H. Ehrig and F. Parisi-Presicce. Nonequivalence of categories for equational algebraic specifications. *Lecture Notes in Computer Science*, 655:222–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fiadeiro:1993:PST

[11] J. F. Fiadeiro, J. L. Costa, A. Sernadas, and T. S. E. Maibaum. Pro-

cess semantics of temporal logic specification. *Lecture Notes in Computer Science*, 655:236–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gabriel:1993:OBS

[12] P. Gabriel. The object-based specification language prod: concepts, syntax, and semantics. *Lecture Notes in Computer Science*, 655:254–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Knapik:1993:SOF

[13] T. Knapik. Specifications with observable formulae and observational satisfaction relation. *Lecture Notes in Computer Science*, 655:271–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reggio:1993:ELS

[14] G. Reggio. Event logic for specifying abstract dynamic data types. *Lecture Notes in Computer Science*, 655:292–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Salibra:1993:SSI

[15] A. Salibra and G. Scollo. A soft stairway to institutions. *Lecture Notes in Computer Science*, 655:310–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wagner:1993:GCO

[16] E. G. Wagner. Generic classes in an object-based language. *Lecture Notes in Computer Science*, 655:330–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meinke:1993:ITA

[17] Karl Meinke. Invited talk: Algebraic semantics of rewriting terms and types. *Lecture Notes in Computer Science*, 656:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kahrs:1993:CR

[18] Stefan Kahrs. Context rewriting. *Lecture Notes in Computer Science*, 656: 21–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rose:1993:ECS

[19] Kristoffer Hogsbro Rose. Explicit cyclic substitutions. *Lecture Notes in Computer Science*, 656:36–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Banach:1993:STI

[20] Richard Banach. Simple type inference for term graph rewriting systems. *Lecture Notes in Computer Science*, 656:51–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antimirov:1993:CSE

[21] Valentin M. Antimirov and Anatoly I. Degtyarev. Consistency and semantics of equational definitions over predefined algebras. *Lecture Notes in Computer Science*, 656:67–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Middeldorp:1993:CCC

[22] Aart Middeldorp. Completeness of combinations of conditional constructor systems. *Lecture Notes in Computer Science*, 656:82–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Plump:1993:CTR

[23] Detlef Plump. Collapsed tree rewriting: Completeness, confluence, and modularity. *Lecture Notes in Computer Science*, 656:97–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ohlebusch:1993:CSC

[24] Enno Ohlebusch. Combinations of simplifying conditional term rewriting systems. *Lecture Notes in Computer Science*, 656:113–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gramlich:1993:SCM

[25] Bernhard Gramlich. Sufficient conditions for modular termination of conditional term rewriting systems. *Lecture Notes in Computer Science*, 656: 128–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Loria-Saenz:1993:TCR

[26] Carlos Loria-Saenz and Joachim Steinbach. Termination of combined (rewrite and lambda-calculus) systems. *Lecture Notes in Computer Science*, 656:143–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zantema:1993:TRT

[27] Hans Zantema. Type removal in term rewriting. *Lecture Notes in Computer Science*, 656:148–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zantema:1993:TTR

[28] Hans Zantema. Termination of term rewriting by interpretation. *Lecture Notes in Computer Science*, 656:155–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dershowitz:1993:POT

[29] Nachum Dershowitz and Subrata Mitra. Path orderings for termination of associative-commutative rewriting. *Lecture Notes in Computer Science*, 656:168–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Padawitz:1993:ITG

[30] Peter Padawitz. Invited talk: Generic induction proofs. *Lecture Notes in Computer Science*, 656:175–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wirth:1993:CBA

[31] Claus-Peter Wirth and Bernhard Gramlich. A constructor-based approach for positive/negative-conditional equational specifications. *Lecture Notes in Computer Science*, 656:198–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Becker:1993:SPN

[32] Klaus Becker. Semantics for positive/negative conditional rewrite systems. *Lecture Notes in Computer Science*, 656:213–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ganzinger:1993:ITP

[33] Harald Ganzinger and Jurgen Stuber. Inductive theorem proving by consistency for first-order clauses. *Lecture Notes in Computer Science*, 656:226–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bronsard:1993:RTF

[34] Francois Bronsard and Uday S. Reddy. Reduction techniques for first-order reasoning. *Lecture Notes in Computer Science*, 656:242–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Plaisted:1993:ITC

[35] David Plaisted, Geoffrey Alexander, Chu Heng, and Lee Shie-Jue. Invited talk: Conditional term-rewriting and first-order theorem proving. *Lecture Notes in Computer Science*, 656:257–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kucherov:1993:DRR

[36] Gregory Kucherov and Mohamed Tajine. Decidability of regularity and related properties of ground normal form languages. *Lecture Notes in Computer Science*, 656:272–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hofbauer:1993:CLU

[37] Dieter Hofbauer and Maria Huber. Computing linearizations using test-sets. *Lecture Notes in Computer Science*, 656:287–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1993:PGI

[38] Hantao Zhang. Proving group isomorphism theorems. *Lecture Notes in Computer Science*, 656:302–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dershowitz:1993:SSX

[39] Nachum Dershowitz. Semigroups satisfying $x^{m+n} = x^n$. *Lecture Notes in Computer Science*, 656:307–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vorobyov:1993:COC

[40] Sergei Vorobyov. Could orders be captured by term rewriting systems? *Lecture Notes in Computer Science*, 656:315–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stokkermans:1993:CFC

[41] Karel Stokkermans. A categorical formulation for critical-pair/completion procedures. *Lecture Notes in Computer Science*, 656:328–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yabo:1993:TRS

[42] Wang Yabo and David Lorge Parnas. Trace rewriting systems. *Lecture*

Notes in Computer Science, 656:343–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fraus:1993:CCI

[43] Ulrich Fraus. A calculus for conditional inductive theorem proving. *Lecture Notes in Computer Science*, 656: 357–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hantao:1993:ICR

[44] Zhang Hantao. Implementing contextual rewriting. *Lecture Notes in Computer Science*, 656:363–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamada:1993:CTM

[45] Junnosuke Yamada. Confluence of terminating membership conditional TRS. *Lecture Notes in Computer Science*, 656:378–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

With:1993:CCO

[46] Lars With. Completeness and confluence of order-sorted term rewriting. *Lecture Notes in Computer Science*, 656:393–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoot:1993:CCT

[47] Charles Hoot. Completion for constrained term rewriting systems. *Lecture Notes in Computer Science*, 656: 408–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takano:1993:GPC

[48] Akihiko Takano. Generalized partial computation using disunification to solve constraints. *Lecture Notes in Computer Science*, 656:424–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pacholski:1993:ITD

[49] Leszek Pacholski. Invited talk: Decidability of finiteness properties. *Lecture Notes in Computer Science*, 656:429–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ganzinger:1993:TPW

[50] Harald Ganzinger and Uwe Waldmann. Termination proofs of well-moded logic programs via conditional rewrite systems. *Lecture Notes in Computer Science*, 656:430–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonnier:1993:LPP

[51] Staffan Bonnier and Jonas Wallgren. Logic programs with polymorphic types: A condition for static type checking. *Lecture Notes in Computer Science*, 656:438–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoy:1993:NLI

[52] Sergio Antoy. Normalization by leftmost innermost rewriting. *Lecture Notes in Computer Science*, 656:448–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Inverardi:1993:SDD

[53] Paola Inverardi and Monica Nesi. A strategy to deal with divergent rewrite systems. *Lecture Notes in Computer Science*, 656:458–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Delsart:1993:NAG

[54] Bertrand Delsart. A new approach to general E-unification based on conditional rewriting systems. *Lecture Notes in Computer Science*, 656:468–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bockmayr:1993:ONS

[55] Alexander Bockmayr, Stefan Krischer, and Andreas Werner. An optimal narrowing strategy for general canonical systems. *Lecture Notes in Computer Science*, 656:483–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wenchang:1993:SSS

[56] Fang Wenchang and Kao Jung-Hong. Set-of-support strategy for higher-order logic. *Lecture Notes in Computer Science*, 656:498–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brandstadt:1993:ITB

[57] A. Brandstadt. On improved time bounds for permutation graph problems. *Lecture Notes in Computer Science*, 657:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hsu:1993:STI

[58] W.-L. Hsu. A simple test for interval graphs. *Lecture Notes in Computer Science*, 657:11–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Felsner:1993:TGO

[59] S. Felsner. Tolerance graphs and orders. *Lecture Notes in Computer Science*, 657:17–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jansen:1993:SPR

[60] K. Jansen. On scheduling problems restricted to interval orders. *Lecture Notes in Computer Science*, 657:27–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bodlaender:1993:SIJ

[61] H. L. Bodlaender, K. Jansen, and G. J. Woeginger. Scheduling with incompatible jobs. *Lecture Notes in Computer Science*, 657:37–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jansen:1993:GCT

[62] K. Jansen and P. Scheffler. Generalized coloring for tree-like graphs. *Lecture Notes in Computer Science*, 657:50–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dahlhaus:1993:OPA

[63] E. Dahlhaus. Optimal (parallel) algorithms for the all-to-all vertices distance problem for certain graph classes. *Lecture Notes in Computer Science*, 657:60–??, 1993. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic).

Hromkovic:1993:TPN

[64] J. Hromkovic. Topology of parallel networks and computational complexity. *Lecture Notes in Computer Science*, 657:70–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Preilowski:1993:PTN

[65] W. Preilowski. Parallel triangulation of nonconvex polytopes. *Lecture Notes in Computer Science*, 657:78–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bodlaender:1993:KSC

[66] H. L. Bodlaender. Kayles on special classes of graphs — an application of Sprague-Grundy theory. *Lecture Notes in Computer Science*, 657:90–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1993:LTA

[67] J. Chen. A linear time algorithm for isomorphism of graphs of bounded average genus. *Lecture Notes in Computer Science*, 657:103–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bhatia:1993:IAR

[68] D. Bhatia, T. Leighton, F. Makedon, and C. H. Norton. Improved algorithms for routing on two-dimensional grids. *Lecture Notes in Computer Science*, 657:114–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ihler:1993:MRS

[69] E. Ihler. Minimum rectilinear Steiner trees for intervals on two parallel lines. *Lecture Notes in Computer Science*, 657:123–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gerstel:1993:NCT

[70] O. Gerstel and S. Zaks. A new characterization of tree medians with applications to distributed algorithms. *Lecture Notes in Computer Science*, 657:135–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dinitz:1993:ECS

[71] E. Dinitz. The 3-edge-components and a structural description of all 3-edge-cuts in a graph. *Lecture Notes in Computer Science*, 657:145–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1993:ACG

[72] J. Chen and A. Kanevsky. On assembly of 4-connected graphs. *Lecture Notes in Computer Science*, 657:158–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jamison:1993:HDG

[73] B. Jamison and S. Olariu. On the homogeneous decomposition of graphs. *Lecture Notes in Computer Science*, 657:170–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Das:1993:ERC

[74] S. K. Das and A. Mao. Embeddings in recursive combinatorial networks. *Lecture Notes in Computer Science*, 657:184–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Thorup:1993:SD

[75] M. Thorup. On shortcutting digraphs. *Lecture Notes in Computer Science*, 657:205–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cournier:1993:EAR

[76] A. Cournier and M. Habib. An efficient algorithm to recognize prime undirected graphs. *Lecture Notes in Computer Science*, 657:212–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Felsner:1993:CPO

[77] S. Felsner and D. Wagner. On the complexity of partial order properties. *Lecture Notes in Computer Science*, 657:225–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mosbah:1993:PGG

[78] M. Mosbah. Probabilistic graph grammars. *Lecture Notes in Computer Science*, 657:236–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Parisi-Presicce:1993:SVD

[79] F. Parisi-Presicce. Single vs. double pushout derivations of graphs. *Lecture Notes in Computer Science*, 657:248–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kant:1993:HGD

[80] G. Kant. Hexagonal grid drawings. *Lecture Notes in Computer Science*, 657:263–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Erwig:1993:GAI

[81] M. Erwig. Graph algorithms = iteration + data structures? the structure of graph algorithms and a corresponding style of programming. *Lecture Notes in Computer Science*, 657:277–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alimonti:1993:PNH

[82] P. Alimonti and E. Feuerstein. Petri nets, hypergraphs and conflicts. *Lecture Notes in Computer Science*, 657:293–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gergov:1993:AMB

[83] J. Gergov and C. Meinel. Analysis and manipulation of Boolean functions in terms of decision graphs. *Lecture Notes in Computer Science*, 657:310–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

OReilly:1993:EST

[84] U.-M. O'Reilly and N. Santoro. The expressiveness of silence: Tight bounds for synchronous communication of information using bits and silence. *Lec-*

ture Notes in Computer Science, 657: 321–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Litovsky:1993:PLL

[85] I. Litovsky, Y. Metivier, and W. Zielonka. The power and the limitations of local computations on graphs. *Lecture Notes in Computer Science*, 657: 333–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blundo:1993:GDS

[86] Carlo Blundo, Alfredo De Santis, Douglas R. Stinson, and Ugo Vaccaro. Graph decompositions and secret sharing schemes. *Lecture Notes in Computer Science*, 658:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580001.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580001.pdf`.

Frankel:1993:CIH

[87] Yair Frankel and Yvo Desmedt. Classification of ideal homomorphic threshold schemes over finite Abelian groups (extended abstract). *Lecture Notes in Computer Science*, 658:25–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580025.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580025.pdf`.

Baritaud:1993:FFH

[88] Thierry Baritaud, Henri Gilbert, and Marc Girault. F.F.T. hashing is not collision-free. *Lecture Notes in Computer Science*, 658:35–44, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580035.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580035.pdf`.

Schnorr:1993:FHI

[89] Claus P. Schnorr. FFT-hash II, efficient cryptographic hashing. *Lecture Notes in Computer Science*, 658:45–54, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580045.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580045.pdf`.

Lai:1993:HFB

[90] Xuejia Lai and James L. Massey. Hash functions based on block ciphers. *Lecture Notes in Computer Science*, 658: 55–70, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580055.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580055.pdf`.

Berson:1993:DCA

[91] Thomas A. Berson. Differential cryptanalysis mod 2^{32} with applica-

tions to MD5. *Lecture Notes in Computer Science*, 658:71–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580071.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580071.pdf.

Matsui:1993:LCM

[92] M. Matsui. Linear cryptanalysis method for DES cipher. *Lecture Notes in Computer Science*, 765:386–397, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Matsui:1993:NMK

[93] Mitsuru Matsui and Atsuhiro Yamagishi. A new method for known plaintext attack of FEAL cipher. *Lecture Notes in Computer Science*, 658:81–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580081.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580081.pdf.

Nyberg:1993:CHN

[94] Kaisa Nyberg. On the construction of highly nonlinear permutations. *Lecture Notes in Computer Science*, 658:92–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580092.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580092.pdf.

Wernsdorf:1993:ORF

[95] Ralph Wernsdorf. The one-round functions of the DES generate the alternating group. *Lecture Notes in Computer Science*, 658:99–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580099.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580099.pdf.

Golic:1993:CLS

[96] Jovan Dj. Golic. Correlation via linear sequential circuit approximation of combiners with memory. *Lecture Notes in Computer Science*, 658:113–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580113.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580113.pdf.

Mihaljevic:1993:CBI

[97] Miodrag J. Mihaljevic and Jovan Dj. Golic. Convergence of a Bayesian iterative error-correction procedure on a noisy shift register sequence. *Lecture Notes in Computer Science*, 658:124–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580124.htm; http://link.springer-ny.com/link/service/

series/0558/papers/0658/06580124.pdf.

OConnor:1993:STS

[98] Luke O'Connor and Tim Snider. Suffix trees and string complexity. *Lecture Notes in Computer Science*, 658:138–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580138.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580138.pdf.

Pfitzmann:1993:APS

[99] Birgit Pfitzmann and Michael Waidner. Attacks on protocols for server-aided RSA computation. *Lecture Notes in Computer Science*, 658:153–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580153.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580153.pdf.

Harper:1993:PKC

[100] Greg Harper, Alfred Menezes, and Scott A. Vanstone. Public-key cryptosystems with very small key lengths. *Lecture Notes in Computer Science*, 658:163–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580163.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580163.pdf.

Sauerbrey:1993:RRA

[101] Jörg Sauerbrey and Andreas Dietel. Resource requirements for the application of addition chains in modulo exponentiation. *Lecture Notes in Computer Science*, 658:174–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580174.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580174.pdf.

Dixon:1993:MPE

[102] Brandon Dixon and Arjen K. Lenstra. Massively parallel elliptic curve factoring. *Lecture Notes in Computer Science*, 658:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580183.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580183.pdf.

Anonymous:1993:PR

[103] Anonymous. Panel report. *Lecture Notes in Computer Science*, 658:194–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Desmedt:1993:TPM

[104] Yvo Desmedt, Peter Landrock, Arjen K. Lenstra, Kevin S. McCurley, Andrew M. Odlyzko, Rainer A. Rueppel, and Miles E. Smid. Trapdoor primes and moduli (panel report). *Lecture Notes in Computer Science*, 658:194–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580194.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580194.pdf.

Brickell:1993:FEP

[105] Ernest F. Brickell, Daniel M. Gordon, Kevin S. McCurley, and David B. Wilson. Fast exponentiation with precomputation (extended abstract). *Lecture Notes in Computer Science*, 658:200–207, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580200.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580200.pdf.

Beller:1993:BDH

[106] Michael J. Beller and Yacov Yacobi. Batch Diffie–Hellman key agreement systems and their application to portable communications. *Lecture Notes in Computer Science*, 658:208–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580208.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580208.pdf.

Iwamura:1993:HSI

[107] Keiichi Iwamura, Tsutomu Matsumoto, and Hideki Imai. High-speed implementation methods for RSA scheme. *Lecture Notes in Computer Science*, 658:221–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580221.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580221.pdf.

Maurer:1993:SGT

[108] Ueli M. Maurer. A simplified and generalized treatment of Luby-Rackoff pseudorandom permutation generators. *Lecture Notes in Computer Science*, 658:239–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580239.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580239.pdf.

Patarin:1993:HCP

[109] Jacques Patarin. How to construct pseudorandom and super pseudorandom permutations from one single pseudorandom function. *Lecture Notes in Computer Science*, 658:256–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580256.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580256.pdf.

Sadeghiyan:1993:CSP

[110] Babak Sadeghiyan and Józef P. Pieprzyk. A construction of super pseudorandom permutations from a single pseudorandom function. *Lecture*

Notes in Computer Science, 658:267–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580267.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580267.pdf.

Beaver:1993:HBS

[111] Donald Beaver. How to break a "secure" oblivious transfer protocol. *Lecture Notes in Computer Science*, 658:285–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580285.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580285.pdf.

Barbaroux:1993:URP

[112] Paul Barbaroux. Uniform results in polynomial-time security. *Lecture Notes in Computer Science*, 658:297–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580297.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580297.pdf.

Beaver:1993:CPP

[113] Donald Beaver and Stuart Haber. Cryptographic protocols provably secure against dynamic adversaries. *Lecture Notes in Computer Science*, 658:307–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580307.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580307.pdf.

Ohta:1993:SBC

[114] Kazuo Ohta, Tatsuaki Okamoto, and Atsushi Fujioka. Secure bit commitment function against divertibility. *Lecture Notes in Computer Science*, 658:324–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580324.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580324.pdf.

Damgaard:1993:NIC

[115] Ivan Damgård. Non-interactive circuit based proofs and non-interactive perfect zero-knowledge with preprocessing. *Lecture Notes in Computer Science*, 658:341–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580341.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580341.pdf.

Damgard:1993:NIC

[116] I. Damgard. Non-interactive circuit based proofs and non-interactive perfect zero-knowledge with preprocessing. *Lecture Notes in Computer Science*, 658:341–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biehl:1993:TPZ

[117] Ingrid Biehl, Johannes A. Buchmann, Bernd Meyer, Christian Thiel, and Christoph Thiel. Tools for proving zero knowledge. *Lecture Notes in Computer Science*, 658:356–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580356.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580356.pdf.

Heyst:1993:HME

[118] Eugène van Heyst and Torben Pryds Pedersen. How to make efficient fail-stop signatures. *Lecture Notes in Computer Science*, 658:366–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580366.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580366.pdf.

vanHeyst:1993:HME

[119] Eugène van Heyst and Torben Pryds Pedersen. How to make efficient fail-stop signatures. *Lecture Notes in Computer Science*, 658:366–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580366.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580366.pdf.

Evertse:1993:WNR

[120] Jan-Hendrik Evertse and Eugène van Heyst. Which new RSA signatures can be computed from RSA signatures, obtained in a specific interactive protocol? *Lecture Notes in Computer Science*, 658:378–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580378.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580378.pdf.

Chaum:1993:TCG

[121] David Chaum and Torben Pryds Pedersen. Transferred cash grows in size. *Lecture Notes in Computer Science*, 658:390–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580390.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580390.pdf.

Niederreiter:1993:LRC

[122] Harald Niederreiter and Claus P. Schnorr. Local randomness in candidate one-way functions. *Lecture Notes in Computer Science*, 658:408–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580408.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580408.pdf.

Okamoto:1993:HID

[123] Tatsuaki Okamoto, Kouichi Sakurai, and Hiroki Shizuya. How intractable is the discrete logarithm for a general finite group. *Lecture Notes in Computer Science*, 658:420–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580420.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580420.pdf.

Maurer:1993:FO

[124] Ueli M. Maurer. Factoring with an oracle. *Lecture Notes in Computer Science*, 658:429–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580429.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580429.pdf.

Heiman:1993:SAT

[125] Rafi Heiman. Secure audio teleconferencing: A practical solution. *Lecture Notes in Computer Science*, 658:437–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580437.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580437.pdf.

Koyama:1993:SCK

[126] Kenji Koyama. Secure conference key distribution schemes for conspiracy attack. *Lecture Notes in Computer Science*, 658:449–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580449.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580449.pdf.

Heiman:1993:NDL

[127] Rafi Heiman. A note on discrete logarithms with special structure. *Lecture Notes in Computer Science*, 658:454–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580454.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580454.pdf.

Maurer:1993:RNI

[128] Ueli M. Maurer and Yacov Yacobi. A remark on a non-interactive public-key distribution system. *Lecture Notes in Computer Science*, 658:458–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580458.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580458.pdf.

Chen:1993:SBP

[129] Lidong Chen and Ivan Damgård. Security bounds for parallel versions of identification protocols (extended abstract). *Lecture Notes*

in Computer Science, 658:461–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580461.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580461.pdf.

Sgarro:1993:ITB

[130] Andrea Sgarro. Information-theoretic bounds for authentication frauds. *Lecture Notes in Computer Science*, 658:467–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580467.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580467.pdf.

Golic:1993:GCA

[131] Jovan Dj. Golic and Slobodan V. Petrovic. A generalized correlation attack with a probabilistic constrained edit distance. *Lecture Notes in Computer Science*, 658:472–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580472.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580472.pdf.

Iwamura:1993:SAM

[132] Keiichi Iwamura, Tsutomu Matsumoto, and Hideki Imai. Systolic-arrays for modular exponentiation using Montgomery method (extended abstract). *Lecture Notes in Computer Science*, 658:477–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580477.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580477.pdf.

Agnew:1993:DFE

[133] Gordon B. Agnew, R. C. Mullin, and Scott A. Vanstone. On the development of a fast elliptic curve cryptosystem. *Lecture Notes in Computer Science*, 658:482–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580482.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580482.pdf.

Naccache:1993:MSF

[134] David Naccache. A Montgomery-suitable Fiat–Shamir-like authentication scheme. *Lecture Notes in Computer Science*, 658:488–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0658/06580488.htm; http://link.springer-ny.com/link/service/series/0558/papers/0658/06580488.pdf.

Anonymous:1993:AIa

[135] Anonymous. Author index. *Lecture Notes in Computer Science*, 658:493–

??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer-ny.com/link/service/series/0558/papers/0658/0658ind.pdf`.

Brewka:1993:TNR

[136] Gerd Brewka, Jurgen Dix, and Kurt Konolige. A tutorial on nonmonotonic reasoning. *Lecture Notes in Computer Science*, 659:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abe:1993:SCV

[137] Naoki Abe. On the sample complexity of various learning strategies in the probabilistic PAC learning paradigms. *Lecture Notes in Computer Science*, 659:89–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arikawa:1993:MAL

[138] Setsuo Arikawa, Takeshi Shinohara, Satoru Miyano, and Ayumi Shinohara. More about learning elementary formal systems. *Lecture Notes in Computer Science*, 659:107–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arimura:1993:PTA

[139] Hiroki Arimura, Takeshi Shinohara, and Setsuko Otsuki. A polynomial time algorithm for finding finite unions of tree pattern languages. *Lecture Notes in Computer Science*, 659:118–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barzdins:1993:TEIa

[140] Janis Barzdins and Guntis Barzdins. Towards efficient inductive synthesis: Rapid construction of local regularities. *Lecture Notes in Computer Science*, 659:132–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Besnard:1993:DGD

[141] Ph. Besnard and E. Gregoire. Deductive generalization in a default logic setting. *Lecture Notes in Computer Science*, 659:141–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brass:1993:DSD

[142] Stefan Brass. Deduction with supernormal defaults. *Lecture Notes in Computer Science*, 659:153–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Daley:1993:MAL

[143] Robert Daley. Multi-agent learning: Theoretical and empirical studies. *Lecture Notes in Computer Science*, 659:175–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Franova:1993:PSF

[144] Marta Franova and Yves Kodratoff. Predicate synthesis from formal specifications: Using mathematical induction for finding the preconditions of theorems. *Lecture Notes in Computer Science*, 659:184–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freivalds:1993:DTH

[145] Rusins Freivalds, Efim B. Kinber, and Rolf Wiehagen. Dual types of hypotheses in inductive inference. *Lecture Notes in Computer Science*, 659: 209–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lakemeyer:1993:AKA

[146] Gerhard Lakemeyer. All I know about Tweety. *Lecture Notes in Computer Science*, 659:241–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lange:1993:MVN

[147] Steffer Lange and Thomas Zeugmann. Monotonic versus nonmonotonic language learning. *Lecture Notes in Computer Science*, 659:254–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Marek:1993:NFR

[148] V. Wiktor Marek and Miroslaw Truszczynski. Normal form results for default logic. *Lecture Notes in Computer Science*, 659:270–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mehl:1993:RCB

[149] Michael Mehl. Retrieval in case-based reasoning using preferred subtheories. *Lecture Notes in Computer Science*, 659:284–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takada:1993:ISP

[150] Yuji Takada. Interactive synthesis of process flowcharts. *Lecture Notes in Computer Science*, 659:298–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Viksna:1993:PIA

[151] Juris Viksna. Probabilistic inference of approximations. *Lecture Notes in Computer Science*, 659:323–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pereira:1993:STP

[152] L. M. Pereira, L. Caires, and J. Alferes. SLWV — A theorem prover for logic programming. *Lecture Notes in Computer Science*, 660:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Satoh:1993:CGD

[153] K. Satoh and N. Iwayama. A correct goal-directed proof procedure for a general logic program with integrity constraints. *Lecture Notes in Computer Science*, 660:24–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dung:1993:DSH

[154] P. M. Dung. Declarative semantics of hypothetical logic programming with negation as failure. *Lecture Notes in Computer Science*, 660:45–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ramirez:1993:CNC

[155] M. J. Ramirez and M. Falaschi. Conditional narrowing with constructive

negation. *Lecture Notes in Computer Science*, 660:59–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertino:1993:CAD

[156] E. Bertino, M. Martelli, and D. Montesi. CLP (AD) as a deductive database language with updates. *Lecture Notes in Computer Science*, 660:80–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ait-Kaci:1993:LPF

[157] H. Ait-Kaci and A. Podelski. Logic programming with functions over order-sorted feature terms. *Lecture Notes in Computer Science*, 660:100–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boley:1993:DSC

[158] H. Boley. A direct semantic characterization of RELFUN. *Lecture Notes in Computer Science*, 660:120–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dovier:1993:EFS

[159] A. Dovier, E. G. Omodeo, E. Pontelli, and G. Rossi. Embedding finite sets in a logic programming language. *Lecture Notes in Computer Science*, 660:150–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giordano:1993:MFS

[160] L. Giordano and A. Martelli. A modal framework for structured logic programs. *Lecture Notes in Computer Science*, 660:168–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brogi:1993:MSO

[161] A. Brogi and F. Turini. Metalogic for state oriented programming. *Lecture Notes in Computer Science*, 660:187–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bugliesi:1993:SIL

[162] M. Bugliesi. On the semantics of inheritance in logic programming: Compositionality and full abstraction. *Lecture Notes in Computer Science*, 660: 205–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Porto:1993:ASC

[163] A. Porto and P. Rosado. The AbstrAct scheme for concurrent programming. *Lecture Notes in Computer Science*, 660:216–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Miller:1993:PCT

[164] D. Miller. The pi-calculus as a theory in linear logic: Preliminary results. *Lecture Notes in Computer Science*, 660:242–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Keronen:1993:NDP

[165] S. Keronen. Natural deduction proof theory for logic programming. *Lecture Notes in Computer Science*, 660:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reddy:1993:TFD

[166] U. S. Reddy. A typed foundation for directional logic programming. *Lecture Notes in Computer Science*, 660:282–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meier:1993:APE

[167] M. Meier and J. Schimpf. An architecture for Prolog extensions. *Lecture Notes in Computer Science*, 660:319–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Denti:1993:TIC

[168] E. Denti, E. Lamma, P. Mello, A. Natali, and A. Omicini. Techniques for implementing contexts in logic programming. *Lecture Notes in Computer Science*, 660:339–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kwon:1993:INM

[169] K. Kwon, G. Nadathur, and D. S. Wilson. Implementing a notion of modules in the logic programming language lambda Prolog. *Lecture Notes in Computer Science*, 660:359–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aronsson:1993:IIG

[170] M. Aronsson. Implementational issues in GCLA: A-sufficiency and the Definiens operation. *Lecture Notes in Computer Science*, 660:394–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Akama:1993:MRC

[171] Y. Akama. On Mints' reduction for ccc-calculus. *Lecture Notes in Computer Science*, 664:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Altenkirch:1993:FSN

[172] Th. Altenkirch. A formalization of the strong normalization proof for system F in LEGO. *Lecture Notes in Computer Science*, 664:13–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

vanBakel:1993:PIT

[173] S. van Bakel. Partial intersection type assignment in applicative term rewriting systems. *Lecture Notes in Computer Science*, 664:29–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barbanera:1993:ECC

[174] F. Barbanera and S. Berardi. Extracting constructive content from classical logic via control-like reductions. *Lecture Notes in Computer Science*, 664: 45–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barbanera:1993:CFH

[175] F. Barbanera and M. Fernandez. Combining first and higher order rewrite systems with type assignment systems. *Lecture Notes in Computer Science*, 664:60–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benton:1993:TCI

[176] N. Benton, G. Bierman, V. de Paiva, and M. Hyland. A term calculus for intuitionistic linear logic. *Lecture Notes in Computer Science*, 664:75–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berger:1993:PEN

[177] U. Berger. Program extraction from normalization proofs. *Lecture Notes in Computer Science*, 664:91–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castagna:1993:SLE

[178] G. Castagna, G. Ghelli, and G. Longo. A semantics for lambda &-early: a calculus with overloading and early binding. *Lecture Notes in Computer Science*, 664:107–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiGianantonio:1993:ANA

[179] P. Di Gianantonio and F. Honsell. An abstract notion of application. *Lecture Notes in Computer Science*, 664:124–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dowek:1993:UTL

[180] G. Dowek. The undecidability of typability in the lambda-pi-calculus. *Lecture Notes in Computer Science*, 664: 139–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ghelli:1993:RTC

[181] G. Ghelli. Recursive types are not conservative over Flsim. *Lecture Notes in Computer Science*, 664:146–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deGroote:1993:CTR

[182] Ph. de Groote. The conservation theorem revisited. *Lecture Notes in Computer Science*, 664:163–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hyland:1993:MRT

[183] J. M. E. Hyland and C.-H. L. Ong. Modified realizability toposes and strong normalization proofs. *Lecture Notes in Computer Science*, 664:179–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jacobs:1993:SLO

[184] B. Jacobs. Semantics of lambda-I and of other substructure lambda calculi. *Lecture Notes in Computer Science*, 664:195–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jacobs:1993:TDT

[185] B. Jacobs and T. Melham. Translating dependent type theory into higher order logic. *Lecture Notes in Computer Science*, 664:209–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jung:1993:SFA

[186] A. Jung and A. Stoughton. Studying the fully abstract model of PCF within

its continuous function model. *Lecture Notes in Computer Science*, 664:230–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jung:1993:NCL

[187] A. Jung and J. Tiuryn. A new characterization of lambda definability. *Lecture Notes in Computer Science*, 664: 245–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leiss:1993:CRD

[188] H. Leiß. Combining recursive and dynamic types. *Lecture Notes in Computer Science*, 664:258–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leivant:1993:LCC

[189] D. Leivant and J.-Y. Marion. Lambda calculus characterizations of poly-time. *Lecture Notes in Computer Science*, 664:274–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

McKinna:1993:PTS

[190] J. McKinna and R. Pollack. Pure type systems formalized. *Lecture Notes in Computer Science*, 664:289–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nipkow:1993:OHO

[191] T. Nipkow. Orthogonal higher-order rewrite systems are confluent. *Lecture Notes in Computer Science*, 664:306–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Otth:1993:MVA

[192] D. F. Otth. Monotonic versus antimonotonic exponentiation. *Lecture Notes in Computer Science*, 664:318–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Paulin-Mohring:1993:IDS

[193] Chr. Paulin-Mohring. Inductive definitions in the system Coq; rules and properties. *Lecture Notes in Computer Science*, 664:328–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pierce:1993:ITB

[194] B. C. Pierce. Intersection types and bounded polymorphism. *Lecture Notes in Computer Science*, 664:346–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Plotkin:1993:LPP

[195] G. Plotkin and M. Abadi. A logic for parametric polymorphism. *Lecture Notes in Computer Science*, 664:361–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sieber:1993:CVN

[196] K. Sieber. Call-by-value and nondeterminism. *Lecture Notes in Computer Science*, 664:376–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Springintveld:1993:LUB

[197] J. Springintveld. Lower and upper bounds for reductions of types in

lambda omega and lambda P. *Lecture Notes in Computer Science*, 664:391–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takahashi:1993:LCC

[198] M. Takahashi. lambda-calculi with conditional rules. *Lecture Notes in Computer Science*, 664:406–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Urzyczyn:1993:TRU

[199] P. Urzyczyn. Type reconstruction in F_ω is undecidable. *Lecture Notes in Computer Science*, 664:418–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castellani:1993:CDS

[200] I. Castellani. Causal and distributed semantics for concurrent processes. *Lecture Notes in Computer Science*, 665: 1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:AHS

[201] Anonymous. The alternation hierarchy for sublogarithmic space: an exciting race to STACS'93. *Lecture Notes in Computer Science*, 665:2–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

vonBraunmuhl:1993:ATW

[202] B. von Braunmuhl. Alternation for two-way machines with sublogarithmic space. *Lecture Notes in Computer Science*, 665:5–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liskiewicz:1993:SLL

[203] M. Liskiewicz and R. Reischuk. Separating the lower levels of the sublogarithmic space hierarchy. *Lecture Notes in Computer Science*, 665:16–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kobler:1993:LPP

[204] J. Kobler. Locating P/poly optimally in the extended low hierarchy. *Lecture Notes in Computer Science*, 665:28–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lutz:1993:MSD

[205] J. H. Lutz and E. Mayordomo. Measure, stochasticity, and the density of hard languages. *Lecture Notes in Computer Science*, 665:38–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Devienne:1993:HPO

[206] P. Devienne, P. Lebegue, and J.-C. Routier. Halting problem of one binary Horn clause is undecidable. *Lecture Notes in Computer Science*, 665:48–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chaochen:1993:DUR

[207] Z. Chaochen, M. R. Hansen, and P. Sestoft. Decidability and undecidability results for duration calculus. *Lecture Notes in Computer Science*, 665:58–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deGroote:1993:DLT

[208] P. de Groote. Defining lambda-typed lambda-calculi by axiomatizing the typing relation. *Lecture Notes in Computer Science*, 665:69–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eiter:1993:CLB

[209] T. Eiter and G. Gottlob. The complexity of logic-based abduction. *Lecture Notes in Computer Science*, 665:70–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kloks:1993:TCB

[210] T. Kloks and D. Kratsch. Treewidth of chordal bipartite graphs. *Lecture Notes in Computer Science*, 665:80–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huckenbeck:1993:PNV

[211] U. Huckenbeck. On paths in networks with valves. *Lecture Notes in Computer Science*, 665:90–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sunder:1993:SIO

[212] S. Sunder and X. He. Scheduling interval ordered tasks in parallel. *Lecture Notes in Computer Science*, 665: 100–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pietracaprina:1993:SWC

[213] A. Pietracaprina and F. P. Preparata. An $O(\sqrt{n})$-worst-case-time solution to the granularity problem. *Lecture Notes in Computer Science*, 665:110–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Desel:1993:SPP

[214] J. Desel and W. Reisig. The synthesis problem of Petri nets. *Lecture Notes in Computer Science*, 665:120–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Best:1993:GRR

[215] E. Best, R. Devillers, and J. Esparza. General refinement and recursion operators for the Petri box calculus. *Lecture Notes in Computer Science*, 665:130–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonacina:1993:FDA

[216] M. P. Bonacina and J. Hsiang. On fairness in distributed automated deduction. *Lecture Notes in Computer Science*, 665:141–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mayr:1993:DCA

[217] E. W. Mayr and R. Werchner. Divide-and-conquer algorithms on the hypercube. *Lecture Notes in Computer Science*, 665:153–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Allender:1993:FOI

[218] E. Allender, J. Balcazar, and N. Immerman. A first-order isomorphism theorem. *Lecture Notes in Computer Science*, 665:163–??, 1993. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buhrman:1993:SRS

[219] H. Buhrman, A. Hoene, and L. Torenvliet. Splittings, robustness and structure of complete sets. *Lecture Notes in Computer Science*, 665:175–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hemachandra:1993:DUD

[220] L. A. Hemachandra and S. K. Jha. Defying upward and downward separation. *Lecture Notes in Computer Science*, 665:185–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoene:1993:CSS

[221] A. Hoene and A. Nickelsen. Counting, selecting, and sorting by query-bounded machines. *Lecture Notes in Computer Science*, 665:196–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jantzen:1993:CCF

[222] M. Jantzen and H. Petersen. Cancellation in context-free languages: enrichment by reduction. *Lecture Notes in Computer Science*, 665:206–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cassaigne:1993:COF

[223] J. Cassaigne. Counting overlap-free binary words. *Lecture Notes in Computer Science*, 665:216–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Narbel:1993:LSR

[224] P. Narbel. The limit set of recognizable substitution systems. *Lecture Notes in Computer Science*, 665:226–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krob:1993:PCL

[225] D. Krob and P. Lalonde. Partially commutative Lyndon words. *Lecture Notes in Computer Science*, 665:237–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Monien:1993:PAD

[226] B. Monien, R. Feldmann, R. Klasing, and R. Luling. Parallel architectures: design and efficient use. *Lecture Notes in Computer Science*, 665: 247–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Formann:1993:WCP

[227] M. Formann. Weighted closest pairs. *Lecture Notes in Computer Science*, 665:270–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schuierer:1993:RPQ

[228] S. Schuierer. Rectilinear path queries in a simple rectilinear polygon. *Lecture Notes in Computer Science*, 665: 282–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Czumaj:1993:PAM

[229] A. Czumaj. Parallel algorithm for the matrix chain product and the opti-

mal triangulation problems. *Lecture Notes in Computer Science*, 665:294–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dessmark:1993:MLR

[230] A. Dessmark, A. Lingas, and A. Maheshwari. Multi-list ranking: complexity and applications. *Lecture Notes in Computer Science*, 665:306–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kucera:1993:EAG

[231] L. Kucera, K. Mehlhorn, B. Preis, and E. Schwarzenecker. Exact algorithms for a geometric packing problem. *Lecture Notes in Computer Science*, 665:317–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maler:1993:DTP

[232] O. Maler. A decomposition theorem for probabilistic transition systems. *Lecture Notes in Computer Science*, 665:323–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Montalbano:1993:LAC

[233] R. Montalbano. Local automata and completion. *Lecture Notes in Computer Science*, 665:333–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Culik:1993:ECW

[234] K. Culik and S. Dube. Efficient compression of wavelet coefficients for smooth and fractal-like data. *Lecture Notes in Computer Science*, 665:343–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ibarra:1993:ETW

[235] O. H. Ibarra, T. Jiang, N. Tran, and H. Wang. On the equivalence of two-way pushdown automata and counter machines over bounded languages. *Lecture Notes in Computer Science*, 665:354–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cosnard:1993:CPL

[236] M. Cosnard, M. Garzon, and P. Koiran. Computability properties of low-dimensional dynamical systems. *Lecture Notes in Computer Science*, 665: 365–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abrahamson:1993:FPI

[237] K. A. Abrahamson, R. G. Downey, and M. R. Fellows. Fixed-parameter intractability II. *Lecture Notes in Computer Science*, 665:374–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fich:1993:LPP

[238] F. E. Fich, R. Impagliazzo, B. Kapron, V. King, and M. Kutylowski. Limits on the power of parallel random access machines with weak forms of write conflict resolution. *Lecture Notes in Computer Science*, 665:386–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fenner:1993:UOC

[239] S. Fenner, S. Ogiwara, M. Homer, and A. L. Selman. On using oracles that compute values. *Lecture Notes in Computer Science*, 665:398–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gengler:1993:MAS

[240] R. Gengler. Multicounter automata with sublogarithmic reversal bounds. *Lecture Notes in Computer Science*, 665:408–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Uselton:1993:SOS

[241] A. C. Uselton. Structured operational semantics for concurrency and hierarchy. *Lecture Notes in Computer Science*, 665:418–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hungar:1993:CVF

[242] H. Hungar. The complexity of verifying functional programs. *Lecture Notes in Computer Science*, 665:428–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lentfert:1993:TFD

[243] P. J. A. Lentfert and S. D. Swierstra. Towards the formal design of self-stabilizing distributed algorithms. *Lecture Notes in Computer Science*, 665:440–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Penczek:1993:ATL

[244] W. Penczek. Axiomatizations of temporal logics on trace systems. *Lecture Notes in Computer Science*, 665:452–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lurwer-Bruggemeier:1993:CCC

[245] K. Lurwer-Bruggemeier and F. Meyer auf der Heide. Capabilities and complexity of computations with integer division. *Lecture Notes in Computer Science*, 665:463–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Niedermeier:1993:ELD

[246] R. Niedermeier and P. Rossmanith. Extended locally definable acceptance types. *Lecture Notes in Computer Science*, 665:473–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fenner:1993:GDC

[247] S. Fenner, L. Fortnow, and L. Li. Gap-definability as a closure property. *Lecture Notes in Computer Science*, 665:484–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Choffrut:1993:LDS

[248] C. Choffrut and L. Guerra. On the logical definability of some rational trace languages. *Lecture Notes in Computer Science*, 665:494–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gilleron:1993:SSS

[249] R. Gilleron, S. Tison, and M. Tommasi. Solving systems of set constraints using tree automata. *Lecture Notes in Computer Science*, 665:505–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lugiez:1993:CPT

[250] D. Lugiez and J. L. Moysset. Complement problems and tree automata in AC-like theories. *Lecture Notes in Computer Science*, 665:515–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Babai:1993:THP

[251] L. Babai. Transparent (holographic) proofs. *Lecture Notes in Computer Science*, 665:525–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1993:CSF

[252] Z.-L. Zhang, D. A. Mix Barrington, and J. Tarui. Computing symmetric functions with AND/OR circuits and a single MAJORITY gate. *Lecture Notes in Computer Science*, 665:535–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maciel:1993:TCI

[253] A. Maciel and D. Therien. Threshold circuits for iterated multiplication: using AC^O for free. *Lecture Notes in Computer Science*, 665:545–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beaudry:1993:CMG

[254] M. Beaudry, P. McKenzie, and P. Peladeau. Circuits with monoidal gates. *Lecture Notes in Computer Science*, 665:555–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Istrail:1993:NPS

[255] S. Istrail and D. Zivkovic. A non-probabilistic switching lemma for the Sipser function. *Lecture Notes in Computer Science*, 665:566–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gergov:1993:FFP

[256] J. Gergov and C. Meinel. Frontiers of feasible and probabilistic feasible Boolean manipulation with branching programs. *Lecture Notes in Computer Science*, 665:576–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maler:1993:SCO

[257] O. Maler and L. Staiger. On syntactic congruences for omega-languages. *Lecture Notes in Computer Science*, 665: 586–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Varricchio:1993:PTA

[258] S. Varricchio. A polynomial time algorithm for the equivalence of two morphisms on omega-regular languages. *Lecture Notes in Computer Science*, 665:595–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilke:1993:LTT

[259] T. Wilke. Locally threshold testable languages of infinite words. *Lecture Notes in Computer Science*, 665:607–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diekert:1993:DAA

[260] V. Diekert and A. Muscholl. Deterministic asynchronous automata for infinite traces. *Lecture Notes in Computer Science*, 665:617–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Staiger:1993:RAI

[261] L. Staiger. Recursive automata on infinite words. *Lecture Notes in Computer Science*, 665:629–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sairam:1993:CTA

[262] S. Sairam, J. S. Vitter, and R. Tamassia. A complexity theoretic approach to incremental computation. *Lecture Notes in Computer Science*, 665:640–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reischuk:1993:PAC

[263] R. Reischuk and C. Schindelhauer. Precise average case complexity. *Lecture Notes in Computer Science*, 665:650–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Miltersen:1993:BPC

[264] P. B. Miltersen. The bit probe complexity measure revisited. *Lecture Notes in Computer Science*, 665:662–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baliga:1993:LLS

[265] G. Baliga, J. Case, and S. Jain. Language learning with some negative information. *Lecture Notes in Computer Science*, 665:672–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lange:1993:LLB

[266] S. Lange and T. Zeugmann. Language learning with a bounded number of mind changes. *Lecture Notes in Computer Science*, 665:682–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blundo:1993:ESM

[267] C. Blundo, A. De Santis, and U. Vaccaro. Efficient sharing of many secrets. *Lecture Notes in Computer Science*, 665:692–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Drexler:1993:KST

[268] R. Drexler, W. Reif, G. Schellhorn, K. Stenzel, W. Stephan, and A. Wolpers. The KIV system — a tool for formal program development. *Lecture Notes in Computer Science*, 665:704–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hofting:1993:GSI

[269] F. Hofting, E. Wanke, A. Balmosan, and C. Bergmann. 1st grade — a system for implementation, testing and animation of graph algorithms. *Lecture Notes in Computer Science*, 665: 706–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaufl:1993:PVT

[270] T. Kaufl. The program verifier Tatzelwurm. *Lecture Notes in Computer Science*, 665:708–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Naher:1993:LLE

[271] S. Naher. LEDA — a library of efficient data types and algorithms. *Lecture Notes in Computer Science*, 665: 710–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Backhouse:1993:CPA

[272] R. C. Backhouse, J. P. H. W. Van den Eijnde, and A. J. M. Van Gasteren. Calculating path algorithms. *Lecture Notes in Computer Science*, 669:3–20, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gardiner:1993:ACP

[273] P. H. B. Gardiner, C. E. Martin, and O. De Moor. An algebraic construction of predicate transformers. *Lecture Notes in Computer Science*, 669:21–44, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hofstee:1993:DCS

[274] H. P. Hofstee. Distributing a class of sequential programs. *Lecture Notes in Computer Science*, 669:45–66, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoogendijk:1993:RPL

[275] P. F. Hoogendijk and R. C. Backhouse. Relational programming laws in the tree, list, bag, set hierarchy. *Lecture Notes in Computer Science*, 669:67–106, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jones:1993:DAC

[276] G. Jones and M. Sheeran. Designing arithmetic circuits by refinement in Ruby. *Lecture Notes in Computer Science*, 669:107–136, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lukkien:1993:OSG

[277] J. J. Lukkien. Operational semantics and generalized weakest preconditions. *Lecture Notes in Computer Science*, 669:137–156, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moeller:1993:SPG

[278] B. Moeller and M. Russling. Shorter paths to graph algorithms. *Lecture Notes in Computer Science*, 669:157–180, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gabbay:1993:HCL

[279] D. M. Gabbay. How to construct a logic for your application. *Lecture Notes in Computer Science*, 671:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baumgartner:1993:MEC

[280] Peter Baumgartner. A model elimination calculus with built-in theories. *Lecture Notes in Computer Science*, 671:30–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weidenbach:1993:NSL

[281] Christoph Weidenbach. A new sorted logic. *Lecture Notes in Computer Science*, 671:43–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xiaorong:1993:EFH

[282] Huang Xiaorong. An explanatory framework for human theorem proving. *Lecture Notes in Computer Science*, 671:55–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Posegga:1993:TFO

[283] Joachim Posegga and Bertram Ludascher. Towards first-order deduction based on Shannon graphs. *Lecture Notes in Computer Science*, 671:67–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bachmann:1993:SFE

[284] Reinhard Bachmann, Thomas Malsch, and Susanne Ziegler. Success and failure of expert systems in different fields of industrial application. *Lecture Notes in Computer Science*, 671:77–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Linster:1993:VKE

[285] Marc Linster. Viewing knowledge engineering as a symbiosis of "modeling to make sense" and "modeling to implement systems". *Lecture Notes in Computer Science*, 671:87–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Branskat:1993:CBK

[286] Sonja Branskat and Marc Linster. Cases as a basis for knowledge acquisition in the pre-formal phases of knowledge engineering. *Lecture Notes in Computer Science*, 671:100–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coulon:1993:CGT

[287] Carl-Helmut Coulon, Frank van Harmelen, Werner Karbach, and Angi Vob. Controlling generate and test in any time. *Lecture Notes in Computer Science*, 671:110–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weigel:1993:ECS

[288] Achim Weigel and Rainer Bleisinger. Efficient computation of solutions for contradictory time interval networks. *Lecture Notes in Computer Science*, 671:122–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baader:1993:ECL

[289] Franz Baader and Philipp Hanschke. Extensions of concept languages for a mechanical engineering application. *Lecture Notes in Computer Science*, 671:132–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hanschke:1993:CTR

[290] Philipp Hanschke and Knut Hinkelmann. Combining terminological and rule-based reasoning for abstraction processes. *Lecture Notes in Computer Science*, 671:144–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hinkelmann:1993:FLE

[291] Knut Hinkelmann. Forward logic evaluation: Compiling a partially evaluated meta-interpreter into the WAM. *Lecture Notes in Computer Science*, 671: 156–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Prem:1993:CSM

[292] Erich Prem, Markus Mackinger, Georg Dorffner, G. Porenta, and H. Sochor. Concept support as a method for programming neural networks with symbolic knowledge. *Lecture Notes in Computer Science*, 671:166–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Herrmann:1993:HIG

[293] Jurgen Herrmann and Renate Beckmann. A heuristic inductive generalization method and its application to VLSI-Design. *Lecture Notes in Computer Science*, 671:176–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bergmann:1993:LPA

[294] Ralph Bergmann. Learning plan abstractions. *Lecture Notes in Computer Science*, 671:187–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Linden:1993:DQF

[295] Alexander Linden. On discontinuous Q-functions in reinforcement learning. *Lecture Notes in Computer Science*, 671:199–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Poeck:1993:ITS

[296] Karsten Poeck and Martin Tins. An intelligent tutoring system for classification problem solving. *Lecture Notes in Computer Science*, 671:210–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schroder:1993:KBP

[297] Martin Schroder. Knowledge-based processing of medical language: A language engineering approach. *Lecture Notes in Computer Science*, 671:221–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kranzdorf:1993:TPI

[298] Heike Kranzdorf and Ulrike Griefahn. Text planning in ITEX: A hybrid approach. *Lecture Notes in Computer Science*, 671:235–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schulz:1993:YNQ

[299] Marion Schulz and Daniela Schmidt. Yes/no questions with negation: Towards integrating semantics and pragmatics. *Lecture Notes in Computer Science*, 671:247–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Konig:1993:EDA

[300] Esther Konig. An efficient decision algorithm for feature logic. *Lecture Notes in Computer Science*, 671:255–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Decker:1993:UQQ

[301] Stefan Decker and Christoph Lingenfelder. Universally quantified queries in languages with order-sorted logics. *Lecture Notes in Computer Science*, 671:267–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meier:1993:SVE

[302] Justus Meier. A semantic view of explanation. *Lecture Notes in Computer Science*, 671:272–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Janetzko:1993:GDS

[303] Dietmar Janetzko, Stefan Wess, and Erica Melis. Goal-driven similarity assessment. *Lecture Notes in Computer Science*, 671:283–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lenting:1993:DNR

[304] Jacques H. J. Lenting and Peter J. Braspenning. Delegated negotiation for resource re-allocation. *Lecture Notes in Computer Science*, 671:299–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deGreef:1993:TSL

[305] Paul de Greef, Keith Clark, and Frank McCabe. Towards a specification language for cooperation methods. *Lecture Notes in Computer Science*, 671:313–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kramer:1993:IOS

[306] Martin Kramer. Improving operating system usage. *Lecture Notes in Computer Science*, 671:320–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kolln:1993:RUM

[307] Matthias E. Kolln. The role of user models for conflicts in a constraint-based model of generation. *Lecture Notes in Computer Science*, 671:334–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buchberger:1993:CNL

[308] Ernst Buchberger. Criteria in natural language generation: Minimal criteria and their impacts. *Lecture Notes in Computer Science*, 671:347–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schmidt:1993:TRN

[309] Renate A. Schmidt. Terminological representation, natural language and relation algebra. *Lecture Notes in Computer Science*, 671:357–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lux:1993:LHI

[310] Andreas Lux and Michael Kolb. Linking humans and intelligent systems or: What are user agents good for? *Lecture Notes in Computer Science*, 671: 372–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kindler:1993:AMA

[311] H. Kindler, D. Densow, and T. M. Fliedner. An advisor for the management of the acute radiation syndrome. *Lecture Notes in Computer Science*, 671:386–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barak:1993:MDO

[312] Amnon Barak, Shai Guday, and Richard G. Wheeler. The MOSIX distributed operating system: Load balancing for UNIX. *Lecture Notes in Computer Science*, 672:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chehaibar:1993:ROI

[313] G. Chehaibar. Replacement of open interface subnets and stable state transformation equivalence. *Lecture Notes in Computer Science*, 674:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cherkasova:1993:BSS

[314] L. Cherkasova, R. R. Howell, and L. E. Rosier. Bounded self-stabilizing Petri nets. *Lecture Notes in Computer Science*, 674:26–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Couvreur:1993:GFP

[315] J. M. Couvreur, S. Haddad, and J. F. Peyre. Generative families of positive invariants in coloured nets subclasses. *Lecture Notes in Computer Science*, 674:51–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

David:1993:ATC

[316] R. David and H. Alla. Autonomous and timed continuous Petri ness. *Lecture Notes in Computer Science*, 674:71–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Evans:1993:DPN

[317] J. B. Evans. The devnet: a Petri net for discrete event simulation. *Lecture Notes in Computer Science*, 674:91–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ezpeleta:1993:NTF

[318] J. Ezpeleta, J. M. Couvreur, and M. Silva. A new technique for finding a generating family of siphons, traps and ST-Components. application to colored Petri nets. *Lecture Notes in Computer Science*, 674:126–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fehling:1993:CHP

[319] R. Fehling. A concept of hierarchical Petri nets with building blocks. *Lecture Notes in Computer Science*, 674: 148–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feldbrugge:1993:PNT

[320] F. Feldbrugge. Petri net tool overview 1992. *Lecture Notes in Computer Science*, 674:169–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Finkel:1993:MCG

[321] A. Finkel. The minimal coverability graph for Petri nets. *Lecture Notes in Computer Science*, 674:210–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gorrieri:1993:DIC

[322] R. Gorrieri and U. Montanari. Distributed implementation of CCS. *Lecture Notes in Computer Science*, 674: 244–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gouet:1993:SCS

[323] R. Gouet, F. Plo, M. San Miguel, and B. Ycart. Saturation conditions for stochastic Petri nets. *Lecture Notes in Computer Science*, 674:267–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Laftit:1993:MOT

[324] S. Laftit, J. M. Proth, and X. L. Xie. Marking optimization in timed event graphs. *Lecture Notes in Computer Science*, 674:281–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lindqvist:1993:PRT

[325] M. Lindqvist. Parameterized reachability trees for predicate/transition nets. *Lecture Notes in Computer Science*, 674:301–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Li:1993:IDA

[326] Y. Li and C. Murray Woodside. Iterative decomposition and aggregation of stochastic marked graph Petri nets. *Lecture Notes in Computer Science*, 674:325–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeMichelis:1993:CEC

[327] G. De Michelis. Constraints and extensions in a calculus of EN systems. *Lecture Notes in Computer Science*, 674:350–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smith:1993:COM

[328] E. Smith. Comparability orders and measurement. *Lecture Notes in Computer Science*, 674:371–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Souissi:1993:DSS

[329] Y. Souissi. Deterministic systems of sequential processes: a class of structured Petri nets. *Lecture Notes in Computer Science*, 674:406–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Valmari:1993:CSS

[330] A. Valmari. Compositional state space generation. *Lecture Notes in Computer Science*, 674:427–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mulkers:1993:LDS

[331] Anne Mulkers. Live data structures in logic programs: Derivation by means of abstract interpretation. *Lecture Notes in Computer Science*, 675:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reiss:1993:RPO

[332] Thomas H. Reiss. Recognizing planar objects using invariant image features. *Lecture Notes in Computer Science*, 676:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Makanin:1993:GSE

[333] G. S. Makanin. On general solution of equations in a free semigroup. *Lecture Notes in Computer Science*, 677:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Choffrut:1993:CFI

[334] C. Choffrut. Conjugacy in free inverse monoids. *Lecture Notes in Computer Science*, 677:6–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baader:1993:GAU

[335] F. Baader and K. U. Schulz. General A- and AX-Unification via optimized combination procedures. *Lecture Notes in Computer Science*, 677:23–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Charatonik:1993:WET

[336] W. Charatonik and L. Pacholski. Word equations with two variables. *Lecture Notes in Computer Science*, 677:43–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dehornoy:1993:NPL

[337] P. Dehornoy. The naming problem for left distributivity. *Lecture Notes in Computer Science*, 677:57–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Enjalbert:1993:CTA

[338] P. Enjalbert and F. Clerin-Debart. A case of termination for associative unification. *Lecture Notes in Computer Science*, 677:79–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bennaceur:1993:TPC

[339] H. Bennaceur and G. Plateau. Theorem proving by combinatorial optimization. *Lecture Notes in Computer Science*, 677:90–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Auer:1993:SSE

[340] P. Auer. Solving string equations with constant restrictions. *Lecture Notes in Computer Science*, 677:103–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abdulrab:1993:LTN

[341] H. Abdulrab. LOP: Toward a new implementation of Makanin's algorithm.

Lecture Notes in Computer Science, 677:133–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schulz:1993:WUT

[342] K. U. Schulz. Word unification and transformation of generalized equations. *Lecture Notes in Computer Science*, 677:150–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Auer:1993:UCD

[343] P. Auer. Unification in the combination of disjoint theories. *Lecture Notes in Computer Science*, 677:177–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Neraud:1993:SRT

[344] J. Neraud. On the subsets of rank two in a free monoid: A fast decision algorithm. *Lecture Notes in Computer Science*, 677:187–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kounalis:1993:SCP

[345] E. Kounalis, D. Lugiez, and L. Pottier. A solution of the complement problem in associative-commutative theories. *Lecture Notes in Computer Science*, 677:197–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Valiant:1993:CMP

[346] Leslie G. Valiant. A combining mechanism for parallel computers. *Lecture Notes in Computer Science*, 678:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vishkin:1993:CPS

[347] Uzi Vishkin. A case for the PRAM as a standard programmer's model. *Lecture Notes in Computer Science*, 678:11–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

AufDerHeide:1993:HSS

[348] Friedhelm Meyer Auf Der Heide. Hashing strategies for simulating shared memory on distributed memory machines. *Lecture Notes in Computer Science*, 678:20–29, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rosenberg:1993:BPA

[349] Arnold L. Rosenberg. Better parallel architectures via emulations. *Lecture Notes in Computer Science*, 678:30–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cosnard:1993:RBM

[350] Michel Cosnard and Pascal Koiran. Relations between models of parallel abstract machines. *Lecture Notes in Computer Science*, 678:37–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Preparata:1993:FPC

[351] Franco P. Preparata. Frontiers of parallel computing. *Lecture Notes in Computer Science*, 678:47–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Formella:1993:CED

[352] Arno Formella, Werner Massonne, and Wolfgang J. Paul. Cost effectiveness

of data flow machines and vector processors. *Lecture Notes in Computer Science*, 678:48–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leiserson:1993:NCM

[353] Charles E. Leiserson. The networks of the connection machine CM-5. *Lecture Notes in Computer Science*, 678:66–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Johnsson:1993:MPC

[354] S. Lennart Johnsson. Massively parallel computing: Data distribution and communication. *Lecture Notes in Computer Science*, 678:68–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Monien:1993:REP

[355] Burkhard Monien, Reinhard Luling, and Falk Langhammer. A realizable efficient parallel architecture. *Lecture Notes in Computer Science*, 678:93–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rudolph:1993:HSC

[356] Larry Rudolph. Hardware support for collective communication operations. *Lecture Notes in Computer Science*, 678:110–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertin:1993:PAM

[357] Patrice Bertin, Didier Roncin, and Jean Vuillemin. Programmable active memories: A performance assessment. *Lecture Notes in Computer Science*, 678:119–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leighton:1993:RRD

[358] Tom Leighton and Bruce Maggs. The role of randomness in the design of interconnection networks. *Lecture Notes in Computer Science*, 678:131–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Snyder:1993:CRF

[359] Lawrence Snyder. Chaos router: Finally, a practical adaptive router? *Lecture Notes in Computer Science*, 678:146–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Felperin:1993:ESW

[360] Sergio Felperin, Prabhakar Raghavan, and Eli Upfal. An experimental study of wormhole routing in parallel computers. *Lecture Notes in Computer Science*, 678:156–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Luccio:1993:TNC

[361] Fabrizio Luccio, Linda Pagli, and Geppino Pucci. Three non conventional paradigms of parallel computation. *Lecture Notes in Computer Science*, 678:166–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Snir:1993:SPC

[362] Marc Snir. Scalable parallel computers and scalable parallel codes: From theory to practice. *Lecture Notes in Computer Science*, 678:176–??, 1993.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ranade:1993:FAL

[363] Abhiram Ranade. A framework for analyzing locality and portability issues in parallel computing. *Lecture Notes in Computer Science*, 678:185–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mayr:1993:OIG

[364] Ernst W. Mayr and Ralph Werchner. Optimal implementation of general divide-and-conquer on the hypercube and related networks. *Lecture Notes in Computer Science*, 678:195–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Annexstein:1993:PIG

[365] Fred S. Annexstein. Parallel implementations of graph embeddings. *Lecture Notes in Computer Science*, 678:207–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heydari:1993:SPR

[366] Mohammad H. Heydari and I. Hal Sudborough. On sorting by prefix reversals and the diameter of pancake networks. *Lecture Notes in Computer Science*, 678:218–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:I

[367] Anonymous. Introduction. *Lecture Notes in Computer Science*, 679:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:T

[368] Anonymous. Terminology. *Lecture Notes in Computer Science*, 679:6–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:SCR

[369] Anonymous. Semantic clash resolution as decision procedure. *Lecture Notes in Computer Science*, 679:17–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:COR

[370] Anonymous. Completeness of ordering refinements. *Lecture Notes in Computer Science*, 679:60–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:STB

[371] Anonymous. Semantic tree based resolution variants. *Lecture Notes in Computer Science*, 679:93–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:DCK

[372] Anonymous. Deciding the class K by an ordering refinement. *Lecture Notes in Computer Science*, 679:130–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:RBM

[373] Anonymous. A resolution based method for building finite models. *Lecture Notes in Computer Science*, 679: 151–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:A

[374] Anonymous. Applications. *Lecture Notes in Computer Science*, 679:180–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:R

[375] Anonymous. References. *Lecture Notes in Computer Science*, 679:198–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoffmann:1993:PDS

[376] Berthold Hoffmann and Bernd Krieg-Bruckner. Program development by specification and transformation. the PROSPECTRA methodology, language family, and system. *Lecture Notes in Computer Science*, 680:3–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wansing:1993:LIS

[377] Heinrich Wansing. The logic of information structures. *Lecture Notes in Computer Science*, 681:1–158, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dubois:1993:PA

[378] D. Dubois and H. Prade. Possibilistic abduction. *Lecture Notes in Computer Science*, 682:3–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cayrol:1993:MPA

[379] C. Cayrol, V. Royer, and C. Saurel. Management of preferences in assumption-based reasoning. *Lecture Notes in Computer Science*, 682:13–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coupey:1993:DEK

[380] P. Coupey. Default exclusion in a KL-ONE-Like terminological component. *Lecture Notes in Computer Science*, 682:23–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moinard:1993:UVA

[381] Y. Moinard. Unifying various approaches to default logic. *Lecture Notes in Computer Science*, 682:33–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cussens:1993:UME

[382] J. Cussens and A. Hunter. Using maximum entropy in a defeasible logic with probabilistic semantics. *Lecture Notes in Computer Science*, 682:43–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Madani:1993:LIN

[383] N. Madani. Legality in inheritance networks. *Lecture Notes in Computer Science*, 682:53–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Monserrat:1993:NIS

[384] M. Monserrat, F. Rossello, and J. Torrens. A note on information systems associated to termal algebras. *Lecture Notes in Computer Science*, 682:63–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferney:1993:BCR

[385] D. Ferney and A. Quilliot. A backward chaining resolution process involving non-monotonic operators. *Lecture Notes in Computer Science*, 682: 73–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Trillas:1993:FCG

[386] E. Trillas. On fuzzy conditionals generalising the material conditional. *Lecture Notes in Computer Science*, 682: 85–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tamburrini:1993:IRL

[387] G. Tamburrini and S. Termini. Integrating resolution-like procedures with Łukasiewicz implication. *Lecture Notes in Computer Science*, 682:101–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krause:1993:DLA

[388] P. Krause, S. Ambler, and J. Fox. The development of a "logic of argumentation". *Lecture Notes in Computer Science*, 682:109–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arnould:1993:AO

[389] T. Arnould and A. Ralescu. From "and" to "or". *Lecture Notes in Computer Science*, 682:119–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eberbach:1993:RST

[390] E. Eberbach and A. Trudel. Representing spatial and temporal uncertainty. *Lecture Notes in Computer Science*, 682:129–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rodriguez:1993:ATR

[391] R. V. Rodriguez and F. D. Anger. An analysis of the temporal relations of intervals in relativistic space-time. *Lecture Notes in Computer Science*, 682: 139–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Casasnovas:1993:AIF

[392] J. Casasnovas and J. J. Miro-Julia. Accumulation and inference over finite-generated algebras for mapping approximations. *Lecture Notes in Computer Science*, 682:149–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonissone:1993:SMC

[393] P. P. Bonissone and S. Ayub. Similarity measures for case-based reasoning systems. *Lecture Notes in Computer Science*, 682:161–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sutherland:1993:SML

[394] A. Sutherland, R. Henery, R. Molina, C. C. Taylor, and R. King. Statistical methods in learning. *Lecture Notes in Computer Science*, 682:173–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kacprzyk:1993:LEE

[395] J. Kacprzyk and C. Iwanski. Learning from erroneous examples using fuzzy logic and "textbook" knowledge. *Lecture Notes in Computer Science*, 682: 183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arigoni:1993:ILR

[396] A. O. Arigoni, C. Furlanello, and V. Maniezzo. Incremental learning of roughly represented concepts. *Lecture Notes in Computer Science*, 682:192–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nagib:1993:SOQ

[397] G. Nagib, W. Gharieb, and Z. Binder. Self-organizing qualitative multimodel control. *Lecture Notes in Computer Science*, 682:199–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bordeaux:1993:MHL

[398] F. Bordeaux, F. Forest, and B. Grau. MoHA, an hybrid learning model: A model based on the perception of the environment by an individual. *Lecture Notes in Computer Science*, 682:209–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fiol:1993:NPI

[399] G. Fiol, J. Miro-Nicolau, and J. Miro-Julia. A new perspective in the inductive acquisition of knowledge from examples. *Lecture Notes in Computer Science*, 682:219–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ruiz:1993:KRT

[400] I. Luque Ruiz, J. L. Cruz Soto, and M. A. Gomez-Nieto. Knowledge representation through object in the development of expert system chemical synthesis and reaction. *Lecture Notes in Computer Science*, 682:229–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yager:1993:HRF

[401] R. R. Yager. Hierarchical representation of fuzzy If-Then rules. *Lecture Notes in Computer Science*, 682:239–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Spilski-Petieau:1993:ARE

[402] A. M. Spilski-Petieau and D. Willaeys. Approximate reasoning in expert systems: Inference and combination tools. *Lecture Notes in Computer Science*, 682:248–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kohout:1993:MIB

[403] L. J. Kohout and W. Bandler. Modes of interval-based plausible reasoning viewed via the checklist paradigm. *Lecture Notes in Computer Science*, 682: 256–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cardona:1993:RBS

[404] L. Cardona, J. Kohlas, and P. A. Monney. Rule-based systems with unreliable conditions. *Lecture Notes in*

Computer Science, 682:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Quevedo:1993:FSE

[405] J. Quevedo, C. Gilbert Oliveras, and J. Aguilar-Martin. Fuzzy semantics in expert process control. *Lecture Notes in Computer Science*, 682:275–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rakoto-Ravalontsalama:1993:QOP

[406] N. Rakoto-Ravalontsalama, A. Missier, and J. S. Kikkert. Qualitative operators and process engineer semantics of uncertainty. *Lecture Notes in Computer Science*, 682:284–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sawadogo:1993:FUM

[407] S. Sawadogo, A. K. Achaibou, and F. Mora-Camino. Facing uncertainty in the management of large irrigation systems: Qualitative approach. *Lecture Notes in Computer Science*, 682: 294–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Oleary:1993:SAE

[408] D. E. O'leary. Semantic ambiguity in expert systems: The case of deterministic systems. *Lecture Notes in Computer Science*, 682:304–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Casasnovas:1993:DRA

[409] J. Casasnovas. A deduction rule for the approximated knowledge of a mapping. *Lecture Notes in Computer Science*, 682:314–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feruglio:1993:KBR

[410] G. Valiente Feruglio. On knowledge base redundancy under uncertain reasoning. *Lecture Notes in Computer Science*, 682:321–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aguilar-Crespo:1993:FLA

[411] J. A. Aguilar-Crespo, E. De Pablo, and X. Alaman. A fuzzy logic approach for sensor validation in real time expert systems. *Lecture Notes in Computer Science*, 682:330–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Glorennec:1993:ANF

[412] P. Y. Glorennec, C. Barret, and M. Brunet. Application of neuro-fuzzy networks to the identification and control of nonlinear dynamical systems. *Lecture Notes in Computer Science*, 682:341–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Martinez:1993:CBA

[413] C. Hervas Martinez, E. J. Romero Soto, N. Garcia Pedrajas, and R. Medina Carnicer. Comparison between artificial neural networks and classical statistical methods in pattern recognition. *Lecture Notes in Computer Science*, 682:351–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amghar:1993:LMO

[414] S. Amghar, H. Paugam-Moisy, and J. P. Royet. Learning methods for odor recognition modeling. *Lecture Notes in Computer Science*, 682:361–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Poncelet:1993:CSU

[415] P. Poncelet and L. Lakhal. Consistent structural updates for object database design. *Lecture Notes in Computer Science*, 685:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ewald:1993:PAS

[416] C. A. Ewald and M. E. Orlowska. A procedural approach to schema evolution. *Lecture Notes in Computer Science*, 685:22–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bellahsene:1993:AMM

[417] Z. Bellahsene. An active meta-model for knowledge evolution in an object-oriented database. *Lecture Notes in Computer Science*, 685:39–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Thieme:1993:SIO

[418] C. Thieme and A. Siebes. Schema integration in object-oriented databases. *Lecture Notes in Computer Science*, 685:54–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Johannesson:1993:STA

[419] P. Johannesson. Schema transformations as an aid in view integration. *Lecture Notes in Computer Science*, 685:71–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Perrin:1993:TMP

[420] O. Perrin and N. Boudjlida. Towards a model for persistent data integration. *Lecture Notes in Computer Science*, 685:93–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gulla:1993:UEI

[421] J. A. Gulla and G. Willumsen. Using explanations to improve the validation of executable models. *Lecture Notes in Computer Science*, 685:118–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lalioti:1993:VV

[422] V. Lalioti and P. Loucopoulos. Visualisation for validation. *Lecture Notes in Computer Science*, 685:143–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lindland:1993:VCM

[423] O. I. Lindland and J. Krogstie. Validating conceptual models by transformational prototyping. *Lecture Notes in Computer Science*, 685:165–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blazy:1993:PES

[424] S. Blazy and P. Facon. Partial evaluation and symbolic computation

for the understanding of Fortran programs. *Lecture Notes in Computer Science*, 685:184–198, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Piprani:1993:MMA

[425] C. B. Piprani and R. B. Morris. A multi-model approach for deriving requirements specifications for a mega-project. *Lecture Notes in Computer Science*, 685:199–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Breu:1993:BMA

[426] M. Breu, G. Leonardi, B. Percie du Sert, L. Barengo, M. Pfeiffer, and J.-C. Utter. The BOS-Method architecture: An improved structured approach for the development of distributed information systems. *Lecture Notes in Computer Science*, 685:221–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chung:1993:DSR

[427] L. Chung. Dealing with security requirements during the development of information systems. *Lecture Notes in Computer Science*, 685:234–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dubois:1993:EFR

[428] E. Dubois, P. Du Bois, and M. Petit. Elicitating and formalising requirements for C.I.M information systems. *Lecture Notes in Computer Science*, 685:252–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pohl:1993:TDR

[429] K. Pohl. The three dimensions of requirements engineering. *Lecture Notes in Computer Science*, 685:275–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brunet:1993:OOA

[430] J. Brunet, C. Cauvet, D. Meddahi, and F. Semmak. Object-oriented analysis in practice. *Lecture Notes in Computer Science*, 685:293–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Opdahl:1993:CRW

[431] A. L. Opdahl and G. Sindre. Concepts for real-world modelling. *Lecture Notes in Computer Science*, 685:309–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Seltveit:1993:ABR

[432] A. H. Seltveit. An abstraction-based rule approach to large-scale information systems development. *Lecture Notes in Computer Science*, 685:328–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Motschnig-Pitrik:1993:SPV

[433] R. Motschnig-Pitrik. The semantics of parts versus aggregates in data/knowledge modelling. *Lecture Notes in Computer Science*, 685:352–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Quer:1993:OIO

[434] C. Quer and A. Olive. Object interaction in object-oriented deductive conceptual models. *Lecture Notes in Computer Science*, 685:374–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Edelweiss:1993:OOT

[435] N. Edelweiss, J. P. M. de Oliveira, and B. Pernici. An object-oriented temporal model. *Lecture Notes in Computer Science*, 685:397–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kraiem:1993:OOD

[436] N. Kraiem, F. Gargouri, and F. Boufares. From object-oriented design towards object-oriented programming. *Lecture Notes in Computer Science*, 685:416–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

McCormack:1993:AMC

[437] J. J. McCormack, T. A. Halpin, and P. R. Ritson. Automated mapping of conceptual schemas to relational schemas. *Lecture Notes in Computer Science*, 685:432–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andonoff:1993:NOO

[438] E. Andonoff. Normalization of object-oriented conceptual schemes. *Lecture Notes in Computer Science*, 685:449–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vlachantonis:1993:TRI

[439] N. Vlachantonis, R. Herzig, M. Gogolla, G. Denker, S. Conrad, and H.-D. Ehrich. Towards reliable information systems: The KorSo approach. *Lecture Notes in Computer Science*, 685:463–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Spanoudakis:1993:SAS

[440] G. Spanoudakis and P. Constantopoulos. Similarity for analogical software reuse: A conceptual modelling approach. *Lecture Notes in Computer Science*, 685:483–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeAntonellis:1993:TAR

[441] V. De Antonellis and L. Vandoni. Temporal aspects in reuse of requirement specifications. *Lecture Notes in Computer Science*, 685:504–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brockers:1993:CAV

[442] A. Brockers and V. Gruhn. Computer-aided verification of software process model properties. *Lecture Notes in Computer Science*, 685:521–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Croshere:1993:AFS

[443] R. Croshere, R. Van de Riet, and A. Blom. An animation facility to simulate an information and communication system. *Lecture Notes in Computer Science*, 685:547–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Palanque:1993:DUD

[444] P. A. Palanque, R. Bastide, L. Dourte, and C. Sibertin-Blanc. Design of user-driven interfaces using Petri nets and objects. *Lecture Notes in Computer Science*, 685:569–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Prevelakis:1993:PSD

[445] V. Prevelakis and D. Tsichritzis. Perspectives on software development environments. *Lecture Notes in Computer Science*, 685:586–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1993:OOD

[446] B. Wang, P. Hitchcock, and T. Holden. An object-oriented database approach for supporting hypertext. *Lecture Notes in Computer Science*, 685:601–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Puigjaner:1993:EPP

[447] R. Puigjaner, A. Benzekri, S. Ayache, et al. Estimation process of performance constraints during the design of real-time and embedded systems. *Lecture Notes in Computer Science*, 685:629–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Breu:1993:WDM

[448] M. Breu, S. Brinkkemper, M. Franckson, H. Habrias, T. Halpin, and P. Loucopoulos. Will IS development methods be completely incorporated in CASE tools in the future? *Lecture Notes in Computer Science*, 685:649–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leibovic:1993:BNC

[449] K. N. Leibovic. Biophysics of neural computation (invited paper). *Lecture Notes in Computer Science*, 686:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Corbacho:1993:ILR

[450] F. J. Corbacho and M. A. Arbib. Integrated learning in Rana Computatrix. *Lecture Notes in Computer Science*, 686:12–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Murciano:1993:MCV

[451] A. Murciano, J. Zamora, and M. Reviriego. A model for centering visual stimuli through adaptive value learning. *Lecture Notes in Computer Science*, 686:20–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andrade:1993:MDN

[452] M. A. Andrade and F. Moran. A model for the development of neurons selective to visual stimulus size. *Lecture Notes in Computer Science*, 686:24–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moreno-Diaz:1993:IRM

[453] R. Moreno-Diaz and O. Bolivar Toledo. An invariant representation mechanism after presynaptic inhibition. *Lecture Notes in Computer Science*, 686:30–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sanchez-Andres:1993:PBC

[454] J. V. Sanchez-Andres and B. Soria. The pancreatic B-cell as a voltage-controlled oscillator. *Lecture Notes in Computer Science*, 686:37–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoekstra:1993:ASD

[455] J. Hoekstra. Approximation of the solution of the dendritic cable equation by a small series of coupled differential equations. *Lecture Notes in Computer Science*, 686:43–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pelaez:1993:NNM

[456] J. Ropero Pelaez. A neural network model inspired in global appreciations about the thalamic reticular nucleus and cerebral cortex connectivity. *Lecture Notes in Computer Science*, 686:49–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mira:1993:TMR

[457] J. Mira, A. E. Delgado, J. R. Alvarez, A. P. de Madrid, and M. Santos. Towards more realistic self contained models of neurons: High-order, recurrence and local learning. *Lecture Notes in Computer Science*, 686:55–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Scott:1993:MNR

[458] R. J. Scott. McCulloch's neurons revisited. *Lecture Notes in Computer Science*, 686:63–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Petkov:1993:BMA

[459] N. Petkov, P. Kruizinga, and T. Lourens. Biologically motivated approach to face recognition. *Lecture Notes in Computer Science*, 686:68–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vico:1993:LRP

[460] F. J. Vico, F. Sandoval, and J. Almaraz. Learning by reinforcement: A psychobiological model. *Lecture Notes in Computer Science*, 686:78–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aleksander:1993:NSM

[461] I. Aleksander and H. Morton. A neural state machine for iconic language representation. *Lecture Notes in Computer Science*, 686:84–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lopez-Moliner:1993:VBU

[462] J. Lopez-Moliner and J. M. Sopena. Variable binding using serial order in recurrent neural networks. *Lecture Notes in Computer Science*, 686:90–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castillo:1993:RIR

[463] F. Castillo, J. Cabestany, and J. M. Moreno. Region of influence (ROI) networks. model and implementation. *Lecture Notes in Computer Science*, 686: 96–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huning:1993:NSA

[464] H. Huning. A node splitting algorithm that reduces the number of connections in a Hamming distance classifying network. *Lecture Notes in Computer Science*, 686:102–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aligue:1993:HON

[465] F. J. Lopez Aligue, M. I. Acevedo Sotoca, and M. A. Jaramillo Moran. A high order neural model. *Lecture Notes in Computer Science*, 686:108–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bofill:1993:HON

[466] P. Bofill and C. Torras. Higher-order networks for the optimization of block designs. *Lecture Notes in Computer Science*, 686:114–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jutten:1993:NBC

[467] C. Jutten and P. Comon. Neural Bayesian classifier. *Lecture Notes in Computer Science*, 686:119–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gentric:1993:CMN

[468] P. Gentric and H. C. A. M. Withagen. Constructive methods for a new classifier based on a radial-basis-function neural network accelerated by a tree. *Lecture Notes in Computer Science*, 686:125–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lemarie:1993:PRR

[469] B. Lemarie. Practical realization of a radial basis function network for handwritten digit recognition. *Lecture Notes in Computer Science*, 686:131–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hubert:1993:DFP

[470] C. Hubert. Design of fully and partially connected random neural networks for pattern completion. *Lecture Notes in Computer Science*, 686:137–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alquezar:1993:RRR

[471] R. Alquezar and A. Sanfeliu. Representation and recognition of regular grammars by means of second-order recurrent neural networks. *Lecture Notes in Computer Science*, 686:143–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Santos:1993:CMS

[472] J. Santos and R. P. Otero. Connectionist models for syllabic recognition in the time domain. *Lecture Notes in Computer Science*, 686:149–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liu:1993:SIA

[473] D. Liu and A. N. Michel. Sparsely interconnected artificial neural networks for associative memories. *Lecture Notes in Computer Science*, 686:155–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arenas:1993:DAN

[474] A. Arenas and C. J. Perez Vicente. Dynamic analysis of networks of neural oscillators. *Lecture Notes in Computer Science*, 686:161–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Burkitt:1993:OAN

[475] A. N. Burkitt. Optimised attractor neural networks with external inputs. *Lecture Notes in Computer Science*, 686:167–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weigl:1993:NOB

[476] K. Weigl and M. Berthod. Non-orthogonal bases and metric tensors: An application to artificial neural networks. *Lecture Notes in Computer Science*, 686:173–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Marin:1993:GSD

[477] F. J. Marin and F. Sandoval. Genetic synthesis of discrete-time recurrent neural network. *Lecture Notes in Computer Science*, 686:179–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Merelo:1993:OCL

[478] J. J. Merelo, M. Paton, A. Canas, A. Prieto, and F. Moran. Optimization of a competitive learning neural network by genetic algorithms. *Lecture Notes in Computer Science*, 686: 185–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ligomenides:1993:AMN

[479] P. A. Ligomenides. Adaptive models in neural networks. *Lecture Notes in Computer Science*, 686:193–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mannes:1993:SOG

[480] C. Mannes. Self-organizing grammar induction using a neural network model. *Lecture Notes in Computer Science*, 686:198–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tambouratzis:1993:RFE

[481] G. Tambouratzis and T. J. Stonham. The role of forgetting in efficient learning strategies for self-organising discriminator-based systems. *Lecture Notes in Computer Science*, 686:204–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castano:1993:SSR

[482] M. A. Castano, F. Casacuberta, and E. Vidal. Simulation of stochastic regular grammars through simple recurrent networks. *Lecture Notes in Computer Science*, 686:210–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grana:1993:LSC

[483] M. Grana, A. D'Anjou, F. X. Albizuri, F. J. Torrealdea, and M. C. Hernandez. Local stochastic competition and vector quantization. *Lecture Notes in Computer Science*, 686:216–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ramirez:1993:MEC

[484] J. M. Ramirez. MHC — an evolutive connectionist model for hybrid training. *Lecture Notes in Computer Science*, 686:223–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aizenberg:1993:FCL

[485] N. N. Aizenberg and I. N. Aizenberg. Fast-convergence learning algorithms for multi-level and binary neurons and solution of some image processing problems. *Lecture Notes in Computer Science*, 686:230–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ito:1993:IOR

[486] K. Ito, M. Hamamoto, J. Kamruzzaman, and Y. Kumagai. Invariant object recognition using Fahlman and Lebiere's learning algorithm. *Lecture Notes in Computer Science*, 686:237–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hamamoto:1993:RSC

[487] M. Hamamoto, K. Ito, J. Kamruzzaman, and Y. Kumagai. Realization of surjective correspondence in artificial neural network trained by Fahlman and Lebiere's learning algorithm. *Lecture Notes in Computer Science*, 686:243–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Slade:1993:BDR

[488] P. Slade and T. D. Gedeon. Bimodal distribution removal. *Lecture Notes in Computer Science*, 686:249–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guazzelli:1993:SAA

[489] A. Guazzelli, D. Barone, and E. C. de B. Carvalho Filho. A simplified Artmap architecture for real-time learning. *Lecture Notes in Computer Science*, 686:255–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Langlois:1993:BLR

[490] T. Langlois and S. Canu. B-learning: A reinforcement learning algorithm, comparison with dynamic programming. *Lecture Notes in Computer Science*, 686:261–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cloete:1993:ICT

[491] I. Cloete and J. Ludik. Increased complexity training. *Lecture Notes in Computer Science*, 686:267–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moreno:1993:OLI

[492] J. M. Moreno, F. Castillo, and J. Cabestany. Optimized learning for improving the evolution of piecewise linear separation incremental algorithms. *Lecture Notes in Computer Science*, 686:272–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pelillo:1993:MPL

[493] M. Pelillo and A. M. Fanelli. A method of pruning layered feed-forward neural networks. *Lecture Notes in Computer*

Science, 686:278–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Crespo:1993:TDR

[494] J. L. Crespo and E. Mora. Tests of different regularization terms in small networks. *Lecture Notes in Computer Science*, 686:284–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yin:1993:DFS

[495] H. Yin and N. M. Allinson. On the distribution of feature space in self-organising mapping and convergence accelerating by a Kalman algorithm. *Lecture Notes in Computer Science*, 686:291–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Martin-Smith:1993:LAO

[496] P. Martin-Smith, F. J. Pelayo, A. Diaz, J. Ortega, and A. Prieto. A learning algorithm to obtain self-organizing maps using fixed neighbourhood Kohonen networks. *Lecture Notes in Computer Science*, 686:297–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cottrell:1993:ACT

[497] M. Cottrell, P. Letremy, and E. Roy. Analysing a contingency table with Kohonen maps: A factorial correspondence analysis. *Lecture Notes in Computer Science*, 686:305–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Der:1993:DSO

[498] R. Der and T. Villmann. Dynamics of self-organized feature mapping. *Lecture Notes in Computer Science*, 686: 312–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wann:1993:CSS

[499] C.-D. Wann and S. C. A. Thomopoulos. Comparative study of self-organizing neural networks. *Lecture Notes in Computer Science*, 686:316–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

White:1993:GGA

[500] D. White and P. Ligomenides. GANNet: A genetic algorithm for optimizing topology and weights in neural network design. *Lecture Notes in Computer Science*, 686:322–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Demartines:1993:VQP

[501] P. Demartines and J. Herault. Vector quantization and projection neural network. *Lecture Notes in Computer Science*, 686:328–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Perez:1993:CDL

[502] J.-C. Perez and E. Vidal. Constructive design of LVQ and DSM classifiers. *Lecture Notes in Computer Science*, 686:334–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Verleysen:1993:LVC

[503] M. Verleysen, P. Thissen, and J.-D. Legat. Linear vector classification: An improvement on LVQ algorithms to create classes of patterns. *Lecture Notes in Computer Science*, 686:340–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1993:NGA

[504] Z. Wang. Non-greedy adaptive vector quantizers. *Lecture Notes in Computer Science*, 686:346–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Treleaven:1993:HPE

[505] P. C. Treleaven and P. V. Rocha. Hybrid programming environments (invited paper). *Lecture Notes in Computer Science*, 686:351–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dreiseitl:1993:AGC

[506] S. Dreiseitl and D. Wang. Automatic generation of C++ code for neural network simulation. *Lecture Notes in Computer Science*, 686:358–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fuentes:1993:UOO

[507] L. Fuentes, J. F. Aldana, and J. M. Troya. URANO: An object-oriented artificial neural network simulation tool. *Lecture Notes in Computer Science*, 686:364–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beaudot:1993:RST

[508] W. Beaudot, P. Palagi, and J. Herault. Realistic simulation tool for early visual processing including space, time and colour data. *Lecture Notes in Computer Science*, 686:370–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Burdorf:1993:LSS

[509] C. Burdorf. Language supported storage and reuse of persistent neural network objects. *Lecture Notes in Computer Science*, 686:376–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Taylor:1993:FOE

[510] J. C. Taylor, M. L. Recce, and A. S. Mangat. Flexible operating environment for matrix based neurocomputers. *Lecture Notes in Computer Science*, 686:382–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Filippi:1993:PIK

[511] E. Filippi and J. C. Lawson. A parallel implementation of Kohonen's self-organizing maps on the smart neurocomputer. *Lecture Notes in Computer Science*, 686:388–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilke:1993:SNN

[512] P. Wilke. Simulation of neural networks in a distributed computing environment using NeuroGraph. *Lecture Notes in Computer Science*, 686:394–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alba:1993:FAA

[513] E. Alba, J. F. Aldana, and J. M. Troya. Full automatic ANN design: A genetic approach. *Lecture Notes in Computer Science*, 686:399–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DelCorso:1993:HIA

[514] D. Del Corso. Hardware implementations of artificial neural networks (invited paper). *Lecture Notes in Computer Science*, 686:405–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chiaberge:1993:NNC

[515] M. Chiaberge, D. Del Corso, F. Gregoretti, and L. M. Reyneri. A neural network chip using CPWM modulation. *Lecture Notes in Computer Science*, 686:420–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carrabina:1993:HIN

[516] J. Carrabina, F. Lisa, V. Gaitan, L. Garrido, and E. Valderrama. Hardware implementation of a neural network for high energy physics application. *Lecture Notes in Computer Science*, 686:426–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ortega:1993:MAP

[517] J. Ortega, F. J. Pelayo, A. Prieto, B. Pino, and C. G. Puntonet. MapA: An array processor architecture for neural networks. *Lecture Notes in Computer Science*, 686:432–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Regueiro:1993:LCM

[518] C. V. Regueiro, S. Barro, and A. Yanez. Limitation of connectionism in MLP. *Lecture Notes in Computer Science*, 686:441–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nigri:1993:HLS

[519] M. E. Nigri and P. C. Treleaven. High level synthesis of neural network chips. *Lecture Notes in Computer Science*, 686:448–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sumpter:1993:NNS

[520] B. G. Sumpter, R. E. Guenther, C. Halloy, C. Getino, and D. W. Noid. Neural network simulations on massively parallel computers: Applications in chemical physics. *Lecture Notes in Computer Science*, 686:454–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Naylor:1993:MBA

[521] D. Naylor and S. Jones. A model based approach to the performance analysis of multi-layer networks realised in linear systolic arrays. *Lecture Notes in Computer Science*, 686:459–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Christodoulou:1993:TNL

[522] C. Christodoulou, G. Bugmann, T. G. Clarkson, and J. G. Taylor. The temporal noisy-leaky integrator neuron with additional inhibitory inputs. *Lecture Notes in Computer Science*, 686:465–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Clarkson:1993:ASL

[523] T. G. Clarkson and C. K. Ng. Architectures for self-learning neural network modules. *Lecture Notes in Computer Science*, 686:471–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vellasco:1993:GNA

[524] M. M. B. R. Vellasco and P. C. Treleaven. The generic neuron architectural framework for the automatic generation of ASICs. *Lecture Notes in Computer Science*, 686:476–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pacheco:1993:RAS

[525] M. Pacheco and P. C. Treleaven. A RISC architecture to support neural net simulation. *Lecture Notes in Computer Science*, 686:482–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ruping:1993:HDS

[526] S. Ruping, U. Ruckert, and K. Goser. Hardware design for self-organizing feature maps with binary input vectors. *Lecture Notes in Computer Science*, 686:488–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lagunas:1993:KSP

[527] M. A. Lagunas, A. Perez-Neira, M. Najar, and A. Pages. The Kolmogorov signal processor (invited paper). *Lecture Notes in Computer Science*, 686: 494–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Joya:1993:PIP

[528] G. Joya and F. Sandoval. Projectivity invariant pattern recognition with high-order neural networks. *Lecture Notes in Computer Science*, 686:513–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smieja:1993:RIA

[529] F. J. Smieja. Rejection of incorrect answers from a neural net classifier. *Lecture Notes in Computer Science*, 686:519–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pantaleon-Prieto:1993:NTS

[530] C. J. Pantaleon-Prieto and A. R. Figueiras-Vidal. Nonlinear time series modeling by competitive segmentation of state space. *Lecture Notes in Computer Science*, 686:525–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Adam:1993:IPN

[531] O. Adam, J.-L. Zarader, and M. Milgram. Identification and prediction of non-linear models with recurrent neural network. *Lecture Notes in Computer Science*, 686:531–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rodriguez:1993:UUN

[532] M. J. Rodriguez, F. del Pozo, and M. T. Arredondo. Use of unsupervised neural networks for classification of blood pressure time series. *Lecture Notes in*

Computer Science, 686:536–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fernandez-Rodriguez:1993:AAN

[533] J. J. Fernandez-Rodriguez, A. Canas, E. Roca, F. J. Pelayo, J. Fernandez-Mena, and A. Prieto. Application of artificial neural networks to chest image classification. *Lecture Notes in Computer Science*, 686:542–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tuya:1993:CSO

[534] J. Tuya, E. Arias, L. Sanchez, and J. A. Corrales. Combination of self-organizing maps and multilayer perceptrons for speaker independent isolated word recognition. *Lecture Notes in Computer Science*, 686:550–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yahiaoui:1993:IAN

[535] G. Yahiaoui and B. Borocco. An industrial application of neural networks to natural textures classification. *Lecture Notes in Computer Science*, 686:556–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garrido:1993:ULN

[536] L. Garrido, V. Gaitan, M. Serra-Ricart, and X. Calbet. Use of a layered neural nets as a display method for N-dimensional distributions. *Lecture Notes in Computer Science*, 686:563–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lecourtier:1993:MMV

[537] Y. Lecourtier, B. Dorizzi, P. Sebire, and A. Ennaji. MLP modular versus YPREL classifiers. *Lecture Notes in Computer Science*, 686:569–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Patinel:1993:HMH

[538] J. Patinel, G. Leone, and M. Milgram. How many hidden neurons are needed to recognize a symmetrical pattern? *Lecture Notes in Computer Science*, 686:575–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cavalieri:1993:HNN

[539] S. Cavalieri, A. Di Stefano, and O. Mirabella. Hopfield neural network for routing. *Lecture Notes in Computer Science*, 686:583–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garcia-Lopera:1993:NNR

[540] A. Garcia-Lopera, A. Diaz Estrella, F. Garcia Oller, and F. Sandoval. Neural network routing controller for communication parallel multistage interconnection networks. *Lecture Notes in Computer Science*, 686:593–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Minot:1993:ARU

[541] J. Minot. Adaptive routing using cellular automata. *Lecture Notes in Computer Science*, 686:599–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cid-Sueiro:1993:OBE

[542] J. Cid-Sueiro, L. Weruaga, and A. R. Figueiras-Vidal. Optimal blind equalization of Gaussian channels. *Lecture Notes in Computer Science*, 686:605–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cammarata:1993:NPU

[543] G. Cammarata, S. Cavalieri, A. Fichera, and L. Marletta. Noise prediction in urban traffic by a neural approach. *Lecture Notes in Computer Science*, 686:611–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sako:1993:CAC

[544] H. Sako and H. J. Avi-Itzhak. A connectionist approach to the correspondence problem in computer vision. *Lecture Notes in Computer Science*, 686:620–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Natowicz:1993:SOF

[545] R. Natowicz and R. Sokol. Self-organizing feature maps for image segmentation. *Lecture Notes in Computer Science*, 686:626–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freisleben:1993:RFI

[546] B. Freisleben, J.-H. Greve, and J. Lober. Recognition of fractal images using a neural network. *Lecture Notes in Computer Science*, 686:632–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lisa:1993:FFN

[547] F. Lisa, J. Carrabina, C. Perez-Vicente, N. Avellana, and E. Valderrama. Feed forward network for vehicle license character recognition. *Lecture Notes in Computer Science*, 686:638–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Miyauchi:1993:IOF

[548] M. Miyauchi, M. Seki, A. Watanabe, and A. Miyauchi. Interpretation of optical flow through complex neural network. *Lecture Notes in Computer Science*, 686:645–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cabello:1993:CIS

[549] D. Cabello, M. G. Penedo, S. Barro, J. M. Pardo, and J. Heras. CT image segmentation by self-organizing learning. *Lecture Notes in Computer Science*, 686:651–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mosquera:1993:TIS

[550] A. Mosquera, D. Cabello, M. J. Carreira, and M. G. Penedo. Texture image segmentation using a modified Hopfield network. *Lecture Notes in Computer Science*, 686:657–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freisleben:1993:ICS

[551] B. Freisleben and M. Mengel. Image compression with self-organizing networks. *Lecture Notes in Computer Science*, 686:664–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bahrami:1993:NND

[552] M. Bahrami. Neural networks as direct adaptive controllers. *Lecture Notes in Computer Science*, 686:670–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barret:1993:NAC

[553] C. Barret, M. Houkari, P. Meyne, J. M. Martinez, A. Garassino, and P. Tormo. A neural adaptive controller for a turbofan exhaust nozzle. *Lecture Notes in Computer Science*, 686:676–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bulsari:1993:FFN

[554] A. Bulsari, B. Saxen, and H. Saxen. Feed-forward neural networks for bioreactor control. *Lecture Notes in Computer Science*, 686:682–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Borland:1993:LNP

[555] L. Borland and H. Haken. Learning networks for process identification and associative action. *Lecture Notes in Computer Science*, 686:688–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pimentel:1993:LPE

[556] J. R. Pimentel, D. Gachet, L. Moreno, and M. A. Salichs. On-line performance enhancement of a behavioral neural network controller. *Lecture Notes in Computer Science*, 686:694–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Palmer:1993:AIC

[557] R. P. Palmer and P. A. Rounce. An architecture for implementing control and signal processing neural networks. *Lecture Notes in Computer Science*, 686:702–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mrsic-Flogel:1993:PAP

[558] J. Mrsic-Flogel. Planlite: Adaptive planning using weightless systems. *Lecture Notes in Computer Science*, 686: 708–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Margarita:1993:SPV

[559] S. Margarita and A. Beltratti. Stock prices and volume in an artificial adaptive stock market. *Lecture Notes in Computer Science*, 686:714–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deMiguel:1993:AFA

[560] L. J. de Miguel, E. Revilla, J. M. Rodriguez, and J. M. Cano. Application of the fuzzy Artmap neural network architecture to bank failure predictions. *Lecture Notes in Computer Science*, 686:720–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ros:1993:CNN

[561] F. Ros, A. Brons, F. Sevila, G. Rabatel, and C. Touzet. Combination of neural network and statistical methods for sensory evaluation of biological products: On-line beauty selection of flowers. *Lecture Notes in Computer*

Science, 686:726–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Crestani:1993:AIR

[562] F. Crestani. An adaptive information retrieval system based on neural networks. *Lecture Notes in Computer Science*, 686:732–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clochon:1993:SPE

[563] P. Clochon, D. Clarencon, R. Caterini, and V. Roman. Software pattern EEG recognition after a wavelet transform by a neural network. *Lecture Notes in Computer Science*, 686:738–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bookstein:1993:FSD

[564] F. L. Bookstein and W. D. K. Green. A feature space for derivatives of deformations. *Lecture Notes in Computer Science*, 687:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nastar:1993:NRM

[565] C. Nastar and N. Ayache. Non-rigid motion analysis in medical images: a physically based approach. *Lecture Notes in Computer Science*, 687:17–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cootes:1993:UAS

[566] T. F. Cootes, A. Hill, C. J. Taylor, and J. Haslam. The use of active shape models for locating structures in medical images. *Lecture Notes in Computer Science*, 687:33–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Worring:1993:PFB

[567] M. Worring, A. W. M. Smeulders, L. H. Staib, and J. S. Duncan. Parameterized feasible boundaries in gradient vector fields. *Lecture Notes in Computer Science*, 687:48–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vemuri:1993:MRS

[568] B. C. Vemuri, A. Radisavljevic, and C. M. Leonard. Multi-resolution stochastic 3D shape models for image segmentation. *Lecture Notes in Computer Science*, 687:62–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Romeny:1993:HOD

[569] B. M. ter Haar Romeny, L. M. J. Florack, A. H. Salden, and M. A. Viergever. Higher order differential structure of images. *Lecture Notes in Computer Science*, 687:77–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gerig:1993:SDD

[570] G. Gerig, Th. Koller, G. Szekely, Ch. Brechbuhler, and O. Kubler. Symbolic description of 3-D structures applied to cerebral vessel tree obtained from MR angiography volume data. *Lecture Notes in Computer Science*, 687:94–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Morse:1993:MMA

[571] B. S. Morse, S. M. Pizer, and A. Liu. Multiscale medial analysis of medical

images. *Lecture Notes in Computer Science*, 687:112–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tagare:1993:ASR

[572] H. D. Tagare, F. Vos, C. C. Jaffe, and J. S. Duncan. Arrangement: A spatial relation comparing part embeddings and its use in medical image comparisons. *Lecture Notes in Computer Science*, 687:132–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Whitaker:1993:CFS

[573] R. T. Whitaker. Characterizing first and second order patches using geometry-limited diffusion. *Lecture Notes in Computer Science*, 687:149–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schubert:1993:SKR

[574] R. Schubert, K. H. Hohne, A. Pommert, M. Riemer, Th. Schiemann, and U. Tiede. Spatial knowledge representation for visualization of human anatomy and function. *Lecture Notes in Computer Science*, 687:168–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hill:1993:SAM

[575] D. L. G. Hill, D. J. Hawkes, N. Harrison, and C. F. Ruff. A strategy for automated multimodality image registration incorporating anatomical knowledge and imager characteristics. *Lecture Notes in Computer Science*, 687:182–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Robinson:1993:MBR

[576] G. P. Robinson, A. C. F. Colchester, and L. D. Griffin. Model-based recognition of anatomical objects from medical images. *Lecture Notes in Computer Science*, 687:197–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haring:1993:MAI

[577] S. Haring, M. A. Viergever, and J. N. Kok. A multiscale approach to image segmentation using Kohonen networks. *Lecture Notes in Computer Science*, 687:212–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Worth:1993:SMR

[578] A. J. Worth and D. N. Kennedy. Segmentation of magnetic resonance brain images using analog constraint satisfaction neural networks. *Lecture Notes in Computer Science*, 687:225–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Paulson:1993:FNL

[579] K. Paulson, W. Lionheart, and M. Pidcock. Fast, non-linear inversion for electrical impedance tomography. *Lecture Notes in Computer Science*, 687:244–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arridge:1993:IMO

[580] S. R. Arridge and M. Schweiger. Inverse methods for optical tomography. *Lecture Notes in Computer Sci-*

ence, 687:259–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cao:1993:FGA

[581] Y. Cao and D. N. Levin. Feature-guided acquisition and reconstruction of MR images. *Lecture Notes in Computer Science*, 687:278–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smith:1993:RTD

[582] W. E. Smith, J. K. Riek, and A. Murat Tekalp. Reconstruction of a three-dimensional volume from a motion-corrupted two-dimensional data set in magnetic resonance imaging. *Lecture Notes in Computer Science*, 687:293–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Johnson:1993:FIS

[583] V. E. Johnson. A framework for incorporating structural prior information into the estimation of medical images. *Lecture Notes in Computer Science*, 687:307–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gindi:1993:BRE

[584] G. Gindi, A. Rangarajan, M. Lee, P. J. Hong, and I. G. Zubal. Bayesian reconstruction for emission tomography via deterministic annealing. *Lecture Notes in Computer Science*, 687:322–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pan:1993:ACP

[585] X. Pan, C.-T. Chen, J. N. Aarsvold, and W. H. Wong. Analytical considerations of photon attenuation and system response function in SPECT reconstruction. *Lecture Notes in Computer Science*, 687:339–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wu:1993:MIR

[586] Z. Wu. MAP image reconstruction using wavelet decomposition. *Lecture Notes in Computer Science*, 687:354–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fessler:1993:TRU

[587] J. A. Fessler. Tomographic reconstruction using information-weighted spline smoothing. *Lecture Notes in Computer Science*, 687:372–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wu:1993:DFB

[588] C. Wu, M. N. Wernick, and C.-T. Chen. A 3-D filtered-backprojection reconstruction algorithm for combined parallel- and cone-beam SPECT data. *Lecture Notes in Computer Science*, 687:387–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benali:1993:FFA

[589] H. Benali, I. Buvat, F. Frouin, J. P. Bazin, and R. Di Paola. Foundations of factor analysis of medical image sequences: A unified approach and some practical implications. *Lecture Notes in*

Computer Science, 687:401–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Samal:1993:BIP

[590] M. Samal, M. Karny, and D. Zahalka. Bayesian identification of a physiological model in dynamic scintigraphic data. *Lecture Notes in Computer Science*, 687:422–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shields:1993:IRI

[591] K. Shields, D. C. Barber, and S. B. Sherriff. Image registration for the investigation of atherosclerotic plaque movement. *Lecture Notes in Computer Science*, 687:438–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yoo:1993:USP

[592] T. S. Yoo and J. M. Coggins. Using statistical pattern recognition techniques to control variable conductance diffusion. *Lecture Notes in Computer Science*, 687:459–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karssemeijer:1993:ANE

[593] N. Karssemeijer. Adaptive noise equalization and image analysis in mammography. *Lecture Notes in Computer Science*, 687:472–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vandermeulen:1993:CVC

[594] D. Vandermeulen, R. Verbeeck, L. Berben, P. Suetens, and G. Marchal. Continuous voxel classification by stochastic relaxation: Theory and application to MR imaging and MR angiography. *Lecture Notes in Computer Science*, 687:487–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wagner:1993:MGP

[595] R. F. Wagner, D. G. Brown, J.-P. Guedon, K. J. Myers, and K. A. Wear. Multivariate Gaussian pattern classification: Effects of finite sample size and the addition of correlated or noisy features on summary measures of goodness. *Lecture Notes in Computer Science*, 687:507–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Swensson:1993:MDL

[596] R. G. Swensson. Measuring detection and localization performance. *Lecture Notes in Computer Science*, 687:525–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Insana:1993:MEE

[597] M. F. Insana and T. J. Hall. Methods for estimating the efficiency of human and computational observers in ultrasonography. *Lecture Notes in Computer Science*, 687:542–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anderson:1993:GFB

[598] M. P. Anderson, M. H. Loew, and D. G. Brown. Gabor function based medical image compression. *Lecture Notes in Computer Science*, 687:553–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Minker:1993:EDL

[599] J. Minker and C. Ruiz. On extended disjunctive logic programs. *Lecture Notes in Computer Science*, 689:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chu:1993:MFS

[600] H. Chu and D. A. Plaisted. Model finding stategies in semantically guided instance-based theorem proving. *Lecture Notes in Computer Science*, 689: 19–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Busch:1993:ETV

[601] D. R. Busch. An expressive three-valued logic with two negations. *Lecture Notes in Computer Science*, 689: 29–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Posegga:1993:CPS

[602] J. Posegga. Compiling proof search in semantic tableaux. *Lecture Notes in Computer Science*, 689:39–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hahnle:1993:SCF

[603] R. Hahnle. Short CNF in finetely-valued logics. *Lecture Notes in Computer Science*, 689:49–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giordano:1993:DVD

[604] L. Giordano. Defining variants of default logic: a modal approach. *Lecture Notes in Computer Science*, 689:59–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shue:1993:AHS

[605] L.-Y. Shue and R. Zamani. An admissible heuristic search algorithm. *Lecture Notes in Computer Science*, 689:69–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lee:1993:BES

[606] S.-J. Lee and C.-H. Wu. Building an expert system language interpreter with the rule network technique. *Lecture Notes in Computer Science*, 689:76–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Valiente:1993:IDC

[607] G. Valiente. Input-driven control of rule-based expert systems. *Lecture Notes in Computer Science*, 689:86–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lopez:1993:CBP

[608] B. Lopez and E. Plaza. Case-based planning for medical diagnosis. *Lecture Notes in Computer Science*, 689:96–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klut:1993:MME

[609] J. P. Klut and J. H. P. Eloff. MethoDex: A methodology for expert systems development. *Lecture Notes in Computer Science*, 689:106–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bry:1993:TID

[610] F. Bry. Towards intelligent databases. *Lecture Notes in Computer Science*,

689:116–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Padgham:1993:CCN

[611] L. Padgham and B. Nebel. Combining classification and nonmonotonic inheritance reasoning: A first step. *Lecture Notes in Computer Science*, 689: 132–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rasiowa:1993:MPS

[612] H. Rasiowa and V. W. Marek. Mechanical proof systems for logic II, consensus programs and their processing (extended abstract). *Lecture Notes in Computer Science*, 689:142–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1993:LOK

[613] J. Chen. The logic of only knowing as a unified framework for nonmonotonic reasoning. *Lecture Notes in Computer Science*, 689:152–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lambrix:1993:TLI

[614] P. Lambrix and R. Ronnquist. Terminological logic involving time and evolution: A preliminary report. *Lecture Notes in Computer Science*, 689:162–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Orman:1993:KME

[615] L. V. Orman. Knowledge management by example. *Lecture Notes in Computer Science*, 689:172–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dewan:1993:SRL

[616] H. M. Dewan and S. J. Stolfo. System reorganization and load balancing of parallel database rule processing. *Lecture Notes in Computer Science*, 689:186–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gaasterland:1993:USI

[617] T. Gaasterland and J. Lobo. Using semantic information for processing negation and disjunction in logic programs. *Lecture Notes in Computer Science*, 689:198–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bosc:1993:ISO

[618] P. Bosc, L. Lietard, and O. Pivert. On the interpretation of set-oriented fuzzy quantified queries and their evaluation in a database management system. *Lecture Notes in Computer Science*, 689:209–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lowry:1993:MKB

[619] M. R. Lowry. Methodologies for knowledge-based software engineering. *Lecture Notes in Computer Science*, 689:219–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leone:1993:ULP

[620] N. Leone, L. Palopoli, and M. Romeo. Updating logic programs. *Lecture*

Notes in Computer Science, 689:235–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Robertson:1993:EPR

[621] D. Robertson, J. Agusti, J. Hesketh, and J. Levy. Expressing program requirements using refinement lattices. *Lecture Notes in Computer Science*, 689:245–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chadha:1993:FLC

[622] R. Chadha and D. A. Plaisted. Finding logical consequences using unskolemization. *Lecture Notes in Computer Science*, 689:255–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rajasekar:1993:CES

[623] A. Rajasekar. Controlled explanation systems. *Lecture Notes in Computer Science*, 689:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Murray:1993:SFL

[624] N. V. Murray and E. Rosenthal. Signed formulas: A liftable meta-logic for multiple-valued logics. *Lecture Notes in Computer Science*, 689:275–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tano:1993:NDC

[625] S. Tano, W. Okamoto, and T. Iwatani. New design concepts for the FLINS-Fuzzy lingual system: Text-based and fuzzy-centered architectures. *Lecture Notes in Computer Science*, 689:285–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Skowron:1993:BRD

[626] A. Skowron. Boolean reasoning for decision rules generation. *Lecture Notes in Computer Science*, 689:295–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chau:1993:ULE

[627] C. W. R. Chau, P. Lingras, and S. K. M. Wong. Upper and lower entropies of belief functions using compatible probability functions. *Lecture Notes in Computer Science*, 689:306–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liau:1993:RAH

[628] C. J. Liau and B. I-P. Lin. Reasoning about higher order uncertainty in possibilistic logic. *Lecture Notes in Computer Science*, 689:316–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rauszer:1993:AMK

[629] C. M. Rauszer. Approximation methods for knowledge representation systems. *Lecture Notes in Computer Science*, 689:326–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ljung:1993:MIS

[630] L. Ljung. Modelling of industrial systems. *Lecture Notes in Computer Science*, 689:338–??, 1993. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Puget:1993:SSC

[631] J.-F. Puget. On the satisfiability of symmetrical constrained satisfaction problems. *Lecture Notes in Computer Science*, 689:350–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brown:1993:LRC

[632] A. L. Brown, S. Mantha, and T. Wakayama. A logical reconstruction of constraint relaxation hierarchies in logic programming. *Lecture Notes in Computer Science*, 689:362–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berlandier:1993:PEB

[633] P. Berlandier. A performance evaluation of backtrack-bounded search methods for N-ary constraint networks. *Lecture Notes in Computer Science*, 689:375–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meyer:1993:FDC

[634] M. A. Meyer and J. P. Muller. Finite domain consistency techniques: Their combination and application in computer-aided process planning. *Lecture Notes in Computer Science*, 689: 385–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Imam:1993:SDT

[635] I. F. Imam and R. S. Michalski. Should decision trees be learned from examples or from decision rules? *Lecture Notes in Computer Science*, 689:395–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lounis:1993:IML

[636] H. Lounis. Integrating machine-learning techniques in knowledge-based systems verification. *Lecture Notes in Computer Science*, 689:405–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bagai:1993:ATG

[637] R. Bagai, V. Shanbhogue, J. M. Zytkow, and S. C. Chou. Automatic theorem generation in plane geometry. *Lecture Notes in Computer Science*, 689:415–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giordana:1993:LSR

[638] A. Giordana, L. Saitta, and C. Baroglio. Learning simple recursive theories. *Lecture Notes in Computer Science*, 689:425–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeRaedt:1993:MFI

[639] L. De Raedt and N. Lavrac. The many faces of inductive logic programming. *Lecture Notes in Computer Science*, 689:435–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bateman:1993:CMD

[640] M. Bateman, S. Martin, and A. Slade. Consensus: A method for the development of distributed intelligent systems. *Lecture Notes in Computer*

Science, 689:450–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gan:1993:SFM

[641] H. Gan. Script and frame: Mixed natural language understanding system with default theory. *Lecture Notes in Computer Science*, 689:466–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Franova:1993:CMM

[642] M. Franova, Y. Kodratoff, and M. Gross. Constructive matching methodology: Formally creative or intelligent inductive theorem proving? *Lecture Notes in Computer Science*, 689:476–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grosz:1993:RKU

[643] G. Grosz and C. Rolland. Representing the knowledge used during the requirement engineering activity with generic structures. *Lecture Notes in Computer Science*, 689:486–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caselli:1993:DPE

[644] S. Caselli, A. Natali, and F. Zanichelli. Development of a programming environment for intelligent robotics. *Lecture Notes in Computer Science*, 689: 496–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schaerf:1993:CIC

[645] A. Schaerf. On the complexity of the instance checking problem in concept languages with existential quantification. *Lecture Notes in Computer Science*, 689:508–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ambroszkiewicz:1993:MK

[646] S. Ambroszkiewicz. Mutual knowledge. *Lecture Notes in Computer Science*, 689:518–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Thirunarayan:1993:EEI

[647] K. Thirunarayan. Expressive extensions to inheritance networks. *Lecture Notes in Computer Science*, 689:528–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bittencourt:1993:CSC

[648] G. Bittencourt. A connectionist-symbolic cognitive model. *Lecture Notes in Computer Science*, 689:538–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiManzo:1993:MCS

[649] M. Di Manzo and E. Giunchiglia. Multi-context systems as a tool to model temporal evolution. *Lecture Notes in Computer Science*, 689:548–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sandewall:1993:SAT

[650] E. Sandewall. Systematic assessment of temporal reasoning methods for use in autonomous agents. *Lecture Notes in Computer Science*, 689:558–??, 1993.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klauck:1993:GGG

[651] Ch. Klauck and J. Schwagereit. GGD: Graph grammar developer for features in CAD/CAM. *Lecture Notes in Computer Science*, 689:571–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1993:KBA

[652] K. Wang. A knowledge-based approach to group analysis in automated manufacturing systems. *Lecture Notes in Computer Science*, 689:581–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chu:1993:CSA

[653] B.-T. B. Chu. Center: A system architecture for matching design and manufacturing. *Lecture Notes in Computer Science*, 689:591–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sobolewski:1993:KBS

[654] M. Sobolewski. Knowledge-based system integration in a concurrent engineering environment. *Lecture Notes in Computer Science*, 689:601–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Charlton:1993:RSP

[655] P. Charlton. A reflective strategic problem solving model. *Lecture Notes in Computer Science*, 689:612–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wuthrich:1993:LRU

[656] B. Wuthrich. On the learning of rule uncertainties and their integration into probabilistic knowledge bases. *Lecture Notes in Computer Science*, 689:622–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zembowicz:1993:RFD

[657] R. Zembowicz and J. M. Zytkow. Recognition of functional dependencies in data. *Lecture Notes in Computer Science*, 689:632–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Slowinski:1993:RSL

[658] R. Slowinski. Rough set learning of preferential attitude in multi-criteria decision making. *Lecture Notes in Computer Science*, 689:642–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freeston:1993:BCI

[659] Michael Freeston. Begriffsverzeichnis: A concept index. *Lecture Notes in Computer Science*, 696:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zaniolo:1993:UAD

[660] Carlo Zaniolo. On the unification of active databases and deductive databases. *Lecture Notes in Computer Science*, 696:23–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goble:1993:SCM

[661] Carole A. Goble, Andrzej Glowinski, and Keith G. Jeffery. Semantic constraints in a medical information system. *Lecture Notes in Computer Science*, 696:40–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castellanos:1993:MSE

[662] Malu Castellanos. A methodology for semantically enriching interoperable databases. *Lecture Notes in Computer Science*, 696:58–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ringwood:1993:DDT

[663] Daniel Ringwood and Graem Cohen. Distributed databases tied with StrIng. *Lecture Notes in Computer Science*, 696:76–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barclay:1993:VO

[664] Peter J. Barclay and Jessie B. Kennedy. Viewing objects. *Lecture Notes in Computer Science*, 696:93–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carnduff:1993:FMT

[665] T. W. Carnduff and W. A. Gray. Function materialization through object versioning in object-oriented databases. *Lecture Notes in Computer Science*, 696:111–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hohenstein:1993:CDI

[666] Uwe Hohenstein and Erik Odberg. A C++ database interface based on the entity-relationship approach. *Lecture Notes in Computer Science*, 696:129–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tagg:1993:OOD

[667] Roger Tagg and Benny Liew. Object-oriented database methodology — state of the art. *Lecture Notes in Computer Science*, 696:147–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sunderraman:1993:DDC

[668] Rajshekhar Sunderraman. Deductive databases with conditional facts. *Lecture Notes in Computer Science*, 696: 162–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fernandes:1993:DOO

[669] Alvaro A. A. Fernandes, Maria L. Barja, Norman W. Paton, and M. Howard Williams. A deductive object-oriented database for data intensive application development. *Lecture Notes in Computer Science*, 696: 176–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Singleton:1993:SRF

[670] Paul Singleton and O. Pearl Brereton. Storage and retrieval of first-order terms using a relational database. *Lecture Notes in Computer Science*, 696: 199–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Mcbrien:1993:PIH

[671] Peter Mcbrien. Principles of implementing historical databases in RDBMS. *Lecture Notes in Computer Science*, 696:220–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reddi:1993:ICE

[672] Swarup Reddi. Integrity constraint enforcement in the functional database language PFL. *Lecture Notes in Computer Science*, 696:238–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eaglestone:1993:IVM

[673] Barry Eaglestone, Geoff Davies, Mick Ridley, and Nigel Hulley. Implementation of a version model for artists using extended relational technology. *Lecture Notes in Computer Science*, 696:258–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ait-Kaci:1993:EDO

[674] Hassan Ait-Kaci and Andreas Podelski. Entailment and disentailment of order-sorted feature constraints. *Lecture Notes in Computer Science*, 698:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoniou:1993:CED

[675] Grigoris Antoniou, Elmar Langetepe, and Volker Sperschneider. Computing extensions of default logic — preliminary report. *Lecture Notes in Computer Science*, 698:19–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barklund:1993:PAB

[676] Jonas Barklund and Johan Bevemyr. Prolog with arrays and bounded quantifications. *Lecture Notes in Computer Science*, 698:28–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barth:1993:LIE

[677] Peter Barth. Linear 0-1 inequalities and extended clauses. *Lecture Notes in Computer Science*, 698:40–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruning:1993:SSP

[678] Stefan Bruning. Search space pruning by checking dynamic term growth. *Lecture Notes in Computer Science*, 698:52–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hiu:1993:PSS

[679] Fai Chau Hiu. A proof search system for a modal substructural logic based on labelled deductive systems. *Lecture Notes in Computer Science*, 698:64–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chebotarev:1993:CCA

[680] Anatoli N. Chebotarev and Marina K. Morokhovets. Consistency checking of automata functional specifications. *Lecture Notes in Computer Science*, 698:76–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Corsini:1993:YAA

[681] Marc-Michel Corsini, Alain Griffault, and Antoine Rauzy. Yet another application for toupie: Verification of mutual exclusion algorithms. *Lecture Notes in Computer Science*, 698:86–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Davison:1993:PDT

[682] Andrew Davison. Parsing with DCG-Terms. *Lecture Notes in Computer Science*, 698:98–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Egly:1993:FOR

[683] Uwe Egly. A first order resolution calculus with symmetries. *Lecture Notes in Computer Science*, 698:110–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fermuller:1993:OPR

[684] Christian G. Fermuller and Gernot Salzer. Ordered paramodulation and resolution as decision procedure. *Lecture Notes in Computer Science*, 698:122–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

File:1993:SAP

[685] Gilberto File and Sabina Rossi. Static analysis of Prolog with cut. *Lecture Notes in Computer Science*, 698:134–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gardneri:1993:NTT

[686] Philippa Gardneri. A new type theory for representing logics. *Lecture Notes in Computer Science*, 698:146–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hahnle:1993:VSL

[687] Reiner Hahnle and Werner Kernig. Verification of switch-level designs with many-valued logic. *Lecture Notes in Computer Science*, 698:158–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hibti:1993:DHT

[688] M. Hibti, H. Lombardi, and B. Legeard. Deciding in HFS-Theory via linear integer programming. *Lecture Notes in Computer Science*, 698:170–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hill:1993:CTL

[689] Patricia M. Hill. The completion of typed logic programs and SLDNF-Resolution. *Lecture Notes in Computer Science*, 698:182–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Manning:1993:IVH

[690] Alistair Manning, Andrew Ireland, and Alan Bundy. Increasing the versatility of heuristic based theorem provers. *Lecture Notes in Computer Science*, 698:194–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Massey:1993:SPL

[691] Bart C. Massey and Evan Tick. Sequentialization of parallel logic programs with mode analysis. *Lecture Notes in Computer Science*, 698:205–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mayr:1993:REM

[692] Klaus Mayr. Refinements and extensions of model elimination. *Lecture Notes in Computer Science*, 698:217–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kappel:1993:ESB

[693] Angelica Maria Kappel. Executable specifications based on dynamic algebras. *Lecture Notes in Computer Science*, 698:229–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeNivelle:1993:GRP

[694] H. De Nivelle. Generic resolution in propositional modal systems. *Lecture Notes in Computer Science*, 698:241–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ohlbach:1993:OTM

[695] Hans Jurgen Ohlbach. Optimized translation of multi modal logic into predicate logic. *Lecture Notes in Computer Science*, 698:253–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Panitz:1993:DRC

[696] Sven Eric Panitz. Default reasoning with a constraint resolution principle. *Lecture Notes in Computer Science*, 698:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ramesh:1993:NCD

[697] Anavai Ramesh and Neil V. Murray. Non-clausal deductive techniques for computing prime implicants and prime implicates. *Lecture Notes in Computer Science*, 698:277–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schmidt-Schaub:1993:UUO

[698] Manfred Schmidt-Schaub. Unification under one-sided distributivity with a multiplicative unit. *Lecture Notes in Computer Science*, 698:289–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Socher-Ambrosius:1993:UOS

[699] Rolf Socher-Ambrosius. Unification in order-sorted logic with term declarations. *Lecture Notes in Computer Science*, 698:301–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Solnon:1993:EIH

[700] Christine Solnon and Michel Rueher. Extracting inheritance hierarchies from Prolog programs: A system based on the inference of type relations. *Lecture Notes in Computer Science*, 698:309–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sutcliffe:1993:CMA

[701] Geoff Sutcliffe. A comparison of mechanisms for avoiding repetition of subdeductions in chain format linear deduction systems. *Lecture Notes in Computer Science*, 698:321–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wagner:1993:NPE

[702] Gerd Wagner. Neutralization and preemption in extended logic programs. *Lecture Notes in Computer Science*, 698:333–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baaz:1993:MSA

[703] Matthias Baaz, Christian G. Fermuller, Arie Ovrutcki, and Richard Zach. Multlog: A system for axiomatizing many-valued logics (system description). *Lecture Notes in Computer Science*, 698:345–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Galmiche:1993:SSP

[704] D. Galmiche and O. Hermann. SKIL: A system for programming with proofs (system description). *Lecture Notes in Computer Science*, 698:348–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harrison:1993:RAR

[705] John Harrison and Laurent Thery. Reasoning about the reals: The marriage of HOL and Maple. *Lecture Notes in Computer Science*, 698:351–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yexuan:1993:SDL

[706] Gui Yexuan and Mitsuhiro Okada. System description of LAMBDALG — A higher order algebraic specification language. *Lecture Notes in Computer Science*, 698:354–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nuallain:1993:MM

[707] Breanndan O. Nuallain. Mixing Metafor. *Lecture Notes in Computer Science*, 698:357–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Soloviev:1993:CAS

[708] Sergei V. Soloviev. A complete axiom system for isomorphism of types in closed categories. *Lecture Notes in Computer Science*, 698:360–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wegner:1993:RMC

[709] Peter Wegner. Reasoning, modeling, and component-based technology. *Lecture Notes in Computer Science*, 698: 372–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sowa:1993:RDL

[710] John F. Sowa. Relating diagrams to logic. *Lecture Notes in Computer Science*, 699:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gaines:1993:RDL

[711] Brian R. Gaines. Representation, discourse, logic and truth: situating

knowledge technology. *Lecture Notes in Computer Science*, 699:36–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barwise:1993:HR

[712] Jon Barwise. Heterogeneous reasoning. *Lecture Notes in Computer Science*, 699:64–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biebow:1993:CBC

[713] B. Biebow and G. Chaty. A comparison between conceptual graphs and KL-one. *Lecture Notes in Computer Science*, 699:75–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mineau:1993:TDO

[714] G. W. Mineau. The term definition operators of ontolingua and of the conceptual graph formalism: a comparison. *Lecture Notes in Computer Science*, 699:90–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bowen:1993:ICG

[715] B. Bowen and P. Kocura. Implementing conceptual graphs in a RDBMS. *Lecture Notes in Computer Science*, 699:106–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Creasy:1993:CGA

[716] P. Creasy and G. Ellis. A conceptual graphs approach to conceptual schema integration. *Lecture Notes in Computer Science*, 699:126–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boksenbaum:1993:CGR

[717] C. Boksenbaum, B. Carbonneill, O. Haemmerle, and T. Libourel. Conceptual graphs for relational databases. *Lecture Notes in Computer Science*, 699:142–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Basili:1993:ICR

[718] R. Basili and M. T. Pazienza. Inducing a CG representation for basic-level categorization of verbs. *Lecture Notes in Computer Science*, 699:162–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moulin:1993:RLI

[719] B. Moulin. The representation of linguistic information in an approach used for modelling temporal knowledge in discourses. *Lecture Notes in Computer Science*, 699:182–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nazarenko:1993:RNL

[720] A. Nazarenko. Representing natural language causality in conceptual graphs: the higher order conceptual relation problem. *Lecture Notes in Computer Science*, 699:205–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lukose:1993:ECS

[721] D. Lukose. Executable conceptual structures. *Lecture Notes in Computer Science*, 699:223–??, 1993. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pagnucco:1993:IRC

[722] M. Pagnucco and N. Foo. Inverting resolution with conceptual graphs. *Lecture Notes in Computer Science*, 699: 238–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Levinson:1993:TDI

[723] R. Levinson. Towards domain-independent machine intelligence. *Lecture Notes in Computer Science*, 699: 254–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ellis:1993:ERH

[724] G. Ellis. Efficient retrieval from hierarchies of objects using lattice operations. *Lecture Notes in Computer Science*, 699:274–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mugnier:1993:CAR

[725] M. L. Mugnier and M. Chein. Characterization and algorithmic recognition of canonical conceptual graphs. *Lecture Notes in Computer Science*, 699: 294–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Willems:1993:CSO

[726] M. Willems. A conceptual semantics ontology for conceptual graphs. *Lecture Notes in Computer Science*, 699: 312–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cyre:1993:ATK

[727] W. Cyre. Acquiring temporal knowledge from schedules. *Lecture Notes in Computer Science*, 699:328–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wermelinger:1993:CSM

[728] M. Wermelinger and A. Bejan. Conceptual structures for modeling in CIM. *Lecture Notes in Computer Science*, 699:345–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aimeur:1993:ETB

[729] E. Aimeur and J. G. Ganascia. Elicitation of taxonomies based on the use of conceptual graphs operators. *Lecture Notes in Computer Science*, 699: 361–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heaton:1993:PPL

[730] J. E. Heaton and P. Kocura. Presenting a Peirce logic based inference engine and theorem prover for conceptual graphs. *Lecture Notes in Computer Science*, 699:381–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Emond:1993:OCS

[731] B. Emond. Operations on conceptual structures and Peirce's system of existential graphs. *Lecture Notes in Computer Science*, 699:401–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VanDenBerg:1993:MLC

[732] H. Van Den Berg. Modal logics for conceptual graphs. *Lecture Notes in Computer Science*, 699:411–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wuwongse:1993:FCG

[733] V. Wuwongse and M. Manzano. Fuzzy conceptual graphs. *Lecture Notes in Computer Science*, 699:430–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blum:1993:PRC

[734] M. Blum. Program result checking: A new approach to making programs more reliable. *Lecture Notes in Computer Science*, 700:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andersson:1993:DIS

[735] A. Andersson and C. Mattsson. Dynamic interpolation search in $O(\log \log n)$ time. *Lecture Notes in Computer Science*, 700:15–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Frederickson:1993:SAI

[736] G. N. Frederickson. Searching among intervals and compact routing tables. *Lecture Notes in Computer Science*, 700:28–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lund:1993:AMS

[737] C. Lund and M. Yannakakis. The approximation of maximum subgraph problems. *Lecture Notes in Computer Science*, 700:40–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kann:1993:PBM

[738] V. Kann. Polynomially bounded minimization problems which are hard to approximate. *Lecture Notes in Computer Science*, 700:52–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garg:1993:PDA

[739] N. Garg, V. V. Vazirani, and M. Yannakakis. Primal-dual approximation algorithms for integral flow and multicut in trees, with applications to matching and set cover. *Lecture Notes in Computer Science*, 700:64–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Marathe:1993:CAP

[740] M. V. Marathe, H. B. Hunt, III, and S. S. Ravi. The complexity of approximating PSPACE-Complete problems for hierarchical specifications. *Lecture Notes in Computer Science*, 700:76–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Czumaj:1993:PPT

[741] A. Czumaj and A. Gibbons. Problems on pairs of trees and the four colour problem of planar graphs. *Lecture Notes in Computer Science*, 700:88–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kalyanasundaram:1993:CCT

[742] B. Kalyanasundaram and K. R. Pruhs. Constructing competitive tours from local information. *Lecture Notes in*

Computer Science, 700:102–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bodlaender:1993:TPP

[743] H. Bodlaender, T. Kloks, and D. Kratsch. Treewidth and pathwidth of permutation graphs. *Lecture Notes in Computer Science*, 700:114–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jaromczyk:1993:TEF

[744] J. W. Jaromczyk and G. Swiatek. A theory of even functionals and their algorithmic applications. *Lecture Notes in Computer Science*, 700:126–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Flajolet:1993:EAD

[745] P. Flajolet and M. Golin. Exact asymptotics of divide-and-conquer recurrences. *Lecture Notes in Computer Science*, 700:137–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kozen:1993:OBC

[746] D. Kozen and S. Zaks. Optimal bounds for the change-making problem. *Lecture Notes in Computer Science*, 700:150–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reif:1993:CBS

[747] J. H. Reif and S. R. Tate. The complexity of N-body simulation. *Lecture Notes in Computer Science*, 700:162–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dillencourt:1993:SMR

[748] M. B. Dillencourt and W. D. Smith. A simple method for resolving degeneracies in Delaunay triangulations. *Lecture Notes in Computer Science*, 700:177–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hemachandra:1993:FTC

[749] L. A. Hemachandra. Fault-tolerance and complexity. *Lecture Notes in Computer Science*, 700:189–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamamoto:1993:RST

[750] H. Yamamoto. Reversal-space tradeoffs for simultaneous resource-bounded nondeterministic Turing machines. *Lecture Notes in Computer Science*, 700:203–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Orponen:1993:CPD

[751] P. Orponen. On the computational power of discrete Hopfield nets. *Lecture Notes in Computer Science*, 700:215–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karpinski:1993:RVD

[752] M. Karpinski and R. Verbeek. On randomized versus deterministic computation. *Lecture Notes in Computer Science*, 700:227–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ablayev:1993:LBO

[753] F. Ablayev. Lower bounds for one-way probabilistic communication complexity. *Lecture Notes in Computer Science*, 700:241–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hagerup:1993:MDP

[754] T. Hagerup, K. Mehlhorn, and I. Munro. Maintaining discrete probability distributions optimally. *Lecture Notes in Computer Science*, 700:253–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Franklin:1993:SEL

[755] M. Franklin and M. Yung. Secure and efficient off-line digital money. *Lecture Notes in Computer Science*, 700:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Juedes:1993:CDR

[756] D. W. Juedes, J. I. Lathrop, and J. H. Lutz. Computational depth and reducibility. *Lecture Notes in Computer Science*, 700:277–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baliga:1993:LAC

[757] G. Baliga and J. Case. Learnability: Admissible, co-finite, and hypersimple languages. *Lecture Notes in Computer Science*, 700:289–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jiang:1993:IUP

[758] T. Jiang, A. Salomaa, K. Salomaa, and S. Yu. Inclusion is undecidable for pattern languages. *Lecture Notes in Computer Science*, 700:301–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ibarra:1993:NDR

[759] O. H. Ibarra, T. Jiang, N. Tran, and H. Wang. New decidability results concerning two-way counter machines and applications. *Lecture Notes in Computer Science*, 700:313–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Michaux:1993:CTS

[760] C. Michaux and R. Villemaire. Cobham's theorem seen through Buchi's theorem. *Lecture Notes in Computer Science*, 700:325–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ebinger:1993:LDI

[761] W. Ebinger and A. Muscholl. Logical definability on infinite traces. *Lecture Notes in Computer Science*, 700:335–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilke:1993:ACR

[762] T. Wilke. Algebras for classifying regular tree languages and an application to frontier testability. *Lecture Notes in Computer Science*, 700:347–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gupta:1993:FAC

[763] A. Gupta. Finite automata as characterizations of minor closed tree families. *Lecture Notes in Computer Science*, 700:359–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dolev:1993:DAB

[764] D. Dolev and D. Malki. On distributed algorithms in a broadcast domain. *Lecture Notes in Computer Science*, 700:371–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chlebus:1993:SNS

[765] B. S. Chlebus, K. Diks, and A. Pelc. Sparse networks supporting efficient reliable broadcasting. *Lecture Notes in Computer Science*, 700:388–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

AufDerHeide:1993:SAT

[766] F. Meyer Auf Der Heide, B. Oesterdiekhoff, and R. Wanka. Strongly adaptive token distribution. *Lecture Notes in Computer Science*, 700:398–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schonhage:1993:FPC

[767] A. Schonhage. Fast parallel computation of characteristic polynomials by Leverrier's power sum method adapted to fields of finite characteristic. *Lecture Notes in Computer Science*, 700:410–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kirousis:1993:FPC

[768] L. M. Kirousis. Fast parallel constraint satisfaction. *Lecture Notes in Computer Science*, 700:418–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Simon:1993:PRL

[769] I. Simon. The product of rational languages. *Lecture Notes in Computer Science*, 700:430–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ochmanski:1993:RCS

[770] E. Ochmanski and P.-A. Wacrenier. On regular compatibility of semi-commutations. *Lecture Notes in Computer Science*, 700:445–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dumas:1993:AAB

[771] P. Dumas. Algebraic aspects of B-regular series. *Lecture Notes in Computer Science*, 700:457–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cohen:1993:PFS

[772] D. M. Cohen and M. L. Fredman. Products of finite state machines with full coverage. *Lecture Notes in Computer Science*, 700:469–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Senizergues:1993:EVS

[773] G. Senizergues. An effective version of Stallings' theorem in the case of context-free groups. *Lecture Notes in Computer Science*, 700:478–??, 1993.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lepisto:1993:PPI

[774] A. Lepisto. On the power of periodic iteration of morphisms. *Lecture Notes in Computer Science*, 700:496–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mignosi:1993:IDL

[775] F. Mignosi and P. Seebold. If a DOL language is k-power free than it is circular. *Lecture Notes in Computer Science*, 700:507–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jategaonkar:1993:DTC

[776] L. Jategaonkar and A. R. Meyer. Deciding true concurrency equivalences on finite safe nets. *Lecture Notes in Computer Science*, 700:519–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vogler:1993:TTC

[777] W. Vogler. Timed testing of concurrent systems. *Lecture Notes in Computer Science*, 700:532–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Havelund:1993:FC

[778] K. Havelund and K. G. Larsen. The fork calculus. *Lecture Notes in Computer Science*, 700:544–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Inverardi:1993:ETS

[779] P. Inverardi, C. Priami, and D. Yankelevich. Extended transition systems for parametric bisimulation. *Lecture Notes in Computer Science*, 700:558–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brown:1993:TLC

[780] C. Brown and D. Gurr. Temporal logic and categories of Petri nets. *Lecture Notes in Computer Science*, 700:570–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lodaya:1993:DPO

[781] K. Lodaya, R. Ramanujam, and P. S. Thiagarajan. Decidability of a partial order based temporal logic. *Lecture Notes in Computer Science*, 700: 582–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hungar:1993:LMC

[782] H. Hungar and B. Steffen. Local model checking for context-free processes. *Lecture Notes in Computer Science*, 700:593–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abiteboul:1993:CS

[783] S. Abiteboul and V. Vianu. Computing on structures. *Lecture Notes in Computer Science*, 700:606–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Contejean:1993:PSD

[784] E. Contejean. A partial solution for D-unification based on a reduction to AC1-Unification. *Lecture Notes in Computer Science*, 700:621–??, 1993.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Codish:1993:EAC

[785] M. Codish, M. Falaschi, K. Marriott, and W. Winsborough. Efficient analysis of concurrent constraint logic programs. *Lecture Notes in Computer Science*, 700:633–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiCosmo:1993:CRE

[786] R. Di Cosmo and D. Kesner. A confluent reduction for the extensional typed lambda-calculus with pairs, sums, recursion and terminal object. *Lecture Notes in Computer Science*, 700:645–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barbanera:1993:MTC

[787] F. Barbanera and M. Fernandez. Modularity of termination and confluence in combinations of rewrite systems with lambda omega. *Lecture Notes in Computer Science*, 700:657–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bracho:1993:DAC

[788] F. Bracho and M. Droste. From domains to automata with concurrency. *Lecture Notes in Computer Science*, 700:669–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kanneganti:1993:WUH

[789] R. Kanneganti and R. Cartwright. What is a universal higher-order programming language? *Lecture Notes in Computer Science*, 700:682–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Atzeni:1993:LO

[790] Paolo Atzeni. LOGIDATA+: Overview. *Lecture Notes in Computer Science*, 701:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ceri:1993:BOL

[791] Stefano Ceri and Letizia Tanca. Bridging objects with logical rules: Towards object-oriented deductive databases. *Lecture Notes in Computer Science*, 701:7–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Atzeni:1993:LM

[792] Paolo Atzeni, Filippo Cacace, Stefano Ceri, and Letizia Tanca. The LOGIDATA+ model. *Lecture Notes in Computer Science*, 701:20–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Atzeni:1993:LLS

[793] Paolo Atzeni, Luca Cabibbo, Giansalvatore Mecca, and Letizia Tanca. The LOGIDATA+ language and semantics. *Lecture Notes in Computer Science*, 701:30–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cabibbo:1993:TAL

[794] Luca Cabibbo and Giansalvatore Mecca. Travel agency: A LOGIDATA+ application. *Lecture Notes in Computer Science*, 701:42–??, 1993.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Palopoli:1993:MEU

[795] Luigi Palopoli and Riccardo Torlone. Management of extended update operations. *Lecture Notes in Computer Science*, 701:60–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beneventano:1993:TRL

[796] Domenico Beneventano, Sonia Bergamaschi, Claudio Sartori, Alessandro Artale, Francesca Cesarini, and Giovanni Soda. Taxonomic reasoning in LOGIDATA+. *Lecture Notes in Computer Science*, 701:79–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Artale:1993:ITR

[797] Alessandro Artale, Francesca Cesarini, and Giovanni Soda. Introducing taxonomic reasoning in LOGIDATA+. *Lecture Notes in Computer Science*, 701: 85–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beneventano:1993:TRC

[798] Domenico Beneventano, Sonia Bergamaschi, and Claudio Sartori. Taxonomic reasoning with cycles in LOGIDATA+. *Lecture Notes in Computer Science*, 701:105–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Formica:1993:MSI

[799] Anna Formica and Michele Missikoff. Modeling semantic integrity constraints in object-oriented database schemas. *Lecture Notes in Computer Science*, 701:129–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Greco:1993:ENL

[800] Sergio Greco, Massimo Romeo, and Domenico Sacca. Evaluation of negative logic programs. *Lecture Notes in Computer Science*, 701:148–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leone:1993:EIN

[801] Nicola Leone, Massimo Romeo, Pasquale Rullo, and Domenico Sacca. Effective implementation of negation in database logic query languages. *Lecture Notes in Computer Science*, 701: 159–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fabrizio:1993:MLP

[802] Annalina Fabrizio, Maurizio Capaccioli, and Sandra Valeri. Modules in logic programming: A framework for knowledge management. *Lecture Notes in Computer Science*, 701:176–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nanni:1993:LLO

[803] Umberto Nanni, Silvio Salza, and Mario Terranova. LOA: The LOGIDATA+ object algebra. *Lecture Notes in Computer Science*, 701:195–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nanni:1993:LPS

[804] Umberto Nanni, Silvio Salza, and Mario Terranova. The LOGIDATA+ prototype system. *Lecture Notes in Computer Science*, 701:211–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lugli:1993:MAO

[805] Marco Lugli, Luca Nini, and Stefano Ceri. MOODsup *: An architecture for object-oriented access to a relational database. *Lecture Notes in Computer Science*, 701:233–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Artale:1993:PLP

[806] Alessandro Artale, Jean-Pierre Ballerini, Sonia Bergamaschi, Filippo Cacace, Stefano Ceri, Francesca Cesarini, Anna Formica, Herman Lam, Sergio Greco, and Giorgio Marrella. Prototypes in the LOGIDATA+ project. *Lecture Notes in Computer Science*, 701:252–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aanderaa:1993:UTM

[807] Stal Aanderaa. A universal Turing machine. *Lecture Notes in Computer Science*, 702:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aanderaa:1993:RIL

[808] Stal Aanderaa and Herman Ruge Jervell. Recursive inseparability in linear logic. *Lecture Notes in Computer Science*, 702:5–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Artemov:1993:BLP

[809] Sergei Artemov and Tyko Straben. The basic logic of proofs. *Lecture Notes in Computer Science*, 702:14–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baaz:1993:ASC

[810] Matthias Baaz and Richard Zach. Algorithmic structuring of cut-free proofs. *Lecture Notes in Computer Science*, 702:29–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Behrendt:1993:OPE

[811] Thomas Behrendt, Kevin Compton, and Erich Gradel. Optimization problems: Expressibility, approximation properties and expected asymptotic growth of optimal solutions. *Lecture Notes in Computer Science*, 702:43–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benton:1993:LLC

[812] Nick Benton, Gavin Bierman, Valeria De Paiva, and Martin Hyland. Linear lambda-calculus and categorical models revisited. *Lecture Notes in Computer Science*, 702:61–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berarducci:1993:SIL

[813] Alessandro Berarducci and Corrado Bohm. A self-interpreter of lambda calculus having a normal form. *Lecture Notes in Computer Science*, 702:85–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bosse:1993:EFG

[814] Uwe Bosse. An "ehrenfeucht-fraisse game" for fixpoint logic and stratified fixpoint logic. *Lecture Notes in Computer Science*, 702:100–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Creignou:1993:CPL

[815] Nadia Creignou. The class of problems that are linearly equivalent to satisfiability, or a uniform method for proving NP-completeness. *Lecture Notes in Computer Science*, 702:115–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fermuller:1993:MBR

[816] Christian G. Fermuller and Alexander Leitsch. Model building by resolution. *Lecture Notes in Computer Science*, 702:134–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fernando:1993:CTS

[817] Tim Fernando. Comparative transition system semantics. *Lecture Notes in Computer Science*, 702:149–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gavilanes-Franco:1993:RHO

[818] Antonio Gavilanes-Franco, Francisca Lucio-Carrasco, and Mario Rodriguez-Artalejo. Reasoning with higher order partial functions. *Lecture Notes in Computer Science*, 702:167–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Glavan:1993:CEA

[819] Paola Glavan and Dean Rosenzweig. Communicating evolving algebras. *Lecture Notes in Computer Science*, 702: 182–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gonzalez-Moreno:1993:CNO

[820] Juan Carlos Gonzalez-Moreno, Maria Teresa Hortala-Gonzalez, and Mario Rodriguez-Artalejo. On the completeness of narrowing as the operational semantics of functional logic programming. *Lecture Notes in Computer Science*, 702:216–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gradel:1993:IDC

[821] Erich Gradel and Martin Otto. Inductive definability with counting on finite structures. *Lecture Notes in Computer Science*, 702:231–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grandjean:1993:LTA

[822] Etienne Grandjean. Linear time algorithms and NP-Complete problems. *Lecture Notes in Computer Science*, 702:248–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gurevich:1993:SCP

[823] Yuri Gurevich and James K. Huggins. The semantics of the C programming language. *Lecture Notes in Computer Science*, 702:274–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Honsell:1993:TCF

[824] Furio Honsell, Ian A. Mason, Scott Smith, and Carolyn Talcott. A theory of classes for a functional language with effects. *Lecture Notes in Computer Science*, 702:309–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lautemann:1993:LDN

[825] Clemens Lautemann. Logical definability of NP-Optimization problems with monadic auxiliary predicates. *Lecture Notes in Computer Science*, 702:327–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Marzetta:1993:UTT

[826] Markus Marzetta. Universes in the theories of types and names. *Lecture Notes in Computer Science*, 702:340–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mitchell:1993:NSR

[827] John C. Mitchell and Andre Scedrov. Notes on sconing and relators. *Lecture Notes in Computer Science*, 702: 352–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schiermeyer:1993:SSL

[828] Ingo Schiermeyer. Solving 3-Satisfiability in less than $1,579^n$ steps. *Lecture Notes in Computer Science*, 702:379–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smith:1993:KSE

[829] Jan M. Smith. Kleene's slash and existence of values of open terms in type theory. *Lecture Notes in Computer Science*, 702:395–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stark:1993:NCL

[830] Robert F. Stark. Negation-complete logic programs. *Lecture Notes in Computer Science*, 702:403–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stewart:1993:LCB

[831] Iain A. Stewart. Logical characterizations of bounded query classes II: Polynomial-time oracle machines. *Lecture Notes in Computer Science*, 702: 410–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tyszkiewicz:1993:APM

[832] Jerzy Tyszkiewicz. On asymptotic probabilities of monadic second order properties. *Lecture Notes in Computer Science*, 702:425–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deBerg:1993:RSD

[833] Mark de Berg. Ray shooting, depth orders and hidden surface removal. *Lecture Notes in Computer Science*, 703: 1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Paulisch:1993:DEG

[834] Frances Newbery Paulisch. The design of an extendible graph editor. *Lecture Notes in Computer Science*, 704:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biehl:1993:OCA

[835] Gunter Biehl. Overview of complex array-based PLDs. *Lecture Notes in Computer Science*, 705:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Isoaho:1993:TUF

[836] Jouni Isoaho, Arto Nummela, and Hannu Tenhunen. Technologies and utilisation of field programmable gate arrays. *Lecture Notes in Computer Science*, 705:11–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sangiovanni-Vincentelli:1993:SCF

[837] Alberto Sangiovanni-Vincentelli. Some considerations on field-programmable gate arrays and their impact on system design. *Lecture Notes in Computer Science*, 705:26–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fawcett:1993:SBF

[838] Bradly K. Fawcett. SRAM-Based FPGAs ease system verification. *Lecture Notes in Computer Science*, 705:35–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hauck:1993:MFS

[839] Scott Hauck, Gaetano Boriello, Steven Burns, and Carl Ebeling. MONTAGE: An FPGA for synchronous and asynchronous circuits. *Lecture Notes in Computer Science*, 705:44–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hill:1993:ONA

[840] Dwight Hill, Barry Britton, William Oswald, Woo Nam-Sung, Satwant Singh, Chen Che-Tsung, and Bob Krambeck. ORCA: A new architecture for high-performance FPGAs. *Lecture Notes in Computer Science*, 705:52–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fujita:1993:PML

[841] Masahiro Fujita and Yuji Kukimoto. Patching method for lookup-table type FPGAs. *Lecture Notes in Computer Science*, 705:61–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Allen:1993:AOH

[842] Dave Allen. Automatic one-hot reencoding for FPGAs. *Lecture Notes in Computer Science*, 705:71–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Li-Fei:1993:MPR

[843] Wu Li-Fei and Marek A. Perkowski. Minimization of permuted Reed–Muller trees for cellular logic programmable gate arrays. *Lecture Notes in Computer Science*, 705:78–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blight:1993:SOK

[844] David C. Blight and Robert D. McLeod. Self-organizing Kohonen

maps for FPGA placement. *Lecture Notes in Computer Science*, 705:88–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Poechmueller:1993:HLS

[845] Peter Poechmueller, Hans-Jurgen Herpel, Manfred Glesner, and Fang Longsen. High level synthesis in an FPGA-Based computer aided prototyping environment. *Lecture Notes in Computer Science*, 705:96–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ohta:1993:NAF

[846] Naohisa Ohta, Kazuhisa Yamada, Akihiro Tsutsui, and Hiroshi Nakada. New application of FPGAs to programmable digital communication circuits. *Lecture Notes in Computer Science*, 705:106–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kempa:1993:FBL

[847] Georg Kempa and Peter Jung. FPGA based logic synthesis of squarers using VHDL. *Lecture Notes in Computer Science*, 705:112–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Surmann:1993:OFC

[848] Hartmut Surmann, Ansgar Ungering, and Karl Goser. Optimized fuzzy controller architecture for field programmable gate arrays. *Lecture Notes in Computer Science*, 705:124–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lindh:1993:RTK

[849] Lennart Lindh, Klaus Muller-Glaser, Hans Rauch, and Frank Stanischewski. A real-time kernel — rapid prototyping with VHDL and FPGAs. *Lecture Notes in Computer Science*, 705:134–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grunbacher:1993:JBM

[850] Herbert Grunbacher and Alexander Jaud. JAPROC — an 8-bit micro controller design and its test environment. *Lecture Notes in Computer Science*, 705:146–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heeb:1993:CWD

[851] Beat Heeb and Cuno Pfister. Chameleon: A workstation of a different colour. *Lecture Notes in Computer Science*, 705:152–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shaw:1993:HPF

[852] Paul Shaw and George Milne. A highly parallel FPGA-Based machine and its formal verification. *Lecture Notes in Computer Science*, 705:162–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kunzmann:1993:FBS

[853] Arno Kunzmann. FPGA based self-test with deterministic test patterns. *Lecture Notes in Computer Science*, 705: 174–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoang:1993:FIS

[854] Dzung T. Hoang and Daniel P. Lopresti. FPGA implementation of systolic sequence alignment. *Lecture Notes in Computer Science*, 705:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brunvand:1993:UFP

[855] Eric Brunvand. Using FPGAs to prototype a self-timed computer. *Lecture Notes in Computer Science*, 705:192–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Linde:1993:UFI

[856] Arne Linde, Tomas Nordstrom, and Mikael Taveniku. Using FPGAs to implement a reconfigurable highly parallel computer. *Lecture Notes in Computer Science*, 705:199–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ast:1993:NHP

[857] Andreas Ast, Reiner Hartenstein, Rainer Kress, Helmut Reinig, and Karin Schmidt. Novel high performance machine paradigms and fast-turnaround ASIC design methods. *Lecture Notes in Computer Science*, 705:211–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Basili:1993:KEP

[858] Victor R. Basili. Keynote: The experimental paradigm in software engineering. *Lecture Notes in Computer Science*, 706:3–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agresti:1993:PAA

[859] William W. Agresti. Profile of an artifact assessment capability. *Lecture Notes in Computer Science*, 706:13–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Belady:1993:EMS

[860] Les A. Belady. Experiments and measurements for systems integration. *Lecture Notes in Computer Science*, 706:17–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fuchs:1993:SES

[861] Norbert Fuchs. Software engineering still on the way to an engineering discipline. *Lecture Notes in Computer Science*, 706:19–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ludewig:1993:PMS

[862] Jochen Ludewig. Problems in modeling the software development process as an adventure game. *Lecture Notes in Computer Science*, 706:23–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Scacchi:1993:QTT

[863] Walt Scacchi. Qualitative techniques and tools for measuring, analyzing, and simulating software processes. *Lecture Notes in Computer Science*, 706:27–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tichy:1993:ECS

[864] Walter F. Tichy. On experimental computer science. *Lecture Notes in Computer Science*, 706:30–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agresti:1993:DS

[865] William Agresti. Discussion summary. *Lecture Notes in Computer Science*, 706:33–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cusumano:1993:KOC

[866] Michael A. Cusumano. Keynote: Objectives and context of software measurement, analysis and control. *Lecture Notes in Computer Science*, 706:41–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fenton:1993:PP

[867] Norman Fenton. Position paper. *Lecture Notes in Computer Science*, 706: 60–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Koch:1993:SEO

[868] Gunter R. Koch. Software engineering as an organisational challenge. *Lecture Notes in Computer Science*, 706:62–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Madhavji:1993:QMB

[869] Nazim H. Madhavji, John Botsford, Tilman F. W. Bruckhaus, and Khaled El Emam. Quantitative measurements based on process and context models. *Lecture Notes in Computer Science*, 706:67–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moller:1993:SIM

[870] Karl-Heinrich Moller. Selecting, implementing, and measuring methods to improve the software development process. *Lecture Notes in Computer Science*, 706:73–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Porter:1993:RMS

[871] Adam A. Porter. Rethinking measurement to support incremental process improvement. *Lecture Notes in Computer Science*, 706:77–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fenton:1993:DS

[872] Norman Fenton. Discussion summary. *Lecture Notes in Computer Science*, 706:82–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Selby:1993:KSM

[873] Richard W. Selby. Keynote: Software measurement and experimentation frameworks, mechanisms, and infrastructure. *Lecture Notes in Computer Science*, 706:89–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harrison:1993:TWD

[874] Warren Harrison. Towards well-defined, shareable product data. *Lecture Notes in Computer Science*, 706: 107–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Jeffery:1993:VUT

[875] Ross Jeffery. A view on the use of three research philosophies to address empirically determined weaknesses of the software engineering process. *Lecture Notes in Computer Science*, 706: 111–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kemerer:1993:BGB

[876] Chris F. Kemerer. Bridging the gap between research and practice in software engineering management: Reflections on the staffing factors paradox. *Lecture Notes in Computer Science*, 706:116–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kitchenham:1993:MES

[877] Barbara Kitchenham. A methodology for evaluating software engineering methods and tools. *Lecture Notes in Computer Science*, 706:121–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Muller:1993:ESE

[878] Hausi A. Muller. Experimental software engineering should concentrate on software evolution. *Lecture Notes in Computer Science*, 706:125–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sumner:1993:YAL

[879] Eric Sumner, Jr. Yet another laboratory for software engineering. *Lecture Notes in Computer Science*, 706:129–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zelkowitz:1993:AMP

[880] Marvin V. Zelkowitz. An axiomatic model for program complexity. *Lecture Notes in Computer Science*, 706: 133–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zuse:1993:SEM

[881] Horst Zuse. Support of experimentation by measurement theory. *Lecture Notes in Computer Science*, 706:137–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kitchenham:1993:DS

[882] Barbara Kitchenham. Discussion summary. *Lecture Notes in Computer Science*, 706:141–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Thebaut:1993:KTS

[883] Stephen M. Thebaut and Vincent Y. Shen. Keynote: Task-specific utility assessment models and their role in the development of software engineering handbooks. *Lecture Notes in Computer Science*, 706:151–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Briand:1993:QEM

[884] Lionel C. Briand. Quantitative empirical modeling for managing software development: Constraints, needs and solutions. *Lecture Notes in Computer*

Science, 706:158–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cantone:1993:SBC

[885] Giovanni Cantone. Software business, concurrent engineering and experience factory relationships. *Lecture Notes in Computer Science*, 706:164–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoffman:1993:EFS

[886] Daniel Hoffman. Establishing the fundamentals of software engineering. *Lecture Notes in Computer Science*, 706: 171–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Littlewood:1993:MBM

[887] Bev Littlewood. Measurement-based modelling issues — the problem of assuring ultra-high dependability. *Lecture Notes in Computer Science*, 706: 173–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

vonMayrhauser:1993:RSS

[888] Anneliese von Mayrhauser. The role of simulation in software engineering experimentation. *Lecture Notes in Computer Science*, 706:177–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Oivo:1993:MVS

[889] Markku Oivo. Multiple viewpoints of software models. *Lecture Notes in Computer Science*, 706:180–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

vonMayrhauser:1993:DS

[890] Anneliese von Mayrhauser. Discussion summary. *Lecture Notes in Computer Science*, 706:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wentzel:1993:KSE

[891] Kevin D. Wentzel. Keynote: Software engineering models, using and reusing. *Lecture Notes in Computer Science*, 706:191–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Endres:1993:MRT

[892] Albert Endres. Model reuse and technology transfer. *Lecture Notes in Computer Science*, 706:202–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feldman:1993:PRR

[893] Stuart I. Feldman. Packaging for reuse and reuse of models. *Lecture Notes in Computer Science*, 706:206–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lewerentz:1993:RCS

[894] Claus Lewerentz. A reuse culture for software construction. *Lecture Notes in Computer Science*, 706:210–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

McGarry:1993:ESE

[895] Frank McGarry. Experimental software engineering; packaging for reuse. *Lecture Notes in Computer Science*, 706: 213–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Schneidewind:1993:EDV

[896] Norman F. Schneidewind. Experimental designs for validating metrics and applying them across multiple projects. *Lecture Notes in Computer Science*, 706:216–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

McGarry:1993:DS

[897] Frank McGarry. Discussion summary. *Lecture Notes in Computer Science*, 706:221–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lehman:1993:KPP

[898] Manny M. Lehman. Keynote: Position paper. *Lecture Notes in Computer Science*, 706:229–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Marciniak:1993:TT

[899] John J. Marciniak. Technology transfer. *Lecture Notes in Computer Science*, 706:234–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rombach:1993:SST

[900] H. Dieter Rombach. Systematic software technology transfer. *Lecture Notes in Computer Science*, 706:239–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zweben:1993:EUM

[901] Stu Zweben. Effective use of measurement and experimentation in computing curricula. *Lecture Notes in Computer Science*, 706:247–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rombach:1993:DS

[902] H. Dieter Rombach. Discussion summary. *Lecture Notes in Computer Science*, 706:252–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lamming:1993:ICM

[903] Michael G. Lamming. Intimate computing and the memory prosthesis: A challenge for computer systems research? *Lecture Notes in Computer Science*, 707:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070001.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070001.pdf`.

Rosson:1993:APS

[904] Mary Beth Rosson and John M. Carroll. Active programming strategies in reuse. *Lecture Notes in Computer Science*, 707:4–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070004.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070004.pdf`.

Birrer:1993:FFE

[905] Andreas Birrer and Thomas Eggenschwiler. Frameworks in the financial engineering domain: An experience report. *Lecture Notes in Computer Science*, 707:21–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070021.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070021.pdf.

Holzle:1993:IID

[906] Urs Hölzle. Integrating independently-developed components in object-oriented languages. *Lecture Notes in Computer Science*, 707:36–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070036.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070036.pdf.

Black:1993:EP

[907] Andrew P. Black and Mark P. Immel. Encapsulating plurality. *Lecture Notes in Computer Science*, 707:57–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070057.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070057.pdf.

Konstantas:1993:OOI

[908] Dimitri Konstantas. Object oriented interoperability. *Lecture Notes in Computer Science*, 707:80–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070080.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070080.pdf.

Achauer:1993:IDT

[909] Bruno Achauer. Implementation of distributed trellis. *Lecture Notes in Computer Science*, 707:103–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070103.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070103.pdf.

Liskov:1993:NDS

[910] Barbara Liskov and Jeannette M. Wing. A new definition of the subtype relation. *Lecture Notes in Computer Science*, 707:118–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070118.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070118.pdf.

Caseau:1993:ASO

[911] Yves Caseau and Laurent Perron. Attaching second-order types to methods

in an object-oriented language. *Lecture Notes in Computer Science*, 707: 142–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070142.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070142.pdf.

Balsters:1993:TSB

[912] Herman Balsters, Rolf A. De By, and Roberto Zicari. Typed sets as a basis for object-oriented database schemas. *Lecture Notes in Computer Science*, 707:161–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070161.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070161.pdf.

Ashford:1993:OMO

[913] Colin Ashford. The OSI managed-object model. *Lecture Notes in Computer Science*, 707:185–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070185.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070185.pdf.

Steyaert:1993:NMM

[914] Patrick Steyaert, Wim Codenie, Theo D'hondt, Koen De Hondt, Carine Lucas, and Marc Van Limberghen. Nested mixin-methods in agora. *Lecture Notes in Computer Science*, 707: 197–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070197.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070197.pdf.

Meseguer:1993:SIA

[915] José Meseguer. Solving the inheritance anomaly in concurrent object-oriented programming. *Lecture Notes in Computer Science*, 707:220–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070220.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070220.pdf.

Agesen:1993:TIS

[916] Ole Agesen, Jens Palsberg, and Michael I. Schwartzbach. Type inference of SELF: Analysis of objects with dynamic and multiple inheritance. *Lecture Notes in Computer Science*, 707: 247–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070247.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070247.pdf.

Chambers:1993:PC

[917] Craig Chambers. Predicate classes. *Lecture Notes in Computer Science*, 707:268–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070268.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070268.pdf.

Rose:1993:TTO

[918] Ellen Rose and Arie Segev. TOOA: A temporal object-oriented algebra. *Lecture Notes in Computer Science*, 707: 297–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070297.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070297.pdf.

Satoh:1993:TCD

[919] Ichiro Satoh and Mario Tokoro. A timed calculus for distributed objects with clocks. *Lecture Notes in Computer Science*, 707:326–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070326.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070326.pdf.

Frolund:1993:LFM

[920] Svend Frølund and Gul Agha. A language framework for multi-object coordination. *Lecture Notes in Computer Science*, 707:346–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070346.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070346.pdf.

Assenmacher:1993:PSD

[921] Holger Assenmacher, Thomas Breitbach, Peter Buhler, Volker Hübsch, and Reinhard Schwarz. PANDA — supporting distributed programming in C++. *Lecture Notes in Computer Science*, 707:361–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070361.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070361.pdf.

Jezequel:1993:TPT

[922] Jean-Marc Jézéquel. Transparent parallelisation through reuse: Between a compiler and a library approach. *Lecture Notes in Computer Science*, 707: 384–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070384.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070384.pdf.

Gamma:1993:DPA

[923] Erich Gamma, Richard Helm, Ralph Johnson, and John Vlissides. Design patterns: Abstraction and reuse of object-oriented design. *Lecture Notes in Computer Science*, 707:406–431, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070406.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070406.pdf.

Gangopadhyay:1993:OTS

[924] Dipayan Gangopadhyay and Subrata Mitra. ObjChart: Tangible specification of reactive object behavior. *Lecture Notes in Computer Science*, 707:432–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070432.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070432.pdf.

Dubois:1993:RAA

[925] Eric Dubois, Philippe Du Bois, and Michaël Petit. O-O requirements analysis: An agent perspective. *Lecture Notes in Computer Science*, 707:458–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070458.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070458.pdf.

Chiba:1993:DED

[926] Shigeru Chiba and Takashi Masuda. Designing an extensible distributed language with a meta-level architecture. *Lecture Notes in Computer Science*, 707:482–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070482.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070482.pdf.

Johnson:1993:MFM

[927] Richard Johnson and Murugappan Palaniappan. MetaFlex: A flexible metaclass generator. *Lecture Notes in Computer Science*, 707:502–527, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070502.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070502.pdf.

Banahan:1993:PAM

[928] Mike Banahan, L. Peter Deutsch, Boris Magnusson, and Jens Palsberg. Panel: Aims, means, and futures of object-oriented languages. *Lecture Notes in Computer Science*, 707:528–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0707/07070528.htm; http://link.springer-ny.com/link/service/series/0558/papers/0707/07070528.pdf.

Anonymous:1993:AIb

[929] Anonymous. Author index. *Lecture Notes in Computer Science*, 707:531–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-

ny.com/link/service/series/0558/papers/0707/0707ind.pdf.

Boissonnat:1993:SPB

[930] J. D. Boissonnat, A. Cerezo, and J. Leblond. Shortest paths of bounded curvature in the plane. *Lecture Notes in Computer Science*, 708:3–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fraichard:1993:KPS

[931] Th. Fraichard and C. Laugier. Kinodynamic planning in a structured and time-varying workspace. *Lecture Notes in Computer Science*, 708:19–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Simeon:1993:MPN

[932] T. Simeon. Motion planning for a non-holonomic mobile robot on 3-dimensional terrains. *Lecture Notes in Computer Science*, 708:38–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liegeois:1993:OMP

[933] A. Liegeois and C. Moignard. Optimal motion planning of a mobile robot on a triangulated terrain model. *Lecture Notes in Computer Science*, 708:51–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lazanas:1993:LBR

[934] A. Lazanas and J. C. Latombe. Landmark-based robot motion planning. *Lecture Notes in Computer Science*, 708:69–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ahuactzin:1993:UGA

[935] J. M. Ahuactzin, El-Ghazali Talbi, P. Bessiere, and E. Mazer. Using genetic algorithms for robot motion planning. *Lecture Notes in Computer Science*, 708:84–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zapata:1993:FMR

[936] R. Zapata and P. Lepinay. Fast mobile robots in unstructured environments. *Lecture Notes in Computer Science*, 708:94–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Espiau:1993:NAV

[937] B. Espiau, F. Chaumette, and P. Rives. A new approach to visual servoing in robotics. *Lecture Notes in Computer Science*, 708:106–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mohr:1993:GSS

[938] R. Mohr and L. Morin. Geometric solutions to some 3D vision problems. *Lecture Notes in Computer Science*, 708:139–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chassery:1993:GRS

[939] J. M. Chassery and A. Montanvert. Geometrical representation of shapes and objects for visual perception. *Lecture Notes in Computer Science*, 708:163–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zoppis:1993:PGSa

[940] B. Zoppis, G. Calvary, and J. L. Crowley. Perceptual grouping for scene interpretation in an active vision system. *Lecture Notes in Computer Science*, 708:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moutarlier:1993:IFS

[941] P. Moutarlier and R. Chatila. Incremental free-space modelling from uncertain data by an autonomous mobile robot. *Lecture Notes in Computer Science*, 708:200–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lavallee:1993:MDS

[942] S. Lavallee, R. Szeliski, and L. Brunie. Matching 3-D smooth surfaces with their 2-D projections using 3-D distance maps. *Lecture Notes in Computer Science*, 708:217–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nastar:1993:NPB

[943] C. Nastar and N. Ayache. A new physically based model for efficient tracking and analysis of deformations. *Lecture Notes in Computer Science*, 708: 239–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leitner:1993:SSS

[944] F. Leitner and P. Cinquin. From splines and snakes to SNAKE SPLINES. *Lecture Notes in Computer Science*, 708: 264–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Atallah:1993:CAP

[945] M. J. Atallah and D. Z. Chen. Computing the all-pairs longest chains in the plane. *Lecture Notes in Computer Science*, 709:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Borodin:1993:TBU

[946] A. Borodin. Towards a better understanding of pure packet routing. *Lecture Notes in Computer Science*, 709: 14–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cole:1993:TFM

[947] R. Cole. Tolerating faults in meshes and other networks (abstract). *Lecture Notes in Computer Science*, 709:26–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karp:1993:GBS

[948] R. M. Karp. A generalization of binary search. *Lecture Notes in Computer Science*, 709:27–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yao:1993:GAC

[949] A. C. Yao. Groups and algebraic complexity (abstract). *Lecture Notes in Computer Science*, 709:35–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agarwal:1993:CCS

[950] P. K. Agarwal and M. Van Kreveld. Connected component and simple polygon intersection searching. *Lecture Notes in Computer Science*, 709:36–??,

1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amato:1993:OAF

[951] N. M. Amato. An optimal algorithm for finding the separation of simple polygons. *Lecture Notes in Computer Science*, 709:48–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andersson:1993:BST

[952] A. Andersson. Balanced search trees made simple. *Lecture Notes in Computer Science*, 709:60–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aoki:1993:PSH

[953] Y. Aoki, H. Imai, K. Imai, and D. Rappaport. Probing a set of hyperplanes by lines and related problems. *Lecture Notes in Computer Science*, 709:72–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arge:1993:GLB

[954] L. Arge, M. Knudsen, and K. Larsen. A general lower bound on the I/O-complexity of comparison-based algorithms. *Lecture Notes in Computer Science*, 709:83–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arkin:1993:PPD

[955] E. M. Arkin, M. T. Goodrich, J. S. B. Mitchell, D. Mount, C. D. Piatko, and S. S. Skiena. Point probe decision trees for geometric concept classes. *Lecture Notes in Computer Science*, 709:95–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Armon:1993:DSA

[956] D. Armon and J. Reif. A dynamic separator algorithm. *Lecture Notes in Computer Science*, 709:107–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Azar:1993:OLB

[957] Y. Azar, B. Kalyanasundaram, S. Plotkin, K. R. Pruhs, and O. Waarts. Online load balancing of temporary tasks. *Lecture Notes in Computer Science*, 709:119–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Balakrishnan:1993:CDS

[958] H. Balakrishnan, A. Rajaraman, and C. P. Rangan. Connected domination and Steiner set on asteroidal triple-free graphs. *Lecture Notes in Computer Science*, 709:131–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Balasubramanian:1993:CFC

[959] R. Balasubramanian, V. Raman, and G. Srinivasaraghavan. The complexity of finding certain trees in tournaments. *Lecture Notes in Computer Science*, 709:142–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiBattista:1993:SOR

[960] G. Di Battista, G. Liotta, and F. Vargiu. Spirality of orthogonal representations and optimal drawings of series-parallel graphs and 3-Planar graphs. *Lecture Notes in Computer Science*, 709:151–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beame:1993:SPE

[961] P. Beame, F. E. Fich, and R. K. Sinha. Separating the power of EREW and CREW PRAMs with small communication width. *Lecture Notes in Computer Science*, 709:163–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berkman:1993:TLU

[962] O. Berkman, Y. Matias, and P. Ragde. Triply-logarithmic upper and lower bounds for minimum, range minima, and related problems with integer inputs. *Lecture Notes in Computer Science*, 709:175–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bern:1993:PCQ

[963] M. Bern, D. Eppstein, and S.-H. Teng. Parallel construction of quadtrees and quality triangulations. *Lecture Notes in Computer Science*, 709:188–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bose:1993:PMP

[964] P. Bose, J. F. Buss, and A. Lubiw. Pattern matching for permutations. *Lecture Notes in Computer Science*, 709:200–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bose:1993:FPM

[965] P. Bose, M. Van Kreveld, and G. Toussaint. Filling polyhedral molds. *Lecture Notes in Computer Science*, 709: 210–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chang:1993:DQE

[966] M.-S. Chang, S.-L. Peng, and J.-L. Liaw. Deferred-query — an efficient approach for problems on interval and circular-arc graphs. *Lecture Notes in Computer Science*, 709:222–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1993:CGE

[967] J. Chen, S. P. Kanchi, and A. Kanevsky. On the complexity of graph embeddings. *Lecture Notes in Computer Science*, 709:234–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clarkson:1993:APC

[968] K. L. Clarkson. Algorithms for polytope covering and approximation. *Lecture Notes in Computer Science*, 709: 246–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Codenotti:1993:GSA

[969] B. Codenotti, G. Manzini, L. Margara, and G. Resta. Global strategies for augmenting the efficiency of TSP heuristics. *Lecture Notes in Computer Science*, 709:253–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Datta:1993:SDA

[970] A. Datta, H.-P. Lenhof, C. Schwarz, and M. Smid. Static and dynamic algorithms for k-point clustering problems. *Lecture Notes in Computer Science*, 709:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Devillers:1993:SAB

[971] O. Devillers and A. Fabri. Scalable algorithms for bichromatic line segment intersection problems on coarse grained multicomputers. *Lecture Notes in Computer Science*, 709:277–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dietz:1993:PRP

[972] P. F. Dietz and R. Raman. Persistence, randomization and parallelization: On some combinatorial games and their applications. *Lecture Notes in Computer Science*, 709:289–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ding:1993:KDH

[973] Y. Ding and M. A. Weiss. The k-D heap: An efficient multi-dimensional priority queue. *Lecture Notes in Computer Science*, 709:302–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dobrindt:1993:CEA

[974] K. Dobrindt, K. Mehlhorn, and M. Yvinec. A complete and efficient algorithm for the intersection of a general and a convex polyhedron. *Lecture Notes in Computer Science*, 709:314–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Efrat:1993:CSE

[975] A. Efrat, M. Sharir, and A. Ziv. Computing the smallest k-enclosing circle and related problems. *Lecture Notes in Computer Science*, 709:325–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giancarlo:1993:IDS

[976] R. Giancarlo. An index data structure for matrices, with applications to fast two-dimensional pattern matching. *Lecture Notes in Computer Science*, 709:337–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Graf:1993:PSA

[977] T. Graf and K. Hinrichs. A plane-sweep algorithm for the all-nearest-neighbors problem for a set of convex planar objects. *Lecture Notes in Computer Science*, 709:349–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gupta:1993:FRG

[978] P. Gupta, R. Janardan, and M. Smid. Further results on generalized intersection searching problems: Counting, reporting, and dynamization. *Lecture Notes in Computer Science*, 709:361–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heffernan:1993:GAA

[979] P. J. Heffernan. Generalized approximate algorithms for point set congruence. *Lecture Notes in Computer Science*, 709:373–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jiang:1993:ASS

[980] T. Jiang and M. Li. Approximating shortest superstrings with constraints. *Lecture Notes in Computer Science*, 709:385–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kannan:1993:TRP

[981] S. Kannan and T. Warnow. Tree reconstruction from partial orders. *Lecture Notes in Computer Science*, 709: 397–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kao:1993:IPD

[982] M.-Y. Kao, S.-H. Teng, and K. Toyama. Improved parallel depth-first search in undirected planar graphs. *Lecture Notes in Computer Science*, 709:409–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karger:1993:ALP

[983] D. Karger, R. Motwani, and G. D. S. Ramkumar. On approximating the longest path in a graph. *Lecture Notes in Computer Science*, 709:421–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Khuller:1993:DMC

[984] S. Khuller, B. Raghavachari, and N. Young. Designing multi-commodity flow trees. *Lecture Notes in Computer Science*, 709:433–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klein:1993:FDA

[985] P. N. Klein and S. Subramanian. A fully dynamic approximation scheme for all-pairs paths in planar graphs. *Lecture Notes in Computer Science*, 709:442–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VanKreveld:1993:FPF

[986] M. Van Kreveld. On fat partitioning, fat covering, and the union size of polygons. *Lecture Notes in Computer Science*, 709:452–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krizanc:1993:TRT

[987] D. Krizanc. A time-randomness tradeoff for selection in parallel. *Lecture Notes in Computer Science*, 709:464–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lu:1993:DRC

[988] H.-I. Lu, P. N. Klein, and R. H. B. Netzer. Detecting race conditions in parallel programs that use one semaphore. *Lecture Notes in Computer Science*, 709:471–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maggs:1993:AFP

[989] B. M. Maggs and M. Rauch. An algorithm for finding predecessors in integer sets. *Lecture Notes in Computer Science*, 709:483–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maier:1993:ESM

[990] R. S. Maier and R. Schott. The exhaustion of shared memory: Stochastic results. *Lecture Notes in Computer Science*, 709:494–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mirzaian:1993:MWE

[991] A. Mirzaian. Minimum weight Euclidean matching and weighted relative neighborhood graphs. *Lecture Notes in Computer Science*, 709:506–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mitra:1993:EAS

[992] P. Mitra and B. Bhattacharya. Efficient approximate shortest-path queries among isothetic rectangular obstacles. *Lecture Notes in Computer Science*, 709:518–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Palazzi:1993:CRR

[993] L. Palazzi and J. Snoeyink. Counting and reporting red/blue segment intersections. *Lecture Notes in Computer Science*, 709:530–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pellegrini:1993:RHS

[994] M. Pellegrini. Repetitive hidden-surface-removal for polyhedral scenes. *Lecture Notes in Computer Science*, 709:541–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DePrisco:1993:RVL

[995] R. De Prisco and A. Monti. On reconfigurability of VLSI linear arrays. *Lecture Notes in Computer Science*, 709:553–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Skiena:1993:RSS

[996] S. S. Skiena and G. Sundaram. Reconstructing strings from substrings. *Lecture Notes in Computer Science*, 709: 565–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Souvaine:1993:CCS

[997] D. L. Souvaine and C.-K. Yap. Combinatorial complexity of signed discs. *Lecture Notes in Computer Science*, 709:577–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stallmann:1993:FAO

[998] M. F. M. Stallmann and T. A. Hughes. Fast algorithms for one-dimensional compaction with jog insertion. *Lecture Notes in Computer Science*, 709:589–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Swanson:1993:OAR

[999] K. Swanson. An optimal algorithm for roundness determination on convex polygons. *Lecture Notes in Computer Science*, 709:601–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Telle:1993:PAP

[1000] J. A. Telle and A. Proskurowski. Practical algorithms on partial k-trees with an application to domination-like problems. *Lecture Notes in Computer Science*, 709:610–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Westbrook:1993:GAL

[1001] J. Westbrook and D. C. K. Yan. Greedy algorithms for the on-line Steiner tree and generalized Steiner problems. *Lecture Notes in Computer Science*, 709: 622–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diekert:1993:RMF

[1002] V. Diekert. Rewriting, mobius functions and semi-commutations. *Lecture Notes in Computer Science*, 710:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dietzfelbinger:1993:SBD

[1003] M. Dietzfelbinger. Simulations between different models of parallel computers. *Lecture Notes in Computer Science*, 710:16–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ito:1993:DDP

[1004] M. Ito. Dense and disjunctive properties of languages. *Lecture Notes in Computer Science*, 710:31–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jurgensen:1993:HC

[1005] H. Jurgensen and S. Konstantinidis. The hierarchy of codes. *Lecture Notes in Computer Science*, 710:50–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kreowski:1993:FFH

[1006] H.-J. Kreowski. Five facets of hyperedge replacement beyond context-freeness. *Lecture Notes in Computer Science*, 710:69–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Milner:1993:ASS

[1007] R. Milner. An action structure for synchronous pi-calculus. *Lecture Notes in Computer Science*, 710:87–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pudlak:1993:CCS

[1008] R. Pudlak. AC^0 circuit complexity. A survey of lower bounds. *Lecture Notes in Computer Science*, 710:106–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Salomaa:1993:PLP

[1009] A. Salomaa. Pattern languages: Problems of decidability and generation. *Lecture Notes in Computer Science*, 710:121–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abdulrab:1993:GSM

[1010] H. Abdulrab and M. Maksimenko. General solution of mirror equation. *Lecture Notes in Computer Science*, 710:133–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andre:1993:DEL

[1011] Y. Andre and F. Bossut. Decidability of equivalence for linear letter to letter top-down tree transducers. *Lecture Notes in Computer Science*, 710:142–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bergstra:1993:TBF

[1012] J. A. Bergstra and Gh. Stefanescu. Translations between flowchart schemes and process graphs. *Lecture Notes in Computer Science*, 710:152–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cazanescu:1993:LEL

[1013] V. E. Cazanescu. Local equational logic. *Lecture Notes in Computer Science*, 710:162–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chrzastowski-Wachtel:1993:LWC

[1014] P. Chrzastowski-Wachtel and M. Raczunas. Liveness of weighted circuits and the Diophantine problem of Frobenius. *Lecture Notes in Computer Science*, 710:171–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Courcelle:1993:CFG

[1015] B. Courcelle. Context-free graph grammars: Separating vertex replacement from hyperedge replacement. *Lecture Notes in Computer Science*, 710:181–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Domosi:1993:FLC

[1016] P. Domosi, S. Horvath, M. Ito, L. Kaszonyi, and M. Katsura. Formal languages consisting of primitive words. *Lecture Notes in Computer Science*, 710:194–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Durand:1993:USP

[1017] B. Durand. Undecidability of the surjectivity problem for 2D cellular automata: A simplified proof. *Lecture Notes in Computer Science*, 710:204–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ebert:1993:EIS

[1018] J. Ebert. Efficient interpretation of state charts. *Lecture Notes in Computer Science*, 710:212–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fassbender:1993:IUU

[1019] H. Fassbender. Implementation of a universal unification algorithm for macro tree transducers. *Lecture Notes in Computer Science*, 710:222–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fischer:1993:FMC

[1020] P. Fischer. Finding maximum convex polygons. *Lecture Notes in Computer Science*, 710:234–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fischer:1993:AAA

[1021] P. Fischer, K.-U. Hoffgen, H. Lefmann, and T. Luczak. Approximations with axis-aligned rectangles. *Lecture Notes in Computer Science*, 710:244–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Girkar:1993:VSA

[1022] M. Girkar and R. Moll. Vector sequence analysis and full weak safety for concurrent systems. *Lecture Notes in Computer Science*, 710:256–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Groger:1993:DTH

[1023] H. D. Groger. Does transitivity help? on the complexity of poset properties. *Lecture Notes in Computer Science*, 710:266–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hagerup:1993:GTS

[1024] T. Hagerup and M. Maas. Generalized topological sorting in linear time. *Lecture Notes in Computer Science*, 710:279–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hemachandra:1993:ECS

[1025] L. A. Hemachandra and R. Silvestri. Easily checked self-reducibility. *Lecture Notes in Computer Science*, 710:289–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Holzer:1993:CLL

[1026] M. Holzer and K.-J. Lange. On the complexities of linear LL(1) and LR(1) grammars. *Lecture Notes in Computer Science*, 710:299–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hung:1993:RBF

[1027] D. V. Hung and T. V. Dung. On the relation between firing sequences and processes of Petri nets. *Lecture Notes in Computer Science*, 710:309–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jansen:1993:MCD

[1028] K. Jansen, P. Scheffler, and G. Woeginger. Maximum covering with D cliques. *Lecture Notes in Computer Science*, 710:319–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kemp:1993:MLO

[1029] R. Kemp. Monotonically labelled ordered trees and multidimensional binary trees. *Lecture Notes in Computer Science*, 710:329–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kuske:1993:MPL

[1030] S. Kuske. Maximum path length pumping lemma for edge-replacement languages. *Lecture Notes in Computer Science*, 710:342–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maier:1993:RAS

[1031] R. S. Maier and R. Schott. Regular approximations to shuffle products of context-free languages, and convergence of their generating functions. *Lecture Notes in Computer Science*, 710:352–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Manes:1993:ETB

[1032] E. G. Manes. The equational theory of a Boolean monad. *Lecture Notes in Computer Science*, 710:363–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Margenstern:1993:NET

[1033] M. Margenstern. Non erasing Turing machines: A frontier between a decidable halting problem and universality. *Lecture Notes in Computer Science*, 710:375–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mateescu:1993:SSM

[1034] A. Mateescu. On scattered syntactic monoids. *Lecture Notes in Computer Science*, 710:386–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Potthoff:1993:RTL

[1035] A. Potthoff and W. Thomas. Regular tree languages without unary symbols are star-free. *Lecture Notes in Computer Science*, 710:396–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Roka:1993:OWC

[1036] Z. Roka. One-way cellular automata on Cayley graphs. *Lecture Notes in Computer Science*, 710:406–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ruzicka:1993:TPU

[1037] P. Ruzicka and I. Privara. On tree pattern unification problems. *Lecture Notes in Computer Science*, 710:418–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Salomaa:1993:SEE

[1038] K. Salomaa, D. Wood, and S. Yu. Structural equivalence and ETOL grammars. *Lecture Notes in Computer Science*, 710:430–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Slutzki:1993:HDT

[1039] G. Slutzki and S. Vagvolgyi. A hierarchy of deterministic top-down tree transformations. *Lecture Notes in Computer Science*, 710:440–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wu:1993:STT

[1040] H. Wu. Synthesis of $O(\lg n)$ testable trees. *Lecture Notes in Computer Science*, 710:452–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yin:1993:LRP

[1041] J. Yin and Z. Hong. On the learnability of a restricted predicate formulae. *Lecture Notes in Computer Science*, 710:462–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Apt:1993:KRA

[1042] K. R. Apt and S. Etalle. Krzysztof R. Apt: On the unification free Prolog programs. *Lecture Notes in Computer Science*, 711:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arnold:1993:AAE

[1043] A. Arnold and A. Dicky. Andre Arnold: Equivalences and preorders of transition systems. *Lecture Notes in Computer Science*, 711:20–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

McKinna:1993:RBD

[1044] J. McKinna and R. Burstall. Rod Burstall: Deliverables: a categorical approach to program development in type theory. *Lecture Notes in Computer Science*, 711:32–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:VDC

[1045] Anonymous. Volker Diekert: Complex and complex-like traces. *Lecture Notes in Computer Science*, 711:68–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:MHS

[1046] Anonymous. Matthew Hennessy: Symbolic bisimulations (abstract). *Lecture Notes in Computer Science*, 711:83–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Honsell:1993:FHS

[1047] F. Honsell and M. Lenisa. Furio Honsell: Some results on the full abstraction problem for restricted lambda calculi. *Lecture Notes in Computer Science*, 711:84–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:RMA

[1048] Anonymous. Robin Milner: Action calculi, or syntactic action structures. *Lecture Notes in Computer Science*, 711:105–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pitts:1993:AMP

[1049] A. M. Pitts and I. D. B. Stark. Andrew M. Pitts: Observable properties of higher order functions that dynamically create local names, or: What's new? *Lecture Notes in Computer Science*, 711:122–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:VPS

[1050] Anonymous. Vaughan Pratt: The second calculus of binary relations. *Lecture Notes in Computer Science*, 711: 142–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ehrenfeucht:1993:GRI

[1051] A. Ehrenfeucht and G. Rozenberg. Grzegorz Rozenberg: An introduction to dynamic labeled 2-structures. *Lecture Notes in Computer Science*, 711: 156–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mateescu:1993:AKS

[1052] A. Mateescu and A. Salomaa. Arto K. Salomaa: Post correspondence problem: Primitivity and interrelations with complexity classes. *Lecture Notes in Computer Science*, 711:174–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:PWT

[1053] Anonymous. Philip Wadler: A taste of linear logic. *Lecture Notes in Computer Science*, 711:185–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alonso:1993:TIP

[1054] L. Alonso and R. Schott. On the tree inclusion problem. *Lecture Notes in Computer Science*, 711:211–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amadio:1993:APM

[1055] R. Amadio. On the adequacy of per models. *Lecture Notes in Computer Science*, 711:222–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arvind:1993:HRS

[1056] V. Arvind, J. Kobler, and M. Mundhenk. Hausdorff reductions to sparse sets and to sets of high information content. *Lecture Notes in Computer Science*, 711:232–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Astesiano:1993:SHT

[1057] E. Astesiano, G. Reggio, and E. Zucca. Stores as homomorphisms and their transformations. *Lecture Notes in Computer Science*, 711:242–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deBakker:1993:CSL

[1058] J. W. de Bakker, F. Van Breugel, and A. de Bruin. Comparative semantics for linear arrays of communicating processes, a study of the UNIX fork and pipe commands. *Lecture Notes in Computer Science*, 711:252–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beauquier:1993:RTA

[1059] D. Beauquier and A. Podelski. Rabin tree automata and finite monoids. *Lecture Notes in Computer Science*, 711: 262–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benke:1993:ETR

[1060] M. Benke. Efficient type reconstruction in the presence of inheritance. *Lecture Notes in Computer Science*, 711:272–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berstel:1993:CSM

[1061] J. Berstel and P. Seebold. A characterization of Sturmian morphisms. *Lecture Notes in Computer Science*, 711: 281–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bodlaender:1993:CSI

[1062] H. L. Bodlaender and K. Jansen. On the complexity of scheduling incompatible jobs with unit-times. *Lecture Notes in Computer Science*, 711:291–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonsangue:1993:IBP

[1063] M. Bonsangue and J. N. Kok. Isomorphisms between predicate and state transformers. *Lecture Notes in Computer Science*, 711:301–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liming:1993:ANP

[1064] Cai Liming and Chen Jianer. On the amount of nondeterminism and the power of verifying. *Lecture Notes in Computer Science*, 711:311–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castellani:1993:ODP

[1065] I. Castellani. Observing distribution in processes. *Lecture Notes in Computer Science*, 711:321–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cerin:1993:SRT

[1066] C. Cerin and A. Petit. Speedup of recognizable trace languages. *Lecture Notes in Computer Science*, 711:332–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cerioli:1993:MBY

[1067] M. Cerioli and J. Meseguer. May I borrow your logic? *Lecture Notes in Computer Science*, 711:342–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chaudhuri:1993:AED

[1068] S. Chaudhuri, T. Hagerup, and R. Raman. Approximate and exact deterministic parallel selection. *Lecture Notes in Computer Science*, 711:352–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jian:1993:DSS

[1069] Chen Jian and J. Staples. Defining soft sortedness by abstract interpretation. *Lecture Notes in Computer Science*, 711:362–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liang:1993:MRT

[1070] Chen Liang. A model for real-time process algebras. *Lecture Notes in Computer Science*, 711:372–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Costa:1993:DEM

[1071] J. F. Costa, A. Sernadas, and C. Sernadas. Data encapsulation and modularity: Three views of inheritance. *Lecture Notes in Computer Science*, 711:382–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Culik:1993:ICU

[1072] K. Culik II and J. Kari. Image compression using weighted finite automata. *Lecture Notes in Computer Science*, 711:392–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dezani-Ciancaglini:1993:FMP

[1073] M. Dezani-Ciancaglini, U. De'liguoro, and A. Piperno. Filter models for a parallel and non deterministic lambda-calculus. *Lecture Notes in Computer Science*, 711:403–??, 1993. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

diGianantonio:1993:RNC

[1074] P. di Gianantonio. Real number computability and domain theory. *Lecture Notes in Computer Science*, 711:413–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diskin:1993:LSA

[1075] Z. B. Diskin and I. D. Beylin. Lambda substitution algebras. *Lecture Notes in Computer Science*, 711:423–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Durand:1993:GPC

[1076] B. Durand. Global properties of 2D cellular automata: Some complexity results. *Lecture Notes in Computer Science*, 711:433–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Engberg:1993:CRL

[1077] U. Engberg and G. Winskel. Completeness results for linear logic on Petri nets. *Lecture Notes in Computer Science*, 711:442–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fantechi:1993:ELB

[1078] A. Fantechi, S. Gnesi, and V. Perticaroli. An expressive logic for basic process algebra. *Lecture Notes in Computer Science*, 711:453–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Frandsen:1993:CFR

[1079] G. S. Frandsen, P. B. Miltersen, and S. Skyum. The complexity of finding replicas using equality tests. *Lecture Notes in Computer Science*, 711:463–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VanGlabbeek:1993:CAB

[1080] R. J. Van Glabbeek. A complete axiomatization for branching bisimulation congruence of finite-state behaviours. *Lecture Notes in Computer Science*, 711:473–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deHaas:1993:OOA

[1081] E. de Haas and P. Van Emde Boas. Object oriented application flow graphs and their semantics. *Lecture Notes in Computer Science*, 711:485–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hromkovic:1993:SHC

[1082] J. Hromkovic, J. Kari, and L. Kari. Some hierarchies for the communication complexity measures of cooperating grammar systems. *Lecture Notes in Computer Science*, 711:495–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ibarra:1993:EPG

[1083] L. Ibarra and D. Richards. Efficient parallel graph algorithms based on open ear decomposition. *Lecture Notes in Computer Science*, 711:506–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ibarra:1993:CCP

[1084] O. H. Ibarra and N. Tran. On the communication complexity of parallel computation. *Lecture Notes in Computer Science*, 711:517–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jancar:1993:TFA

[1085] P. Jancar, F. Mraz, and M. Platek. A taxonomy of forgetting automata. *Lecture Notes in Computer Science*, 711: 527–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

He:1993:HPP

[1086] Jifeng He. Hybrid parallel programming and implementation of synchronised communication. *Lecture Notes in Computer Science*, 711:537–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kiehn:1993:PSC

[1087] A. Kiehn. Proof systems for cause based equivalences. *Lecture Notes in Computer Science*, 711:547–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Martin:1993:UUC

[1088] B. Martin. A uniform universal CREW PRAM. *Lecture Notes in Computer Science*, 711:557–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Murphy:1993:OLC

[1089] D. Murphy. Observing located concurrency. *Lecture Notes in Computer Science*, 711:566–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Narbel:1993:BSS

[1090] P. Narbel. The boundary of substitution systems. *Lecture Notes in Computer Science*, 711:577–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Neraud:1993:NAD

[1091] J. Neraud. New algorithms for detecting morphic images of a word. *Lecture Notes in Computer Science*, 711: 588–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

PAczkowski:1993:INI

[1092] P. P/Aczkowski. Ignoring nonessential interleavings in assertional reasoning on concurrent programs. *Lecture Notes in Computer Science*, 711:598–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Parigot:1993:CTR

[1093] M. Parigot and P. Roziere. Constant time reductions in lambda-calculus. *Lecture Notes in Computer Science*, 711:608–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Parisi-Presicce:1993:HUA

[1094] F. Parisi-Presicce and S. Veglioni. Heterogeneous unified algebra. *Lecture Notes in Computer Science*, 711:618–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pigozzi:1993:RTL

[1095] D. Pigozzi and A. Salibra. A representation theorem for lambda abstraction algebras. *Lecture Notes in Computer Science*, 711:629–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pliuskevicius:1993:SCL

[1096] R. Pliuskevicius. On saturated calculi for a linear temporal logic. *Lecture Notes in Computer Science*, 711:640–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Puhlmann:1993:SPD

[1097] H. Puhlmann. The snack powerdomain for database semantics. *Lecture Notes in Computer Science*, 711:650–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reus:1993:VPM

[1098] B. Reus and T. Streicher. Verifying properties of module construction in type theory. *Lecture Notes in Computer Science*, 711:660–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ruzicka:1993:TST

[1099] P. Ruzicka and J. Waczulik. On time-space trade-offs in dynamic graph pebbling. *Lecture Notes in Computer Science*, 711:671–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sassone:1993:DBM

[1100] V. Sassone, M. Nielsen, and G. Winskel. Deterministic behavioural models for concurrency. *Lecture Notes in Computer Science*, 711:682–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Scholefield:1993:RTR

[1101] D. Scholefield, H. Zedan, and Jifeng He. Real-time refinement: Semantics and application. *Lecture Notes in Computer Science*, 711:693–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Steffen:1993:DTE

[1102] B. Steffen and C. Weise. Deciding testing equivalence for real-time processes with dense time. *Lecture Notes in Computer Science*, 711:703–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stephan:1993:CHO

[1103] W. Stephan and A. Wolpers. A calculus for higher order procedures with global variables. *Lecture Notes in Computer Science*, 711:714–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stevens:1993:VSI

[1104] D. Stevens. Variable substitution with iconic combinators. *Lecture Notes in Computer Science*, 711:724–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Treinen:1993:FCF

[1105] R. Treinen. Feature constraints with first-class features. *Lecture Notes in*

Computer Science, 711:734–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wagner:1993:BMC

[1106] D. Wagner and F. Wagner. Between min cut and graph bisection. *Lecture Notes in Computer Science*, 711:744–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wanke:1993:PCF

[1107] E. Wanke. Paths and cycles in finite periodic graphs. *Lecture Notes in Computer Science*, 711:751–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jilei:1993:LDL

[1108] Yin Jilei and Hong Zhu. Learning decision lists from noisy examples. *Lecture Notes in Computer Science*, 711:761–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zabel:1993:ATF

[1109] N. Zabel. Analytic tableaux for finite and infinite Post logics. *Lecture Notes in Computer Science*, 711:767–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:Sa

[1110] Anonymous. Session 1. *Lecture Notes in Computer Science*, 712:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jeffay:1993:ABE

[1111] K. Jeffay, D. L. Stone, T. Talley, and F. D. Smith. Adaptive, best-effort delivery of digital audio and video across packet-switched networks. *Lecture Notes in Computer Science*, 712:3–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smit:1993:ARR

[1112] Gerard J. M. Smit and Paul J. M. Havinga. The architecture of rattlesnake: A real-time multimedia network. *Lecture Notes in Computer Science*, 712:15–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Herrtwich:1993:BSI

[1113] Ralf Guido Herrtwich and Luca Delgrossi. Beyond ST-II: Fulfilling the requirements of multimedia communication. *Lecture Notes in Computer Science*, 712:25–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Needham:1993:ART

[1114] Roger Needham and Akira Nakamura. An approach to real-time scheduling — but is it really a problem for multimedia? *Lecture Notes in Computer Science*, 712:32–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:Sb

[1115] Anonymous. Session 2. *Lecture Notes in Computer Science*, 712:40–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yu:1993:DAG

[1116] Philip S. Yu, Chen Mon-Song, and Dilip D. Kandlur. Design and analysis of a grouped sweeping scheme for multimedia storage management. *Lecture Notes in Computer Science*, 712:44–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vin:1993:ACA

[1117] Harrick M. Vin and P. Venkat Rangan. Admission control algorithms for multimedia on-demand servers. *Lecture Notes in Computer Science*, 712:56–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lougher:1993:DIC

[1118] Phillip Lougher and Doug Shepherd. The design and implementation of a continuous media storage server. *Lecture Notes in Computer Science*, 712: 69–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nichols:1993:PSD

[1119] Kathleen M. Nichols. Performance studies of digital video in a client/ server environment. *Lecture Notes in Computer Science*, 712:81–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:Sc

[1120] Anonymous. Session 3. *Lecture Notes in Computer Science*, 712:92–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carmo:1993:BSC

[1121] Luiz F. Rust Da Costa Carmo, Pierre De Saqui-Sannes, and Jean-Pierre Courtiat. Basic synchronization concepts in muldimedia systems. *Lecture Notes in Computer Science*, 712:94–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rothermel:1993:SJV

[1122] Kurt Rothermel and Gabriel Dermler. Synchronization in joint-viewing environments. *Lecture Notes in Computer Science*, 712:106–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bulterman:1993:SMS

[1123] Dick C. A. Bulterman. Synchronization of multi-sourced multimedia data for heterogeneous target systems. *Lecture Notes in Computer Science*, 712: 119–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Little:1993:ISC

[1124] T. D. C. Little and F. Kao. An intermedia skew control system for multimedia data presentation. *Lecture Notes in Computer Science*, 712:130–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:Sd

[1125] Anonymous. Session 4. *Lecture Notes in Computer Science*, 712:142–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moran:1993:SSE

[1126] Mark Moran and Riccardo Gusella. System support for efficient dynamically-configurable multi-party interactive multimedia applications. *Lecture Notes in Computer Science*, 712:143–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

New:1993:RND

[1127] Darren New, Jonathan Rosenberg, Gil Cruz, and Tom Judd. Requirements for network delivery of stored interactive multimedia. *Lecture Notes in Computer Science*, 712:157–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baker:1993:MPM

[1128] Rusti Baker, Alan Downing, Kate Finn, Earl Rennison, Doohyun David Kim, and Hwan Lim Young. Multimedia processing model for a distributed multimedia I/O system. *Lecture Notes in Computer Science*, 712: 164–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arango:1993:ETM

[1129] Mauricio Arango, Michael Kramer, Steven L. Rohall, Lillian Ruston, and Abel Weinrib. Enhancing the touring machine API to support integrated digital transport. *Lecture Notes in Computer Science*, 712:176–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:Se

[1130] Anonymous. Session 5. *Lecture Notes in Computer Science*, 712:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hui:1993:PMR

[1131] Zhang Hui and Tom Fisher. Preliminary measurement of the RMTP/RTIP. *Lecture Notes in Computer Science*, 712:185–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pasquale:1993:MMC

[1132] Joseph C. Pasquale, George C. Plyzos, Eric W. Anderson, and Vachaspathi P. Kompella. The multimedia multicast channel. *Lecture Notes in Computer Science*, 712:197–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liming:1993:ARM

[1133] Wei Liming, Liaw Fongching, Deborah Estrin, Allyn Romanow, and Tom Lyon. Analysis of a resequencer model for multicast over ATM networks. *Lecture Notes in Computer Science*, 712:209–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:Sf

[1134] Anonymous. Session 6. *Lecture Notes in Computer Science*, 712:221–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blair:1993:IPC

[1135] G. Blair, G. Coulson, P. Auzimour, L. Hazard, F. Horn, and J. B. Stefani. An integrated platform and computational model for open distributed multimedia applications. *Lecture Notes in*

Computer Science, 712:223–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buchanan:1993:SMD

[1136] M. Cecelia Buchanan and Polle T. Zellweger. Scheduling multimedia documents using temporal constraints. *Lecture Notes in Computer Science*, 712: 237–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smith:1993:SSD

[1137] Thomas G. Aguierre Smith and Glorianna Davenport. The stratification system: A design environment for random access video. *Lecture Notes in Computer Science*, 712:250–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Koegel:1993:DMI

[1138] John F. Koegel. On the design of multimedia interchange formats. *Lecture Notes in Computer Science*, 712:262–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:Sg

[1139] Anonymous. Session 7. *Lecture Notes in Computer Science*, 712:272–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wall:1993:BBM

[1140] Gerard A. Wall, James G. Hanko, and J. Duane Northcutt. Bus bandwidth management in a high resolution video workstation. *Lecture Notes in Computer Science*, 712:274–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Druschel:1993:ASD

[1141] Peter Druschel, Mark B. Abbott, Michael Pagels, and Larry L. Peterson. Analysis of I/O subsystem design for multimedia workstation. *Lecture Notes in Computer Science*, 712: 289–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dannenberg:1993:TTL

[1142] Roger B. Dannenberg, Tom Neuendorffer, Joseph M. Newcomer, and Dean Rubine. Tactus: Toolkit-level support for synchronized interactive multimedia. *Lecture Notes in Computer Science*, 712:302–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:SPSa

[1143] Anonymous. Short paper session I. *Lecture Notes in Computer Science*, 712: 314–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yee:1993:AMR

[1144] James Yee and Pravin Varaiya. An analytical model for real-time multimedia disk scheduling. *Lecture Notes in Computer Science*, 712:315–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fisher:1993:RTS

[1145] Tom Fisher. Real-time scheduling support in Ultrix-4.2 for multimedia communication. *Lecture Notes in Computer Science*, 712:321–??, 1993. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ramanathan:1993:CMS

[1146] Srinivas Ramanathan and P. Venkat Rangan. Continuous media synchronization in distributed multimedia systems. *Lecture Notes in Computer Science*, 712:328–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:SPSb

[1147] Anonymous. Short paper session II. *Lecture Notes in Computer Science*, 712:336–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cherry:1993:HSN

[1148] Guy Cherry, Jim Nussbaum, and Mayer Schwartz. High speed networks and the digital TV studio. *Lecture Notes in Computer Science*, 712:337–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schooler:1993:ISM

[1149] Eve M. Schooler. The impact of scaling on a multimedia connection architecture. *Lecture Notes in Computer Science*, 712:341–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:SPSc

[1150] Anonymous. Short paper session III. *Lecture Notes in Computer Science*, 712:347–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jamin:1993:ACA

[1151] Sugih Jamin, Scott Shenker, Lixia Zhang, and David D. Clark. An admission control algorithm for predictive real-time service (extended abstract). *Lecture Notes in Computer Science*, 712:349–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ingold:1993:MMA

[1152] Daniel P. Ingold. MEGAPHONE: A multimedia application based on object-oriented communication. *Lecture Notes in Computer Science*, 712: 357–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chou:1993:SSD

[1153] Stephen T.-C. Chou and Hideyuki Tokuda. System support for dynamic QOS control of continuous media communication. *Lecture Notes in Computer Science*, 712:363–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:SPSd

[1154] Anonymous. Short paper session IV. *Lecture Notes in Computer Science*, 712:369–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Patel:1993:NNM

[1155] Sameer Patel, Ghaleb Abdulla, Marc Abrams, and Edward A. Fox. NMFS: Network multimedia file system protocol. *Lecture Notes in Computer Science*, 712:370–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rowe:1993:CMP

[1156] Lawrence A. Rowe and Brian C. Smith. A continuous media player. *Lecture Notes in Computer Science*, 712:376–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Swanberg:1993:AMI

[1157] Deborah Swanberg, Fe Shu Chiao, and Ramesh Jain. Architecture of a multimedia information system for content-based retrieval. *Lecture Notes in Computer Science*, 712:387–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:SPSe

[1158] Anonymous. Short paper session V. *Lecture Notes in Computer Science*, 712:393–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gibbs:1993:ACC

[1159] Simon Gibbs. Application construction and component design in an object-oriented multimedia framework. *Lecture Notes in Computer Science*, 712: 394–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hamakawa:1993:AVE

[1160] Rei Hamakawa, Hidekazu Sakagami, and Jun Rekimoto. Audio and video extensions to graphical user interface toolkits. *Lecture Notes in Computer Science*, 712:399–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kappner:1993:IHH

[1161] Thomas Kappner, Dietmar Hehmann, and Ralf Steinmetz. An introduction to HeiMAT: The Heidelberg Multimedia Application Toolkit. *Lecture Notes in Computer Science*, 712:405–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Borger:1993:MSP

[1162] Egon Borger and Dean Rosenzweig. The mathematics of set predicates in Prolog. *Lecture Notes in Computer Science*, 713:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cowen:1993:SCB

[1163] Robert Cowen. Some connections between set theory and computer science. *Lecture Notes in Computer Science*, 713:14–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feferman:1993:GDI

[1164] Solomon Feferman. Godel's dialectica interpretation and its two-way stretch. *Lecture Notes in Computer Science*, 713:23–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hajek:1993:EEA

[1165] Petr Hajek. Epistemic entrenchment and arithmetical hierarchy (abstract). *Lecture Notes in Computer Science*, 713:41–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Halpern:1993:CRD

[1166] Joseph Y. Halpern. A critical reexamination of default logic, autoepistemic logic, and only knowing. *Lecture Notes in Computer Science*, 713:43–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Marek:1993:CIN

[1167] V. Wiktor Marek. Complexity issues in nonmonotonic logic and logic programming (abstract). *Lecture Notes in Computer Science*, 713:61–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mints:1993:SRM

[1168] Grigori Mints. Strategies for resolution method in non-classical logics (abstract). *Lecture Notes in Computer Science*, 713:62–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pacholski:1993:UIP

[1169] Leszek Pacholski. Undecidability of implication problems in logic programming, data base theory and classical logic. *Lecture Notes in Computer Science*, 713:63–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sambin:1993:BTB

[1170] Giovanni Sambin and Silvio Valentini. Building up a tool-box for Martin-Löf's type theory (abstract). *Lecture Notes in Computer Science*, 713:69–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Artemov:1993:LGP

[1171] Sergei Artemov and Tyko Straben. The logic of the godel proof predicate. *Lecture Notes in Computer Science*, 713:71–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bachmair:1993:SSD

[1172] Leo Bachmair, Harald Ganzinger, and Uwe Waldmann. Superposition with simplification as a decision procedure for the monadic class with equality. *Lecture Notes in Computer Science*, 713:83–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bamber:1993:CAR

[1173] Nicholas P. Bamber. Computation with access to the reals, but using only classical machines. *Lecture Notes in Computer Science*, 713:97–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beckert:1993:EML

[1174] Bernhard Beckert, Reiner Hahnle, and Peter H. Schmitt. The even more liberalized delta-rule in free variable semantic tableaux. *Lecture Notes in Computer Science*, 713:108–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benevides:1993:DAE

[1175] Mario R. F. Benevides. Differentiating assumptions from extra-logical axioms in natural deduction. *Lecture Notes in Computer Science*, 713:120–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bottoni:1993:IFF

[1176] Alberto Bottoni and Giorgio Levi. The inverse of Fitting's functional. *Lecture Notes in Computer Science*, 713:132–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruning:1993:LDC

[1177] Stefan Bruning. On loop detection in connection calculi. *Lecture Notes in Computer Science*, 713:144–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DaCosta:1993:AHS

[1178] Newton C. A. Da Costa and Francisco A. Doria. On Arnold's Hilbert symposium problems. *Lecture Notes in Computer Science*, 713:152–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Danos:1993:SEU

[1179] Vincent Danos, Jean-Baptiste Joinet, and Harold Schellinx. The structure of exponentials: Uncovering the dynamics of linear logic proofs. *Lecture Notes in Computer Science*, 713:159–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Egly:1993:DCF

[1180] Uwe Egly. On different concepts of function introduction. *Lecture Notes in Computer Science*, 713:172–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Faglia:1993:DEI

[1181] Giovanni Faglia. Double exponential inseparability of Robinson subsystem Q_+ from the unsatisfiable sentences in the language of addition. *Lecture Notes in Computer Science*, 713:184–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Faglia:1993:MEU

[1182] Giovanni Faglia and Paul Young. On the meaning of essentially unprovable theorems in the Presburger theory of addition (abstract). *Lecture Notes in Computer Science*, 713:187–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gilmore:1993:SCP

[1183] Paul C. Gilmore. A syntactic consistency proof for NaDSet. *Lecture Notes in Computer Science*, 713:190–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goubault:1993:RBA

[1184] Jean Goubault. A rule-based algorithm for rigid E-unification. *Lecture Notes in Computer Science*, 713:202–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Janhunen:1993:SWN

[1185] Tomi Janhunen and Ilkka Niemela. A scheme for weakened negative introspection in autoepistemic reasoning. *Lecture Notes in Computer Science*, 713:211–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Johannsen:1993:WSB

[1186] Jan Johannsen. On the weakness of sharply bounded polynomial induc-

tion. *Lecture Notes in Computer Science*, 713:223–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kolany:1993:LH

[1187] Adam Kolany. On the logic of hypergraphs. *Lecture Notes in Computer Science*, 713:231–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kummer:1993:RTP

[1188] Martin Kummer and Frank Stephan. Recursion theoretic properties of frequency computation and bounded queries (extended abstract). *Lecture Notes in Computer Science*, 713:243–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nies:1993:ITA

[1189] Andre Nies. Interpreting true arithmetic in degree structures. *Lecture Notes in Computer Science*, 713:255–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Parigot:1993:CPP

[1190] Michel Parigot. Classical proofs as programs. *Lecture Notes in Computer Science*, 713:263–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Petermann:1993:CPC

[1191] Uwe Petermann. Completeness of the pool calculus with an open built-in theory. *Lecture Notes in Computer Science*, 713:277–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pliuskevicius:1993:SPL

[1192] Regimantas Pliuskevicius. On the saturation principle for a linear temporal logic. *Lecture Notes in Computer Science*, 713:289–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sazonov:1993:CTL

[1193] Vladimir Sazonov and Andrei Voronkov. A construction of typed lambda models related to feasible computability. *Lecture Notes in Computer Science*, 713:301–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schwarz:1993:NRS

[1194] Grigori Schwarz and Miroslaw Truszczynski. Nonmonotonic reasoning is sometimes simpler. *Lecture Notes in Computer Science*, 713:313–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Willard:1993:SVA

[1195] Dan E. Willard. Self-verifying axiom systems. *Lecture Notes in Computer Science*, 713:325–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zlatuska:1993:CCC

[1196] Jiri Zlatuska. Committed-choice concurrent logic programming in linear logic. *Lecture Notes in Computer Science*, 713:337–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kastens:1993:ESL

[1197] U. Kastens. Executable specifications for language implementation. *Lecture Notes in Computer Science*, 714:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boye:1993:ADD

[1198] J. Boye. Avoiding dynamic delays in functional logic programs. *Lecture Notes in Computer Science*, 714:12–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hanus:1993:DMF

[1199] M. Hanus and B. Josephs. A debugging model for functional logic programs. *Lecture Notes in Computer Science*, 714:28–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lim:1993:CAM

[1200] P. Lim and J. Schimpf. A conservative approach to meta-programming in constraint logic programming. *Lecture Notes in Computer Science*, 714:44–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jourdan:1993:VHD

[1201] J. Jourdan and T. Sola. The versatility of handling disjunctions as constraints. *Lecture Notes in Computer Science*, 714:60–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Corsini:1993:EBA

[1202] M.-M. Corsini, K. Musumbu, A. Rauzy, and B. L. Charlier. Efficient bottom-up abstract interpretation of Prolog by means of constraint solving over symbolic finite domains. *Lecture Notes in Computer Science*, 714:75–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kagedal:1993:ICT

[1203] A. Kagedal. Improvements in compile-time analysis for ground Prolog. *Lecture Notes in Computer Science*, 714: 92–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nederhof:1993:NTP

[1204] M.-J. Nederhof. A new top-down parsing algorithm for left-recursive DCGs. *Lecture Notes in Computer Science*, 714:108–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jourdan:1993:SIG

[1205] M. Jourdan, C. L. Bellec, D. Parigot, and G. Roussel. Specification and implementation of grammar couplings using attribute grammars. *Lecture Notes in Computer Science*, 714:123–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Poetzsch-Heffter:1993:PLS

[1206] A. Poetzsch-Heffter. Programming language specification and prototyping using the MAX system. *Lecture Notes in Computer Science*, 714:137–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mantsivoda:1993:FI

[1207] A. Mantsivoda. Flang and its implementation. *Lecture Notes in Computer*

Science, 714:151–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moreno-Navarro:1993:ELN

[1208] J. J. Moreno-Navarro, H. Kuchen, J. Marino-Carballo, S. Winkler, and W. Hans. Efficient lazy narrowing using demandedness analysis. *Lecture Notes in Computer Science*, 714:167–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Loogen:1993:DDC

[1209] R. Loogen, F. L. Fraguas, and M. Rodrigues-Artalejo. A demand driven computation strategy for lazy narrowing. *Lecture Notes in Computer Science*, 714:184–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Darlington:1993:FPL

[1210] J. Darlington, Y. Guo, and M. Kohler. Functional programming languages with logical variables: A linear logic view. *Lecture Notes in Computer Science*, 714:201–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Natali:1993:OSC

[1211] A. Natali and A. Omicini. Objects with state in contextual logic programming. *Lecture Notes in Computer Science*, 714:220–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ali:1993:NMP

[1212] K. A. M. Ali and R. Karlsson. A novel method for parallel implementation of findall. *Lecture Notes in Computer Science*, 714:235–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moolenaar:1993:PIA

[1213] R. Moolenaar and B. Demoen. A parallel implementation for AKL. *Lecture Notes in Computer Science*, 714:246–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaser:1993:IRS

[1214] O. Kaser. Inlining to reduce stack space. *Lecture Notes in Computer Science*, 714:262–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dovier:1993:WBI

[1215] A. Dovier and E. Pontelli. A WAM-Based implementation of a logic language with sets. *Lecture Notes in Computer Science*, 714:275–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benjumea:1993:PPM

[1216] V. Benjumea and J. M. Troya. An OR parallel Prolog model for distributed memory systems. *Lecture Notes in Computer Science*, 714:291–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barklund:1993:EBQ

[1217] J. Barklund and J. Bevemyr. Executing bounded quantifications on shared memory multiprocessors. *Lecture Notes in Computer Science*, 714:302–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Clark:1993:LAG

[1218] D. Clark and C. Hankin. A lattice of abstract graphs. *Lecture Notes in Computer Science*, 714:318–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rosendahl:1993:HOC

[1219] M. Rosendahl. Higher-order chaotic iteration sequences. *Lecture Notes in Computer Science*, 714:332–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Burn:1993:PCC

[1220] G. Burn and D. L. Metayer. Proving the correctness of compiler optimisations based on strictness analysis. *Lecture Notes in Computer Science*, 714:346–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dikovsky:1993:ACP

[1221] A. Y. Dikovsky. Abstract complexity of Prolog based on WAM. *Lecture Notes in Computer Science*, 714:365–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Letichevsky:1993:DRS

[1222] A. Letichevsky. Development of rewriting strategies. *Lecture Notes in Computer Science*, 714:378–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alpuente:1993:NAO

[1223] M. Alpuente, M. Falaschi, M. J. Ramis, and G. Vidal. Narrowing approximations as an optimization for equational logic programs. *Lecture Notes in Computer Science*, 714:391–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Canalda:1993:PBE

[1224] P. Canalda, L. Cognard, A. Despland, and M. Mazaud. PAGODE: A back end generator. *Lecture Notes in Computer Science*, 714:410–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bugliesi:1993:SLI

[1225] M. Bugliesi and G. Nardiello. SelfLog: Language and implementation. *Lecture Notes in Computer Science*, 714:412–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jourdan:1993:EDS

[1226] M. Jourdan, F. Lagnier, F. Maraninchi, and P. Raymond. Embedding declarative subprograms into imperative constructs. *Lecture Notes in Computer Science*, 714:414–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hogen:1993:SMR

[1227] G. Hogen and R. Loogen. Stack management of runtime structures in distributed implementations. *Lecture Notes in Computer Science*, 714:416–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kebler:1993:ERA

[1228] C. W. Kebler and T. Rauber. Efficient register allocation for large basic blocks. *Lecture Notes in Computer Science*, 714:418–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alt:1993:GSC

[1229] M. Alt, G. Sander, and R. Wilhelm. Generation of synchronization code for parallel compilers. *Lecture Notes in Computer Science*, 714:420–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boudol:1993:ITL

[1230] Gerard Boudol. Invited talk: The lambda-calculus with multiplicities (extended abstract). *Lecture Notes in Computer Science*, 715:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Engelfriet:1993:MSP

[1231] Joost Engelfriet. A multiset semantics for the pi-calculus with replication. *Lecture Notes in Computer Science*, 715:7–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dam:1993:MCM

[1232] Mads Dam. Model checking mobile processes. *Lecture Notes in Computer Science*, 715:22–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruns:1993:PTP

[1233] Glenn Bruns. A practical technique for process abstraction. *Lecture Notes in Computer Science*, 715:37–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fokkinga:1993:MCC

[1234] Maarten Fokkinga, Mannes Poel, and Job Zwiers. Modular completeness for communication closed layers. *Lecture Notes in Computer Science*, 715:50–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VanGlabbeek:1993:LTB

[1235] Rob J. Van Glabbeek. The linear time — branching time spectrum II (the semantics of sequential systems with silent moves). *Lecture Notes in Computer Science*, 715:66–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sassone:1993:CMC

[1236] Vladimiro Sassone, Mogens Nielsen, and Glynn Winskel. A classification of models for concurrency. *Lecture Notes in Computer Science*, 715:82–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aceto:1993:ITW

[1237] Luca Aceto and David Murphy. On the ill-timed but well-caused. *Lecture Notes in Computer Science*, 715:97–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amadio:1993:RCB

[1238] Roberto M. Amadio. On the reduction of chocs bisimulation to pi-calculus bisimulation. *Lecture Notes in Computer Science*, 715:112–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sangiorgi:1993:TBP

[1239] Davide Sangiorgi. A theory of bisimulation for the pi-calculus. *Lecture Notes in Computer Science*, 715:127–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Christensen:1993:BED

[1240] Soren Christensen, Yoram Hirshfeld, and Faron Moller. Bisimulation equivalence is decidable for basic parallel processes. *Lecture Notes in Computer Science*, 715:143–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jones:1993:ITP

[1241] Cliff B. Jones. Invited talk: A pi-calculus semantics for an object-based design notation. *Lecture Notes in Computer Science*, 715:158–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Prasad:1993:PB

[1242] K. V. S. Prasad. Programming with broadcasts. *Lecture Notes in Computer Science*, 715:173–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Holmer:1993:IBC

[1243] Uno Holmer. Interpreting broadcast communication in SCCS. *Lecture Notes in Computer Science*, 715:188–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hennessy:1993:PSM

[1244] Matthew Hennessy and Lin Huimin. Proof systems for message-passing process algebras. *Lecture Notes in Computer Science*, 715:202–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Butler:1993:RDV

[1245] Michael J. Butler. Refinement and decomposition of value-passing action systems. *Lecture Notes in Computer Science*, 715:217–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wolper:1993:ITP

[1246] Pierre Wolper and Patrice Godefroid. Invited talk: Partial-order methods for temporal verification. *Lecture Notes in Computer Science*, 715:233–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jensen:1993:MCI

[1247] Ole Hogh Jensen, Christian Jeppesen, Jarl Tuxen Lang, and Kim G. Larsen. Model construction for implicit specifications in modal logic. *Lecture Notes in Computer Science*, 715:247–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bernholtz:1993:BTT

[1248] Orna Bernholtz and Orna Grumberg. Branching time temporal logic and amorphous tree automata. *Lecture Notes in Computer Science*, 715:262–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gunawardena:1993:GES

[1249] Jeremy Gunawardena. A generalized event structure for the Muller unfolding of a safe net. *Lecture Notes in Computer Science*, 715:278–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goubault:1993:DHD

[1250] Eric Goubault. Domains of higher-dimensional automata. *Lecture Notes in Computer Science*, 715:293–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baeten:1993:ITN

[1251] Jos C. M. Baeten and Jan A. Bergstra. Invited talk: Non interleaving process algebra. *Lecture Notes in Computer Science*, 715:308–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Segala:1993:QFT

[1252] Roberto Segala. Quiescence, fairness, testing, and the notion of implementation. *Lecture Notes in Computer Science*, 715:324–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Udink:1993:TFA

[1253] Rob T. Udink and Joost N. Kok. Two fully abstract models for UNITY. *Lecture Notes in Computer Science*, 715: 339–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shengzong:1993:TPP

[1254] Zhou Shengzong, Rob Gerth, and Ruurd Kuiper. Transformations preserving properties and properties preserved by transformations in fair transition systems. *Lecture Notes in Computer Science*, 715:353–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cubric:1993:MMS

[1255] Marija Cubric and Prakash Panangaden. Minimal memory schedules for dataflow networks. *Lecture Notes in Computer Science*, 715:368–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yates:1993:NRT

[1256] Robert Kim Yates. Networks of real-time processes. *Lecture Notes in Computer Science*, 715:384–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lengauer:1993:ITL

[1257] Christian Lengauer. Invited talk: Loop parallelization in the polytope model. *Lecture Notes in Computer Science*, 715:398–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bremond-Gregoire:1993:AAC

[1258] Patrice Bremond-Gregoire, Insup Lee, and Richard Gerber. ACSR: An algebra of communicating shared resources with dense time and priorities. *Lecture Notes in Computer Science*, 715:417–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fokkink:1993:ETR

[1259] Willem Jan Fokkink. An elimination theorem for regular behaviours with in-

tegration. *Lecture Notes in Computer Science*, 715:432–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vergauwen:1993:LLM

[1260] Bart Vergauwen and Johan Lewi. A linear local model checking algorithm for CTL. *Lecture Notes in Computer Science*, 715:447–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoogers:1993:LES

[1261] P. W. Hoogers, H. C. M. Kleijn, and P. S. Thiagarajan. Local event structures and Petri nets. *Lecture Notes in Computer Science*, 715:462–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baeten:1993:CTS

[1262] Jos C. M. Baeten and Chris Verhoef. A congruence theorem for structured operational semantics with predicates. *Lecture Notes in Computer Science*, 715:477–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nielson:1993:CPA

[1263] Flemming Nielson and Hanne Riis Nielson. From CML to process algebras. *Lecture Notes in Computer Science*, 715:493–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Honda:1993:TDI

[1264] Kohei Honda. Types for dyadic interaction. *Lecture Notes in Computer Science*, 715:509–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vasconcelos:1993:PTS

[1265] Vasco T. Vasconcelos and Kohei Honda. Principal typing schemes in a polyadic pi–calculus. *Lecture Notes in Computer Science*, 715:524–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bloom:1993:ITS

[1266] Bard Bloom. Invited talk: Structured operational semantics for process algebras and equational axiom systems (abstract). *Lecture Notes in Computer Science*, 715:539–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maab:1993:CMP

[1267] Wolfgang Maab. A cognitive model for the process of multimodal, incremental route descriptions. *Lecture Notes in Computer Science*, 716:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tversky:1993:CMC

[1268] Barbara Tversky. Cognitive maps, cognitive collages, and spatial mental models. *Lecture Notes in Computer Science*, 716:14–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vieu:1993:LFR

[1269] Laure Vieu. A logical framework for reasoning about space. *Lecture Notes in Computer Science*, 716:25–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hernandez:1993:MQS

[1270] Daniel Hernandez. Maintaining qualitative spatial knowledge. *Lecture Notes in Computer Science*, 716:36–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ligozat:1993:QTS

[1271] Gerard F. Ligozat. Qualitative triangulation for spatial reasoning. *Lecture Notes in Computer Science*, 716:54–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zimmermann:1993:EQS

[1272] Kai Zimmermann. Enhancing qualitative spatial reasoning — combining orientation and distance. *Lecture Notes in Computer Science*, 716:69–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pratt:1993:MS

[1273] Ian Pratt. Map semantics. *Lecture Notes in Computer Science*, 716:77–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ramirez:1993:DCL

[1274] J. Raul Ramirez. Development of a cartographic language. *Lecture Notes in Computer Science*, 716:92–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deFloriani:1993:SQD

[1275] Leila de Floriani, Paola Marzano, and Enrico Puppo. Spatial queries and data models. *Lecture Notes in Computer Science*, 716:113–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deHoop:1993:TQM

[1276] Sylvia de Hoop, Peter Van Oosterom, and Martien Molenaar. Topological querying of multiple map layers. *Lecture Notes in Computer Science*, 716:139–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cheylan:1993:TCD

[1277] Jean-Paul Cheylan and Sylvie Lardon. Towards a conceptual data model for the analysis of spatio-temporal processes: The example of the search for optimal grazing strategies. *Lecture Notes in Computer Science*, 716:158–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hirtle:1993:CSS

[1278] Stephen C. Hirtle, Thea Ghiselli-Crippa, and Michael B. Spring. The cognitive structure of space: An analysis of temporal sequences. *Lecture Notes in Computer Science*, 716:177–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Whigham:1993:HST

[1279] Peter A. Whigham. Hierarchies of space and time. *Lecture Notes in Computer Science*, 716:190–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Edwards:1993:VMC

[1280] Geoffrey Edwards. The Voronoi model and cultural space: Applications to the social sciences and humanities. *Lecture Notes in Computer Science*, 716:

202–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Volta:1993:IGA

[1281] Gary S. Volta and Max J. Egenhofer. Interaction with GIS attribute data based on categorical coverage. *Lecture Notes in Computer Science*, 716:215–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Papadias:1993:SRS

[1282] Dimitris Papadias and Timos Sellis. The semantics of relations in 2D space using representative points: Spatial indexes. *Lecture Notes in Computer Science*, 716:234–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deFloriani:1993:CVM

[1283] Leila de Floriani and Paola Magillo. Computing visibility maps on a digital terrain model. *Lecture Notes in Computer Science*, 716:248–269, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mark:1993:TTF

[1284] David M. Mark. Toward a theoretical framework for geographic entity types. *Lecture Notes in Computer Science*, 716:270–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guttenberg:1993:LSS

[1285] Albert Z. Guttenberg. Land, space and spatial planning in three time regions. *Lecture Notes in Computer Science*, 716:284–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pederson:1993:GMS

[1286] Eric Pederson. Geographic and manipulable space in two tamil linguistic systems. *Lecture Notes in Computer Science*, 716:294–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Montello:1993:SMP

[1287] Daniel R. Montello. Scale and multiple psychologies of space. *Lecture Notes in Computer Science*, 716:312–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Getis:1993:GMP

[1288] Arthur Getis. GIS and modeling prerequisites. *Lecture Notes in Computer Science*, 716:322–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rigaux:1993:MEK

[1289] Philippe Rigaux, Michel Scholl, and Agnes Voisard. A map editing kernel implementation: Application to multiple scale display. *Lecture Notes in Computer Science*, 716:341–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kuhn:1993:MCT

[1290] Werner Kuhn. Metaphors create theories for users. *Lecture Notes in Computer Science*, 716:366–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chalmers:1993:ULM

[1291] Matthew Chalmers. Using a landscape metaphor to represent a corpus of documents. *Lecture Notes in Computer Science*, 716:377–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Erickson:1993:IIS

[1292] Thomas Erickson. From interface to interplace: The spatial environment as a medium for interaction. *Lecture Notes in Computer Science*, 716:391–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haunold:1993:KLA

[1293] Peter Haunold and Werner Kuhn. A keystroke level analysis of manual map digitizing. *Lecture Notes in Computer Science*, 716:406–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yue-Hong:1993:CIE

[1294] Chou Yue-Hong. Critical issues in the evaluation of spatial autocorrelation. *Lecture Notes in Computer Science*, 716:421–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhan:1993:DPD

[1295] Cixiang Zhan, Sudhakar Menon, and Gao Peng. A directional path distance model for raster distance mapping. *Lecture Notes in Computer Science*, 716:434–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jungert:1993:SSR

[1296] Erland Jungert. Symbolic spatial reasoning in object shapes for qualitative reasoning. *Lecture Notes in Computer Science*, 716:444–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Saunders:1993:RAS

[1297] Claude W. Saunders. Reasoning about spatial structure in landscapes with Geographic Information Systems. *Lecture Notes in Computer Science*, 716:463–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:XP

[1298] Anonymous. XII. posters. *Lecture Notes in Computer Science*, 716:478–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buxton:1993:DCP

[1299] J. N. Buxton. On the decline of classical programming. *Lecture Notes in Computer Science*, 717:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harel:1993:CO

[1300] D. Harel. Computers are not omnipotent. *Lecture Notes in Computer Science*, 717:10–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ghezzi:1993:RTS

[1301] C. Ghezzi, M. Felder, and C. Bellettini. Real-time systems: A survey of approaches to formal specifica-

tion and verification. *Lecture Notes in Computer Science*, 717:11–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Denert:1993:SEB

[1302] E. Denert. Software engineering in business and academia: How wide is the gap? *Lecture Notes in Computer Science*, 717:37–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Perry:1993:SFE

[1303] D. E. Perry and C. S. Stieg. Software faults in evolving a large, real-time system. *Lecture Notes in Computer Science*, 717:48–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Basili:1993:EFR

[1304] V. R. Basili. The experience factory and its relationship to other improvement paradigm. *Lecture Notes in Computer Science*, 717:68–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Finkelstein:1993:IHM

[1305] A. Finkelstein, D. Gabbay, A. Hunter, J. Kramer, and B. Nuseibeh. Inconsistency handling in multi-perspective specifications. *Lecture Notes in Computer Science*, 717:84–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jarke:1993:REI

[1306] M. Jarke, K. Pohl, S. Jacobs, J. Bubenko, P. Assenova, P. Holm, B. Wangler, C. Rolland, V. Plihon, and J.-R. Schmitt. Requirements engineering: An integrated view of representation, process and domain. *Lecture Notes in Computer Science*, 717:100–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bustard:1993:MCF

[1307] D. W. Bustard and A. C. Winstanley. Making changes to formal specifications: Requirements and an example. *Lecture Notes in Computer Science*, 717:115–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hagelstein:1993:FRM

[1308] J. Hagelstein, D. Roelants, and P. Wodon. Formal requirements made practical. *Lecture Notes in Computer Science*, 717:127–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Emmerich:1993:DSE

[1309] W. Emmerich, W. Schafer, and J. Welsh. Databases for software engineering environments the goal has not yet been attained. *Lecture Notes in Computer Science*, 717:145–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liu:1993:RTD

[1310] L. Liu, D. J. Robson, and R. Ellis. A regression testing database model. *Lecture Notes in Computer Science*, 717:163–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brown:1993:EFE

[1311] A. W. Brown, E. J. Morris, P. F. Zarrella, F. W. Long, and W. M. Caldwell. Experiences with a federated environment testbed. *Lecture Notes in Computer Science*, 717:175–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Thomas:1993:OOM

[1312] I. Thomas. Observations on object management systems and process support in environments. *Lecture Notes in Computer Science*, 717:197–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eggers:1993:STD

[1313] H. Eggers. Software technology for a distributed telecommunication system. *Lecture Notes in Computer Science*, 717:213–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cederling:1993:ISD

[1314] U. Cederling. Industrial software development. *Lecture Notes in Computer Science*, 717:226–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kuntzmann-Combelles:1993:QAS

[1315] A. Kuntzmann-Combelles. Quantitative approach to software management: The ami method. *Lecture Notes in Computer Science*, 717:238–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reichardt:1993:PSE

[1316] J. Reichardt. Preventative software engineering. *Lecture Notes in Computer Science*, 717:251–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aue:1993:DIS

[1317] A. Aue and M. Breu. Distributed information systems: An advanced methodology. *Lecture Notes in Computer Science*, 717:263–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cheung:1993:TFA

[1318] S. C. Cheung and J. Kramer. Tractable flow analysis for anomaly detection in distributed programs. *Lecture Notes in Computer Science*, 717:283–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tuya:1993:PTD

[1319] J. Tuya, L. Sanchez, R. Zurita, and J. A. Corrales. A pragmatic task design approach base on a ward/mellor real-time structured specification. *Lecture Notes in Computer Science*, 717: 301–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

vonDerBeeck:1993:ISA

[1320] M. von Der Beeck. Integration of structured analysis and timed statecharts for real-time and concurrency specification. *Lecture Notes in Computer Science*, 717:313–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Depaoli:1993:LCC

[1321] F. Depaoli and F. Tisato. Language constructs for cooperative systems design. *Lecture Notes in Computer Science*, 717:329–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gintell:1993:SCI

[1322] J. Gintell, J. Arnold, M. Houde, J. Kruszelnicki, R. McKenney, and G. Memmi. Scrutiny: A collaborative inspection and review system. *Lecture Notes in Computer Science*, 717:344–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Godart:1993:CTM

[1323] C. Godart. COO: A transaction model to support COOperating software developers COOrdination. *Lecture Notes in Computer Science*, 717: 361–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Adams:1993:ESR

[1324] R. Adams. An experiment in software retrieval. *Lecture Notes in Computer Science*, 717:380–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jeng:1993:UFM

[1325] J.-J. Jeng and B. H. C. Cheng. Using formal methods to construct a software component library. *Lecture Notes in Computer Science*, 717:397–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gall:1993:COR

[1326] H. Gall and R. Klosch. Capsule oriented reverse engineering for software reuse. *Lecture Notes in Computer Science*, 717:418–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liu:1993:ART

[1327] C. Liu and R. Conradi. Automatic replanning of task networks for process model evolution in EPOS. *Lecture Notes in Computer Science*, 717: 434–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krishnamurthy:1993:PPV

[1328] B. Krishnamurthy and N. S. Barghouti. Provence: A process visualisation and enactment environment. *Lecture Notes in Computer Science*, 717: 451–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Breiteneder:1993:PPA

[1329] C. J. Breiteneder and T. A. Mueck. Process programming with active and passive components. *Lecture Notes in Computer Science*, 717:466–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coen-Porisini:1993:FFA

[1330] A. Coen-Porisini, R. A. Kemmerer, and D. Mandrioli. A formal framework for ASTRAL intra-level proof obligations. *Lecture Notes in Computer Science*, 717:483–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bourdoncle:1993:ABD

[1331] F. Bourdoncle. Assertion-based debugging of imperative programs by abstract interpretation. *Lecture Notes in Computer Science*, 717:501–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Desmedt:1993:TC

[1332] Y. Desmedt. Threshold cryptosystems. *Lecture Notes in Computer Science*, 718:3–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tombak:1993:ACP

[1333] L. Tombak and R. Safavi-Naini. Authentication codes with perfect protection. *Lecture Notes in Computer Science*, 718:15–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Desmedt:1993:PPS

[1334] Y. Desmedt and J. Seberry. Practical proven secure authentication with arbitration. *Lecture Notes in Computer Science*, 718:27–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Safavi-Naini:1993:ACU

[1335] R. Safavi-Naini and L. Tombak. Authentication codes under impersonation attack. *Lecture Notes in Computer Science*, 718:35–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jackson:1993:CAG

[1336] W.-A. Jackson and K. M. Martin. Cumulative arrays and geometric secret sharing schemes. *Lecture Notes in Computer Science*, 718:48–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ogata:1993:NSS

[1337] W. Ogata, K. Kurosawa, and S. Tsujii. Nonperfect secret sharing schemes. *Lecture Notes in Computer Science*, 718:56–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertilsson:1993:CPS

[1338] M. Bertilsson and I. Ingemarsson. A construction of practical secret sharing schemes using linear block codes. *Lecture Notes in Computer Science*, 718: 67–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zheng:1993:HOW

[1339] Y. Zheng, J. Pieprzyk, and J. Seberry. HAVAL — a one-way hashing algorithm with variable length of output. *Lecture Notes in Computer Science*, 718:83–104, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Preneel:1993:PMD

[1340] B. Preneel, R. Govaerts, and J. Vandewalle. On the power of memory in the design of collision resistant hash functions. *Lecture Notes in Computer Science*, 718:105–121, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hardjono:1993:PDM

[1341] T. Hardjono and Y. Zheng. A practical digital multisignature scheme based on

discrete logarithms. *Lecture Notes in Computer Science*, 718:122–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harn:1993:GOU

[1342] L. Harn and S. Yang. Group-oriented undeniable signature schemes without the assistance of a mutually trusted party. *Lecture Notes in Computer Science*, 718:133–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Seberry:1993:HNB

[1343] J. Seberry and X.-M. Zhang. Highly nonlinear 0-1 balanced Boolean functions satisfying strict avalanche criterion. *Lecture Notes in Computer Science*, 718:145–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Charnes:1993:LNV

[1344] C. Charnes and J. Pieprzyk. Linear nonequivalence versus nonlinearity. *Lecture Notes in Computer Science*, 718:156–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Detombe:1993:CLC

[1345] J. Detombe and S. E. Tavares. Constructing large cryptographically strong S-boxes. *Lecture Notes in Computer Science*, 718:165–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Korzhik:1993:NEI

[1346] V. Korzhik and V. Yakovlev. Nonasymptotic estimates of information protection efficiency for the wire-tape channel concept. *Lecture Notes in Computer Science*, 718:185–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Knudsen:1993:CLa

[1347] L. R. Knudsen. Cryptanalysis of LOKI91. *Lecture Notes in Computer Science*, 718:196–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dawson:1993:CSG

[1348] E. Dawson. Cryptanalysis of summation generator. *Lecture Notes in Computer Science*, 718:209–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Laih:1993:SAS

[1349] C.-S. Laih and S.-M. Yen. Secure addition sequence and its applications on the server-aided secret computation protocols. *Lecture Notes in Computer Science*, 718:219–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sakurai:1993:SCS

[1350] K. Sakurai and T. Itoh. Subliminal channels for signature transfer and their application to signature distribution schemes. *Lecture Notes in Computer Science*, 718:231–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fujioka:1993:PSV

[1351] A. Fujioka, T. Okamoto, and K. Ohta. A practical secret voting scheme for large scale elections. *Lecture Notes in Computer Science*, 718:244–??, 1993.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Satoh:1993:PMP

[1352] T. Satoh, K. Kurosawa, and S. Tsujii. Privacy for multi-party protocols. *Lecture Notes in Computer Science*, 718:252–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pailles:1993:NPE

[1353] J. C. Pailles. New protocols for electronic money. *Lecture Notes in Computer Science*, 718:263–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nieh:1993:MAC

[1354] B. B. Nieh and S. E. Tavares. Modelling and analyzing cryptographic protocols using Petri nets. *Lecture Notes in Computer Science*, 718:275–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Matsumoto:1993:VIA

[1355] T. Matsumoto, H. Imai, C.-S. Laih, and S.-M. Yen. On verifiable implicit asking protocols for RSA computation. *Lecture Notes in Computer Science*, 718:296–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lim:1993:MMY

[1356] C. H. Lim and P. J. Lee. Modified Maurer-Yacobi's scheme and its applications. *Lecture Notes in Computer Science*, 718:308–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klapper:1993:VGS

[1357] A. Klapper. The vulnerability of geometric sequences based on fields of odd characteristic. *Lecture Notes in Computer Science*, 718:327–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lai:1993:FCC

[1358] X. Lai, R. A. Rueppel, and J. Woollven. A fast cryptographic checksum algorithm based on stream ciphers. *Lecture Notes in Computer Science*, 718:339–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mihaljevic:1993:AIS

[1359] M. J. Mihaljevic. An approach to the initial state reconstruction of a clock-controlled shift register based on a novel distance measure. *Lecture Notes in Computer Science*, 718:349–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1993:CAB

[1360] J.-H. Yang and Z.-D. Dai. Construction of m-ary de Bruijn sequences. *Lecture Notes in Computer Science*, 718:357–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Snare:1993:ITS

[1361] J. Snare. Information technology security standards — an Australian perspective. *Lecture Notes in Computer Science*, 718:367–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cerecedo:1993:NIG

[1362] M. Cerecedo, T. Matsumoto, and H. Imai. Non-interactive generation of shared pseudorandom sequences. *Lecture Notes in Computer Science*, 718: 385–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Portz:1993:GDB

[1363] M. Portz. A generalized description of DES-based and Benes-based permutation generators. *Lecture Notes in Computer Science*, 718:397–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Condie:1993:PGD

[1364] L. Condie. Prime generation with the Demytko-Miller-Trbovich algorithm. *Lecture Notes in Computer Science*, 718:413–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hiltgen:1993:CFO

[1365] A. P. L. Hiltgen. Construction of feebly-one-way families of permutations. *Lecture Notes in Computer Science*, 718:422–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sakurai:1993:BCA

[1366] K. Sakurai and T. Itoh. On bit correlations among preimages of "many to one" one-way functions. *Lecture Notes in Computer Science*, 718:435–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yen:1993:FCE

[1367] S.-M. Yen and C.-S. Laih. The fast cascade exponentiation algorithm and its applications on cryptography. *Lecture Notes in Computer Science*, 718: 447–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chang:1993:DCK

[1368] C.-C. Chang, T.-C. Wu, and C.-P. Chen. The design of a conference key distribution system. *Lecture Notes in Computer Science*, 718:459–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zuk:1993:RDC

[1369] E. Zuk. Remarks on "the design of a conference key distribution system". *Lecture Notes in Computer Science*, 718:467–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harn:1993:PKC

[1370] L. Harn and S. Yang. Public-key cryptosystem based on the discrete logarithm problem. *Lecture Notes in Computer Science*, 718:469–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Miyaji:1993:ECF

[1371] A. Miyaji. Elliptic curves over fsub p suitable for cryptosystems. *Lecture Notes in Computer Science*, 718:479–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Waldvogel:1993:PDD

[1372] C. P. Waldvogel and J. L. Massey. The probability distribution of the Diffie–Hellman key. *Lecture Notes in Computer Science*, 718:492–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sauerbrey:1993:MEU

[1373] J. Sauerbrey. A modular exponentiation unit based on systolic arrays. *Lecture Notes in Computer Science*, 718: 505–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

OKeefe:1993:CKD

[1374] C. M. O'Keefe. A comparison of key distribution patterns constructed from circle geometries. *Lecture Notes in Computer Science*, 718:517–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rezny:1993:BCM

[1375] M. Rezny and E. Trimarchi. A block cipher method using combinations of different methods under the control of the user key. *Lecture Notes in Computer Science*, 718:531–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Preneel:1993:ATH

[1376] B. Preneel, R. Govaerts, and J. Vandewalle. An attack on two hash functions by Zheng-Matsumoto-Imai. *Lecture Notes in Computer Science*, 718:535–538, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lidl:1993:PTL

[1377] R. Lidl and W. B. Muller. Primality testing with Lucas functions. *Lecture Notes in Computer Science*, 718:539–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haralick:1993:PCC

[1378] R. M. Haralick. Performance characterization in computer vision. *Lecture Notes in Computer Science*, 719:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gimelfarb:1993:LLC

[1379] G. L. Gimel'farb. Low-level computational mono and stereo vision: A Bayesian approach. *Lecture Notes in Computer Science*, 719:10–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Musin:1993:TSI

[1380] O. R. Musin. Topographic structure of image. *Lecture Notes in Computer Science*, 719:24–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kropatsch:1993:DIP

[1381] W. G. Kropatsch, Ch. Reither, D. Willersinn, and G. Wlaschitz. The dual irregular pyramid. *Lecture Notes in Computer Science*, 719:31–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vassilakopoulos:1993:ARQ

[1382] M. Vassilakopoulos and Y. Manolopoulos. Analytical results on the quadtree storage-requirements. *Lecture Notes*

in Computer Science, 719:41–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kertesz:1993:PQA

[1383] M. Kertesz, A. Kummert, and F. Csillag. From pyramids to quadtrees: Approximation of heterogeneous surfaces by fixing complexity. *Lecture Notes in Computer Science*, 719:49–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kummert:1993:CES

[1384] A. Kummert and S. Kabos. Calculation and estimation of sample statistics of binary images using quadtree data representations. *Lecture Notes in Computer Science*, 719:58–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Evans:1993:TSR

[1385] A. N. Evans and M. S. Nixon. Temporal speckle reduction for feature extraction in ultrasound images. *Lecture Notes in Computer Science*, 719:65–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sziranyi:1993:NES

[1386] T. Sziranyi. Noise effects in statistical subpixel pattern recognition. *Lecture Notes in Computer Science*, 719:74–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feichtinger:1993:FIR

[1387] H. G. Feichtinger and T. Strohmer. Fast iterative reconstruction of bandlimited images from non-uniform sampling values. *Lecture Notes in Computer Science*, 719:82–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bajla:1993:AFM

[1388] I. Bajla, M. Marusiak, and M. Sramek. Anisotropic filtering of MRI data based upon image gradient histogram. *Lecture Notes in Computer Science*, 719: 90–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kasperovich:1993:FDC

[1389] L. V. Kasperovich and V. F. Babkin. Fast discrete cosine transform approximation for JPEG image compression. *Lecture Notes in Computer Science*, 719:98–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Skarbek:1993:EDB

[1390] W. Skarbek and A. Pietrowcew. Error diffusion in block truncation coding. *Lecture Notes in Computer Science*, 719:105–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bojkovic:1993:BSN

[1391] Z. Bojkovic, D. Milanovic, and A. Samcovic. On a bound on signal-to-noise ratio in subband coding of Gaussian image process. *Lecture Notes in Computer Science*, 719:113–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bundschuh:1993:LPR

[1392] B. Bundschuh. A linear predictor as a regularization function in adaptive image restoration and reconstruction. *Lecture Notes in Computer*

Science, 719:118–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Suesse:1993:ICS

[1393] H. Suesse and K. Voss. Inversion of convolution by small kernels. *Lecture Notes in Computer Science*, 719:123–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Valev:1993:MBI

[1394] V. Valev. A model-based image quantization technique for supervised image recognition. *Lecture Notes in Computer Science*, 719:128–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ottenberg:1993:BCD

[1395] K. Ottenberg. Brightness-contrast diffusion and the grouping of missing angles. *Lecture Notes in Computer Science*, 719:133–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ziou:1993:RIE

[1396] D. Ziou and J.-P. Fabre. Rotation invariance in edge detection. *Lecture Notes in Computer Science*, 719:141–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alshatti:1993:UEV

[1397] W. Alshatti and P. Lambert. Using eigenvectors of a vector field for deriving a second directional derivative operator for color images. *Lecture Notes in Computer Science*, 719:149–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Selmaoui:1993:CLD

[1398] N. Selmaoui, C. Leschi, and H. Emptoz. Crest lines detection in grey level images: Studies of different approaches and proposition of a new one. *Lecture Notes in Computer Science*, 719:157–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deBeauville:1993:CDU

[1399] J.-P. Asselin de Beauville and M. C. Mraghni. Contour-detection using the shape of the nearest neighbors set (NN-Set). *Lecture Notes in Computer Science*, 719:165–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shen:1993:CSP

[1400] J. Shen, S. Castan, and J. Zhao. A comparative study of performance for noisy roof edge detection. *Lecture Notes in Computer Science*, 719:170–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lam:1993:HLP

[1401] L. T. S. Lam, W. C. Y. Lam, and D. N. K. Leung. A Hough-like prediction/correction approach for ellipse detection. *Lecture Notes in Computer Science*, 719:175–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lam:1993:FPP

[1402] W. C. Y. Lam, K. S. Y. Yuen, and D. N. K. Leung. Fourier parameterization provide uniform bounded Hough

space. *Lecture Notes in Computer Science*, 719:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kalviainen:1993:MER

[1403] H. Kalviainen. Motion estimation and the randomized Hough transform (RHT): New methods with gradient information. *Lecture Notes in Computer Science*, 719:191–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nixon:1993:CEL

[1404] M. S. Nixon. Circle extraction via least squares and the Kalman filter. *Lecture Notes in Computer Science*, 719: 199–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

diBaja:1993:MSD

[1405] G. Sanniti di Baja and E. Thiel. A multiresolution shape description algorithm. *Lecture Notes in Computer Science*, 719:208–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Choras:1993:ICM

[1406] R. S. Choras. Image coding by morphological skeleton transformation. *Lecture Notes in Computer Science*, 719: 216–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brown:1993:NLS

[1407] G. Brown, P. Forte, R. Malyan, and P. Barnwell. A non-linear shape abstraction technique. *Lecture Notes in Computer Science*, 719:223–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Korneenko:1993:MST

[1408] N. Korneenko. Minimum-space time-optimal convex hull algorithms. *Lecture Notes in Computer Science*, 719: 231–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guo:1993:DCP

[1409] J.-K. Guo, R.-L. Hsu, C.-H. Chen, and Y.-N. Sun. Detecting corners of polygonal and polyhedral objects. *Lecture Notes in Computer Science*, 719:237–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Melen:1993:FAD

[1410] T. Melen and T. Ozanian. A fast algorithm for dominant point detection on chain-coded contours. *Lecture Notes in Computer Science*, 719:245–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jourlin:1993:SM

[1411] M. Jourlin, I. Fillere, J.-M. Becker, and M.-J. Laboure. Shapes and metrics. *Lecture Notes in Computer Science*, 719:254–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Starovoitov:1993:STS

[1412] V. V. Starovoitov. Simplified technique of structure extraction from textural images. *Lecture Notes in Computer Science*, 719:259–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lam:1993:APA

[1413] S. W. C. Lam and H. H. S. Ip. Adaptive pyramid approach to texture segmentation. *Lecture Notes in Computer Science*, 719:267–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gimelfarb:1993:MRF

[1414] G. L. Gimel'farb and A. V. Zalesny. Markov random fields with short-and long-range interaction for modelling gray-scale textured images. *Lecture Notes in Computer Science*, 719:275–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fioravanti:1993:TRO

[1415] S. Fioravanti and D. D. Giusto. Texture recognition by the q-th order fractal analysis. *Lecture Notes in Computer Science*, 719:283–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tanaka:1993:PML

[1416] E. Tanaka, H. Awano, and S. Masuda. A proximity measure of line drawings for comparison of chemical compounds. *Lecture Notes in Computer Science*, 719:291–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bunke:1993:JPS

[1417] H. Bunke and G. Kaufmann. Jigsaw puzzle solving using approximate string matching and best-first search. *Lecture Notes in Computer Science*, 719:299–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Georgis:1993:MAG

[1418] N. Georgis, M. Petrou, and J. Kittler. A morphological approach to the generalised 2-stage stock-cutting problem. *Lecture Notes in Computer Science*, 719:309–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ambroszkiewicz:1993:PCP

[1419] S. Ambroszkiewicz. Primitive and compound patterns. *Lecture Notes in Computer Science*, 719:317–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Washio:1993:SMB

[1420] N. Washio, E. Tanaka, and S. Masuda. A similarity measure between 3-D objects and its parallel computation. *Lecture Notes in Computer Science*, 719:322–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liedtke:1993:ALR

[1421] C.-E. Liedtke, Th. Schnier, and A. Blomer. Automated learning of rules using genetic operators. *Lecture Notes in Computer Science*, 719:327–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Desachy:1993:SII

[1422] J. Desachy and E. H. Zahzah. Symbolic and iconic information combination for satellite imagery interpretation. *Lecture Notes in Computer Science*, 719:335–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Howard:1993:MCC

[1423] C. G. Howard and P. Bock. Multiclass classification and symbolic cognitive processing with ALISA. *Lecture Notes in Computer Science*, 719:343–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rios:1993:CIF

[1424] H. Rios. Computing image flow using a coarse-to-fine strategy for spatiotemporal filters. *Lecture Notes in Computer Science*, 719:355–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kasprzak:1993:VME

[1425] W. Kasprzak and H. Niemann. Visual motion estimation from image contour tracking. *Lecture Notes in Computer Science*, 719:363–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Irani:1993:RRE

[1426] M. Irani, B. Rousso, and S. Peleg. Robust recovery of ego-motion. *Lecture Notes in Computer Science*, 719:371–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bulas-Cruz:1993:TST

[1427] J. Bulas-Cruz, A. T. Ali, and E. L. Dagless. A temporal smoothing technique for real-time motion detection. *Lecture Notes in Computer Science*, 719:379–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nikolaidis:1993:CEM

[1428] N. Nikolaidis, I. Pitas, and M. G. Strintzis. Combined evaluation of motion and disparity vector fields for stereoscopic sequence coding. *Lecture Notes in Computer Science*, 719:387–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heikkonen:1993:RTM

[1429] J. Heikkonen. Recovering translational motion parameters from image sequences using randomized Hough transform. *Lecture Notes in Computer Science*, 719:395–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agarwal:1993:EOF

[1430] R. Agarwal and J. Sklansky. Estimating optical flow for large interframe displacements. *Lecture Notes in Computer Science*, 719:403–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pajdla:1993:SDR

[1431] T. Pajdla and V. Hlavac. Surface discontinuities in range images. *Lecture Notes in Computer Science*, 719:412–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klette:1993:ASS

[1432] R. Klette and V. Rodehorst. Algorithms for shape from shading, lighting direction and motion. *Lecture Notes in Computer Science*, 719:420–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jaklic:1993:SDS

[1433] A. Jaklic and F. Solina. Separating diffuse and specular component of image irradiance by translating a camera. *Lecture Notes in Computer Science*, 719:428–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hu:1993:NSC

[1434] X. Hu and N. Ahuja. Necessary and sufficient conditions for a unique solution of plane motion and structure. *Lecture Notes in Computer Science*, 719:436–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schluns:1993:PSN

[1435] K. Schluns. Photometric stereo for non-Lambertian surfaces using color information. *Lecture Notes in Computer Science*, 719:444–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brunnstrom:1993:AFJ

[1436] K. Brunnstrom and J.-O. Eklundh. Active fixation for junction classification. *Lecture Notes in Computer Science*, 719:452–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1993:PMR

[1437] Z. Zhang. Point matching for registration of free-form surfaces. *Lecture Notes in Computer Science*, 719:460–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bost:1993:TPA

[1438] J.-M. Bost, R. Milanese, and T. Pun. Temporal precedence in asynchronous visual indexing. *Lecture Notes in Computer Science*, 719:468–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Monks:1993:ISM

[1439] T. P. Monks and J. N. Carter. Improved stripe matching for colour encoded structured light. *Lecture Notes in Computer Science*, 719:476–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chebaro:1993:FST

[1440] B. Chebaro, A. Crouzil, L. Massip-Pailhes, and S. Castan. Fusion of the stereoscopic and temporal matching results by an algorithm of coherence control and conflicts management. *Lecture Notes in Computer Science*, 719:486–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lutton:1993:MBS

[1441] E. Lutton. 3D model based stereo reconstruction using coupled Markov random fields. *Lecture Notes in Computer Science*, 719:494–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Steinhage:1993:OSV

[1442] V. Steinhage. Occlusions and special views within the reconstruction of polyhedral scenes. *Lecture Notes in Computer Science*, 719:502–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gudmundsson:1993:FSV

[1443] B. Gudmundsson and C. Tegenfeldt. Fast shadowing of volume data. *Lecture Notes in Computer Science*, 719: 510–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guo:1993:TDM

[1444] X. Guo. Three-dimensional moment invariants under rigid transformation. *Lecture Notes in Computer Science*, 719:518–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hemus:1993:PSG

[1445] M. D. Hemus and J. N. Carter. Parameterisation of simple geometrical lambertian surfaces using photometric stereo. *Lecture Notes in Computer Science*, 719:523–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kawato:1993:HTE

[1446] S. Kawato. Hough transform to extract 3D information from images of different view points. *Lecture Notes in Computer Science*, 719:528–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kolesnik:1993:FAS

[1447] M. I. Kolesnik. Fast algorithm for the stereo pair matching with parallel computation. *Lecture Notes in Computer Science*, 719:533–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Koschan:1993:DSC

[1448] A. Koschan. Dense stereo correspondence using polychromatic block matching. *Lecture Notes in Computer Science*, 719:538–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maver:1993:PNV

[1449] J. Maver, A. Leonardis, and F. Solina. Planning the next view using the max-min principle. *Lecture Notes in Computer Science*, 719:543–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shapiro:1993:CCR

[1450] V. Shapiro. Cross-correlation with reconstruction: A new approach to pattern matching. *Lecture Notes in Computer Science*, 719:548–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nowinski:1993:INB

[1451] W. L. Nowinski. The iterated normalized backprojection method of image reconstruction. *Lecture Notes in Computer Science*, 719:556–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Trofimov:1993:CBR

[1452] O. Trofimov. Cone beam reconstruction and Fourier transform of distributions. *Lecture Notes in Computer Science*, 719:564–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Flusser:1993:CRA

[1453] J. Flusser and T. Suk. Character recognition by affine moment invariants. *Lecture Notes in Computer Science*, 719:572–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fageth:1993:UFP

[1454] R. Fageth, W. G. Allen, and U. Jager. Ultra fast pattern classification by fuzzy logic. *Lecture Notes in Computer Science*, 719:578–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klauer:1993:OOP

[1455] B. Klauer and K. Waldschmidt. An object-oriented pen-based recognizer for handprinted characters. *Lecture Notes in Computer Science*, 719:586–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shchepin:1993:MCP

[1456] E. V. Shchepin and G. M. Nepomnyashchii. On the method of critical points in character recognition. *Lecture Notes in Computer Science*, 719: 594–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ablameyko:1993:PTS

[1457] S. Ablameyko and O. Okun. Printed text segmentation using distance transform. *Lecture Notes in Computer Science*, 719:599–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takamura:1993:RHL

[1458] S. Takamura and M. Takagi. Recognition of handwritten layout drawings. *Lecture Notes in Computer Science*, 719:604–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krause:1993:ARS

[1459] F.-L. Krause, H. Jansen, and N. Luth. Automatic recognition of scanned technical drawings. *Lecture Notes in Computer Science*, 719:609–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Belikova:1993:DIP

[1460] T. P. Belikova. Digital image processing in radiology. an experience of development of technology for computer-aided diagnosis. *Lecture Notes in Computer Science*, 719:614–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vargas:1993:MQP

[1461] J. R. Vargas, R. D. Appel, D. F. Hochstrasser, and C. Pellegrini. Modeling and quantification of protein maps by Gaussian fitting. *Lecture Notes in Computer Science*, 719:627–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kovalev:1993:CAL

[1462] V. A. Kovalev and N. V. Mytzik. Computer analysis of the large intestine contours for the recognition of diseases. *Lecture Notes in Computer Science*, 719:634–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Radeva:1993:RBA

[1463] P. I. Radeva. A rule-based approach to hand X-ray image segmentation. *Lecture Notes in Computer Science*, 719:641–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1993:DCV

[1464] Chun-Han Chen, Yen-Ching Yu, Jinn-Kwei Guo, Chin-Hsing Chen, Yung-Nien Sun, and C. I. Yu. 3-D cerebral vessel reconstruction from angiograms. *Lecture Notes in Computer Science*, 719:649–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jan:1993:CDA

[1465] J. Jan, B. Gabrhel, J. Haluzikova, P. Kilian, R. Kubak, Jr., and I. Provaznik. Comparison of different approaches to suppress speckles in ultrasonic tomograms. *Lecture Notes in Computer Science*, 719:657–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mikolajczyk:1993:TBC

[1466] K. Mikolajczyk, J. Owczarczyk, and W. Recko. A test-bed for computer-assisted fusion of multi-modality medical images. *Lecture Notes in Computer Science*, 719:664–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Paulus:1993:OOV

[1467] D. W. R. Paulus and M. Wolf. Object-oriented volume segmentation. *Lecture Notes in Computer Science*, 719:669–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jankovic:1993:SMT

[1468] V. Jankovic, E. Ruzicky, and L. Niepel. Smooth morphological transformation of CT and MR medical data. *Lecture Notes in Computer Science*, 719:674–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smutny:1993:EPF

[1469] V. Smutny, T. Dostalova, J. Duskova, and V. Hlavac. Evaluation of plaque formation — surface reflectance measurement. *Lecture Notes in Computer Science*, 719:679–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Szekely:1993:AMA

[1470] G. Szekely, G. Gerig, Th. Koller, Ch. Brechbuhler, and O. Kubler. Analysis of MR angiography volume data leading to the structural description of the cerebral vessel tree. *Lecture Notes in Computer Science*, 719:687–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wiffen:1993:ACN

[1471] L. N. Wiffen and J. T. Kent. The automatic classification of normal and abnormal chromosomes using image analysis. *Lecture Notes in Computer Science*, 719:693–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hanajik:1993:RTI

[1472] M. Hanajik and R. G. Van Vliet. Real time image processing for fast seam

tracking. *Lecture Notes in Computer Science*, 719:698–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boccignone:1993:EVT

[1473] G. Boccignone, L. Esposito, and A. Marcelli. An experimental vision tool for real time quality control. *Lecture Notes in Computer Science*, 719: 706–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wen:1993:HTA

[1474] J. Wen. High-tech approaches of computer vision in industry. *Lecture Notes in Computer Science*, 719:711–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ivanov:1993:IPS

[1475] E. Ivanov, D. Holm, W. Osten, and W. Juptner. An image processing system for material flow control in coal mining industry. *Lecture Notes in Computer Science*, 719:716–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bres:1993:TQA

[1476] S. Bres, H. Emptoz, and G. Merle. Transparency quantification. application to composite materials quality controls by image processing. *Lecture Notes in Computer Science*, 719:721–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boulecane:1993:CCM

[1477] H. Boulecane, N. Vincent, M. Ruffier, and H. Emptoz. Control of composite material structure by fractal methods. *Lecture Notes in Computer Science*, 719:726–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Palenichka:1993:MBA

[1478] R. M. Palenichka and R. T. Mysak. Model-based adaptive preprocessing of images in automated visual inspection. *Lecture Notes in Computer Science*, 719:732–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Perner:1993:AKB

[1479] P. Perner. Application of knowledge-based image inspection system for diagnosis of misprints in offsetprinting. *Lecture Notes in Computer Science*, 719: 738–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Toth:1993:MIM

[1480] Ch. K. Toth and T. Schenk. Multiple image matching in an automatic aerotriangulation system. *Lecture Notes in Computer Science*, 719:750–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Simberova:1993:DPS

[1481] S. Simberova. Digital processing of Skylab X-ray images of the solar corona. *Lecture Notes in Computer Science*, 719:759–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1993:FHF

[1482] G. Yang and T. S. Huang. Finding human faces in a picture. *Lecture Notes in Computer Science*, 719:766–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hegedus:1993:CCA

[1483] Gy. Cs. Hegedus. CADI: Computer assisted educational package for digital image processing. *Lecture Notes in Computer Science*, 719:770–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dobrusin:1993:CIA

[1484] Y. Dobrusin, Y. Edan, I. Grinshpun, U. M. Peiper, I. Wolf, and A. Hetzroni. Computer image analysis to locate targets for an agricultural robot. *Lecture Notes in Computer Science*, 719:775–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berke:1993:ADI

[1485] J. Berke, K. Gyorffy, G. Fischl, L. Karpati, and J. Bakonyi. The application of digital image processing in the evaluation of agricultural experiments. *Lecture Notes in Computer Science*, 719:780–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hattori:1993:GAL

[1486] K. Hattori, M. Yamaguchi, N. Iwama, and M. Hayakawa. GCV-Aided linear image regularization for the reconstruction of wave distribution function of magnetospheric VLF/ELF waves. *Lecture Notes in Computer Science*, 719:788–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alekseev:1993:CDA

[1487] A. S. Alekseev, V. P. Pyatkin, and G. I. Salov. Crater detection in aero-space imagery using simple nonparametric statistical tests. *Lecture Notes in Computer Science*, 719:793–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Honisch:1993:DRS

[1488] U. Honisch. Digital retina — simulating dynamic behavior of visual perception. *Lecture Notes in Computer Science*, 719:800–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

diGesu:1993:NHR

[1489] V. di Gesu, G. Gerardi, S. Impedovo, B. Lenzitti, G. Parodi, and D. Tegolo. A new heterogeneous and reconfigurable architecture for image analysis. *Lecture Notes in Computer Science*, 719:805–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Roska:1993:ASC

[1490] T. Roska. The analogic single-chip CNN visual supercomputer — a review. *Lecture Notes in Computer Science*, 719:813–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kotropoulos:1993:VLV

[1491] C. Kotropoulos and I. Pitas. A variant of learning vector quantizer based on split-merge statistical tests. *Lecture*

Notes in Computer Science, 719:822–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mascarilla:1993:NNC

[1492] L. Mascarilla, E. H. Zahzah, and J. Desachy. Neural networks classifiers based on geocoded data and MultiSpectral images for satellite image interpretation. *Lecture Notes in Computer Science*, 719:830–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Michaelis:1993:ANN

[1493] B. Michaelis and G. Krell. Artificial neural networks for image improvement. *Lecture Notes in Computer Science*, 719:838–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Radvanyi:1993:UCN

[1494] A. G. Radvanyi. Using cellular neural network to "see" random-dot stereograms. *Lecture Notes in Computer Science*, 719:846–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Busse:1993:IHC

[1495] R. Busse, A. Muller, and E. J. Neuhold. Information handling — A challenge for databases and expert systems. *Lecture Notes in Computer Science*, 720: 1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Al-Jadir:1993:CVO

[1496] L. Al-Jadir, G. Falquet, and M. Leonard. Context versions in an object-oriented model. *Lecture Notes in Computer Science*, 720:24–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gross-Hardt:1993:TCL

[1497] M. Gross-Hardt and G. Vossen. Towards class-less object models for engineering design applications. *Lecture Notes in Computer Science*, 720:36–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pokorny:1993:SRC

[1498] J. Pokorny. Semantic relativism in conceptual modelling. *Lecture Notes in Computer Science*, 720:48–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hartmann:1993:ASC

[1499] T. Hartmann, R. Jungclaus, and G. Saake. Animation support for a conceptual modelling language. *Lecture Notes in Computer Science*, 720:56–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Duong:1993:UMD

[1500] T. Duong, J. Hiller, and U. Srinivasan. A unifying model of data, metadata and context. *Lecture Notes in Computer Science*, 720:68–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barbara:1993:IBS

[1501] D. Barbara and Ch. Clifton. Information brokers: Sharing knowledge in a heterogeneous distributed system. *Lecture Notes in Computer Science*, 720:80–??, 1993. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1993:CMT

[1502] J. Chen, O. A. Bukhres, and J. Sharif-Askary. A customized multidatabase transaction management strategy. *Lecture Notes in Computer Science*, 720: 92–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Danes:1993:IBD

[1503] A. Danes, F. Exertier, and S. Haj Houssain. Interoperability between a distributed system and a database system. *Lecture Notes in Computer Science*, 720:104–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mullen:1993:RCU

[1504] J. G. Mullen, J. Jing, and J. Sharif-Askary. Reservation commitment and its use in multidatabase systems. *Lecture Notes in Computer Science*, 720: 116–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meng:1993:PQP

[1505] W. Meng, Ch. Liu, W. Sun, and C. Yu. Predict query processing cost in a distributed database system. *Lecture Notes in Computer Science*, 720:122–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chu:1993:CCQ

[1506] W. W. Chu. CoBase: A cooperative query answering facility for database systems. *Lecture Notes in Computer Science*, 720:134–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abdelguerfi:1993:DDR

[1507] M. Abdelguerfi, K. Grant, E. Murphy, and W. Patterson. Duplicate deletion in a ring connected, shared-nothing, parallel database system. *Lecture Notes in Computer Science*, 720: 146–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kurutach:1993:TFT

[1508] W. Kurutach and J. Franklin. On temporal-fuzziness in temporal fuzzy databases. *Lecture Notes in Computer Science*, 720:154–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Springsteel:1993:OBS

[1509] F. N. Springsteel. Object-based schema integration for heterogeneous databases: A logical approach. *Lecture Notes in Computer Science*, 720: 166–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Veijalainen:1993:HMT

[1510] J. Veijalainen. Heterogeneous multilevel transaction management with multiple substransactions. *Lecture Notes in Computer Science*, 720:181–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ling:1993:ICO

[1511] T. W. Ling and P. K. Teo. Inheritance conflicts in object-oriented sys-

tems. *Lecture Notes in Computer Science*, 720:189–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhao:1993:MDD

[1512] J. L. Zhao. Managing derived data in intelligent database systems: An implementation study. *Lecture Notes in Computer Science*, 720:201–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhong:1993:ICM

[1513] N. Zhong and S. Ohsuga. An integrated calculation model for discovering functional relations from databases. *Lecture Notes in Computer Science*, 720: 213–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ishakbeyoglu:1993:MII

[1514] N. S. Ishakbeyoglu and Z. M. Ozsoyoglu. On the maintenance of implication integrity constraints. *Lecture Notes in Computer Science*, 720:221–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Naqvi:1993:RAD

[1515] W. Naqvi and M. T. Ibrahim. REFLEX active database model: Application of Petri-nets. *Lecture Notes in Computer Science*, 720:233–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wu:1993:RAA

[1516] J. Wu and L. Harbird. Road accident analysis using a functional database language. *Lecture Notes in Computer Science*, 720:241–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Revell:1993:DPE

[1517] N. Revell and M. W. Youssef. Database performance evaluation: a methodological approach. *Lecture Notes in Computer Science*, 720:253–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kersten:1993:DID

[1518] M. L. Kersten and F. Kwakkel. Design and implementation of a DBMS performance assessment tool. *Lecture Notes in Computer Science*, 720:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Du:1993:MDQ

[1519] K. Du and G. Ozsoyoglu. Modifying database queries and error constraints. *Lecture Notes in Computer Science*, 720:277–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rabitti:1993:PES

[1520] F. Rabitti, R. S. Sferrazza, M. G. Tori, and P. Zezula. Performance evaluation system for object stores. *Lecture Notes in Computer Science*, 720:289–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hameurlain:1993:OMD

[1521] A. Hameurlain and F. Morvan. An optimization method of data communication and control for parallel execution of SQL queries. *Lecture Notes in Computer Science*, 720:301–??, 1993.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Son:1993:DDS

[1522] S. H. Son, D. W. George, and Y.-K. Kim. Developing a database system for time-critical applications. *Lecture Notes in Computer Science*, 720:313–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Keim:1993:OOQ

[1523] D. A. Keim, H.-P. Kriegel, and A. Miethsam. Object-oriented querrying of existing relational databases. *Lecture Notes in Computer Science*, 720:325–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kornatzky:1993:PSD

[1524] Y. Kornatzky and S. E. Shimony. A probabilistic spatial data model. *Lecture Notes in Computer Science*, 720: 337–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kriegel:1993:QPG

[1525] H.-P. Kriegel, S. Heep, A. Fahldiek, and N. Mysliwitz. Query processing of geometric objects with free form boundaries in spatial databases. *Lecture Notes in Computer Science*, 720: 349–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anogianakis:1993:BDB

[1526] G. Anogianakis, A. Krotopoulou, P. Spirakis, D. Terpou, and A. Tsakalidis. Brain data base (BDB). *Lecture Notes in Computer Science*, 720:361–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gardarin:1993:ICR

[1527] G. Gardarin. Integrating classes and relations to model and query geographical databases. *Lecture Notes in Computer Science*, 720:365–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hemerly:1993:TCG

[1528] A. S. Hemerly, A. L. Furtado, and M. A. Casanova. Towards cooperativeness in geographic databases. *Lecture Notes in Computer Science*, 720:373–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

David:1993:OOC

[1529] B. David, L. Raynal, and G. Schorter. GeO_2: Object-oriented contribution for a geographical DBMS? *Lecture Notes in Computer Science*, 720:377–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Song:1993:GES

[1530] I.-Y. Song, H. M. Godsey, J. Newton, and B. Bargmeyer. GemCode: An expert system generating mnemonic codes for data elements and data items. *Lecture Notes in Computer Science*, 720:384–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Webster:1993:APK

[1531] C. A. G. Webster, M. Weller, M. M. Sfantsikopoulos, and V. D. Tsoukalas. ALEXSYS — A prototype knowledge based expert system for the quality assurance of high pressure die castings. *Lecture Notes in Computer Science*, 720:396–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Finch:1993:VFE

[1532] I. Finch. Viewpoints — facilitating expert systems for multiple users. *Lecture Notes in Computer Science*, 720: 401–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guan:1993:ISL

[1533] J. W. Guan and D. A. Bell. Improving Shafer-Logan's algorithm for handling hierarchical evidence. *Lecture Notes in Computer Science*, 720:413–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Popper:1993:LLH

[1534] M. Popper. From low-level to high-level operations in expert systems. *Lecture Notes in Computer Science*, 720:424–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilson:1993:CEK

[1535] E. Wilson. Corpora as expert knowledge domains: the Oxford Advanced Learner's Dictionary. *Lecture Notes in Computer Science*, 720:428–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lehner:1993:MKB

[1536] F. Lehner, H. F. Hofmann, R. Setzer, and R. Maier. Maintenance of knowledge bases. *Lecture Notes in Computer Science*, 720:436–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zdrahal:1993:UCS

[1537] Z. Zdrahal. Using candidate space structure to propose the next measurement in model based diagnosis. *Lecture Notes in Computer Science*, 720: 448–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Debenham:1993:DFC

[1538] J. Debenham. Decomposition of four component items. *Lecture Notes in Computer Science*, 720:457–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brayshaw:1993:IID

[1539] M. Brayshaw. Intelligent inference for debugging concurrent systems. *Lecture Notes in Computer Science*, 720:461–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Botti:1993:STK

[1540] V. Botti, F. Barber, A. Crespo, D. Gallardo, I. Ripoll, E. Onaindia, and L. Hernandez. Sharing temporal knowledge by multiple agents. *Lecture Notes in Computer Science*, 720:470–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hung:1993:QEL

[1541] H.-K. Hung, P. Martin, J. Glasgow, Ch. Walmsley, and M. Jenkins. Querying and exploring large knowledge bases. *Lecture Notes in Computer Science*, 720:474–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Watt:1993:MTO

[1542] S. Watt. Managing text objectively. *Lecture Notes in Computer Science*, 720:478–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schweighofer:1993:LES

[1543] E. Schweighofer and W. Winiwarter. Legal expert system KONTERM — automatic representation of document structure and contents. *Lecture Notes in Computer Science*, 720:486–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Munoz:1993:MME

[1544] J. F. Munoz and F. Galindo. Matrim, man expert system on marital law. *Lecture Notes in Computer Science*, 720:498–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Poulin:1993:CC

[1545] D. Poulin, P. St-Vincent, and P. Bratley. Contradiction and confirmation. *Lecture Notes in Computer Science*, 720:502–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tiscornia:1993:MRL

[1546] D. Tiscornia. Meta-reasoning in law: A computational model. *Lecture Notes in Computer Science*, 720:514–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baaz:1993:AKT

[1547] M. Baaz, F. Galindo, G. Quirchmayr, and M. Vazqez. The application of Kripke-type structures to regional development programs. *Lecture Notes in Computer Science*, 720:523–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Markowitz:1993:DMT

[1548] V. M. Markowitz and I.-M. A. Chen. Data management tools for genomic applications: A progress report. *Lecture Notes in Computer Science*, 720:529–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rotterdam:1993:RCI

[1549] E. Rotterdam, S. Van Denneheuvel, P. Hennis, and P. Van Emde Boas. Resolution of constraint inconsistency with the aim to provide support in anaesthesia. *Lecture Notes in Computer Science*, 720:541–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Toure:1993:OOI

[1550] F. Toure and M. Schneider. An object-oriented implementation for a semantic system (CANDID). *Lecture Notes in Computer Science*, 720:553–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Afsarmanesh:1993:DSM

[1551] H. Afsarmanesh, F. Tuijnman, M. Wiedijk, and L. O. Hertzberger. Distributed schema management in a cooperation network of autonomous agents. *Lecture Notes in Computer Science*, 720:565–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dilger:1993:DAS

[1552] W. Dilger and S. Kassel. A distributed AI system for job shop control. *Lecture Notes in Computer Science*, 720:577–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gospodarowicz:1993:ESP

[1553] A. Gospodarowicz, E. Kania, S. Krawczyk, M. Rymarczyk, and A. M. Tjoa. Expert system for production planning of perishable goods. *Lecture Notes in Computer Science*, 720:583–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mekras:1993:ESM

[1554] N. D. Mekras, A. G. Malama, G. P. Parnassas, and I. P. Tatsiopoulos. An expert system as a manager in the application of production planning and control software in CIM environments. *Lecture Notes in Computer Science*, 720:593–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Djeraba:1993:CDR

[1555] C. Djeraba, A. A. Hssain, and B. Descotes-Genon. Composition and dependency relationships in production information system design. *Lecture Notes in Computer Science*, 720: 605–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takizawa:1993:VT

[1556] M. Takizawa, S. Hamada, and S. M. Deen. Vehicle transactions. *Lecture Notes in Computer Science*, 720:611–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gevers:1993:AIR

[1557] T. Gevers and A. W. M. Smeulders. An approach to image retrieval for image databases. *Lecture Notes in Computer Science*, 720:615–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Candela:1993:FPC

[1558] S. Candela, C. Garcia, J. Munoz, and F. Alayon. Facilitatory process for contrast detection. *Lecture Notes in Computer Science*, 720:627–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Emmerich:1993:OOD

[1559] W. Emmerich, P. Kroha, and W. Schafer. Object-oriented database management systems for construction of CASE environments. *Lecture Notes in Computer Science*, 720:631–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hwang:1993:SDR

[1560] T.-L. Hwang. Summary data representations in application developments. *Lecture Notes in Computer Science*, 720:643–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rolland:1993:RPC

[1561] C. Rolland and N. Prakash. Reusable process chunks. *Lecture Notes in Computer Science*, 720:655–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lopez:1993:ADD

[1562] O. P. Lopez, I. Ramos, and J. H. Canos. From analysis to design in a deductive and object-oriented environment. *Lecture Notes in Computer Science*, 720:667–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vlachantonis:1993:CSO

[1563] N. Vlachantonis. A case study for an open CASE system: The TROLL light development environment. *Lecture Notes in Computer Science*, 720: 673–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Welzer:1993:MDM

[1564] T. Welzer and J. Eder. Meta data model for database design. *Lecture Notes in Computer Science*, 720:677–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wu:1993:EPO

[1565] X. Wu and J. Neuhaus. Extending PCTE with object-oriented capabilities. *Lecture Notes in Computer Science*, 720:681–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maurer:1993:NHD

[1566] H. Maurer, N. Scherbakov, and P. Srinivasan. A new hypermedia data model. *Lecture Notes in Computer Science*, 720:685–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bench-Capon:1993:LSH

[1567] T. J. M. Bench-Capon, P. E. S. Dunne, and G. Staniford. Linearisation schemata for hypertext. *Lecture Notes in Computer Science*, 720:697–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amann:1993:HOI

[1568] B. Amann, V. Christophides, and M. Scholl. HyperPATH/ osub 2: Integrating hypermedia systems with object-oriented database systems. *Lecture Notes in Computer Science*, 720: 709–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nanard:1993:IKB

[1569] J. Nanard, M. Nanard, A.-M. Massotte, A. Djemaa, A. Joubert, H. Betaille, and J. Chauche. Integrating knowledge-based hypertext and database for task-oriented access to documents. *Lecture Notes in Computer*

Science, 720:721–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karagiannis:1993:RUI

[1570] D. Karagiannis, E. Ortwein, and J. Gag. Reengineering of user interfaces for the migration of database applications. *Lecture Notes in Computer Science*, 720:733–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klein:1993:UIK

[1571] M. R. Klein and R. Traunmuller. User interface of knowledge Based-DSS development environment. *Lecture Notes in Computer Science*, 720: 746–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Qutaishat:1993:HCS

[1572] M. A. Qutaishat, W. A. Gray, and N. J. Fiddian. A highly-customisable schema meta-visualisation system for object-oriented (O-O) database schemas — overview. *Lecture Notes in Computer Science*, 720:756–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kuroki:1993:WUA

[1573] S. Kuroki, K. Kikkawa, K. Kaneko, and A. Makinouchi. Walkthrough using animation database system MOVE. *Lecture Notes in Computer Science*, 720: 760–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buchberger:1993:MSD

[1574] B. Buchberger. Mathematica: A system for doing mathematics by computer? *Lecture Notes in Computer Science*, 722:1, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bauer:1993:PCA

[1575] B. Bauer and R. Hennicker. Proving the correctness of algebraic implementations by the ISAR system. *Lecture Notes in Computer Science*, 722:2–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gogolla:1993:SCC

[1576] M. Gogolla, S. Conrad, and R. Herzig. Sketching concepts and computational model of TROLL light. *Lecture Notes in Computer Science*, 722:17–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yi:1993:ATT

[1577] B. Yi and J. Xu. Analogical type theory. *Lecture Notes in Computer Science*, 722:33–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jebelean:1993:IME

[1578] T. Jebelean. Improving the multiprecision Euclidean algorithm. *Lecture Notes in Computer Science*, 722:45–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maeder:1993:SAK

[1579] R. Maeder. Storage allocation for the Karatsuba integer multiplication algorithm. *Lecture Notes in Computer*

Science, 722:59–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diaz:1993:PSD

[1580] A. Diaz, M. Hitz, E. Kaltofen, A. Lobo, and T. Valente. Process scheduling in DSC and the large sparse linear systems challenge. *Lecture Notes in Computer Science*, 722:66–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Monagan:1993:GPD

[1581] Michael B. Monagan. Gauss: A parameterized domain of computation system with support for signature functions. *Lecture Notes in Computer Science*, 722:81–94, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weber:1993:CCA

[1582] A. Weber. On coherence in computer algebra. *Lecture Notes in Computer Science*, 722:95–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

diBlasio:1993:SIL

[1583] P. di Blasio and M. Temperini. Subtyping inheritance in languages for symbolic computation systems. *Lecture Notes in Computer Science*, 722:107–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Calmet:1993:UAB

[1584] J. Calmet and I. A. Tjandra. A unified-algebra-based specification language for symbolic computing. *Lecture Notes in Computer Science*, 722:122–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hearn:1993:OSA

[1585] A. C. Hearn and E. Schrufer. An order-sorted approach to algebraic computation. *Lecture Notes in Computer Science*, 722:134–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fritzson:1993:VHI

[1586] P. Fritzson, V. Engelson, and L. Viklund. Variant handling, inheritance and composition in the ObjectMath computer algebra environment. *Lecture Notes in Computer Science*, 722:145–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grivas:1993:MUO

[1587] G. Grivas and R. E. Maeder. Matching and unification for the object-oriented symbolic computation system AlgBench. *Lecture Notes in Computer Science*, 722:164–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Santas:1993:TSC

[1588] P. S. Santas. A type system for computer algebra. *Lecture Notes in Computer Science*, 722:177–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Omodeo:1993:DPS

[1589] E. G. Omodeo and A. Policriti. Decision procedures for set/hyperset contexts. *Lecture Notes in Computer*

Science, 722:192–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Farmer:1993:RC

[1590] W. M. Farmer, J. D. Guttman, and F. J. Thayer. Reasoning with contexts. *Lecture Notes in Computer Science*, 722:216–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caferra:1993:GGF

[1591] R. Caferra and M. Herment. GLEFAT-INF: A graphic framework for combining theorem provers and editing proofs for different logics. *Lecture Notes in Computer Science*, 722:229–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caprotti:1993:ERC

[1592] O. Caprotti. Extending RISC-CLP (real) to handle symbolic functions. *Lecture Notes in Computer Science*, 722:241–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feng:1993:DTR

[1593] S. Feng, T. Sakabe, and Y. Inagaki. Dynamic term rewriting calculus and its application to inductive equational reasoning. *Lecture Notes in Computer Science*, 722:256–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonacina:1993:DDC

[1594] M. P. Bonacina and J. Hsiang. Distributed deduction by clause-diffusion: The Aquarius Prover. *Lecture Notes in Computer Science*, 722:272–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hong:1993:DSP

[1595] H. Hong, A. Neubacher, and W. Schreiner. The design of the SACLIB/PACLIB kernels. *Lecture Notes in Computer Science*, 722:288–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zippel:1993:WCA

[1596] R. Zippel. The Weyl computer algebra substrate. *Lecture Notes in Computer Science*, 722:303–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Limongelli:1993:URM

[1597] C. Limongelli and M. Temperini. On the uniform representation of mathematical data structures. *Lecture Notes in Computer Science*, 722:319–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Norman:1993:CDS

[1598] A. C. Norman. Compact delivery support for REDUCE. *Lecture Notes in Computer Science*, 722:331–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fournier:1993:IPL

[1599] R. Fournier, N. Kajler, and B. Mourrain. IZIC: A portable language-driven tool for mathematical surfaces visualization. *Lecture Notes in Computer Science*, 722:341–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meshveliani:1993:ACC

[1600] S. D. Meshveliani. The algebraic constructor CAC: Computing in construction-defined domains. *Lecture Notes in Computer Science*, 722:354–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Missura:1993:EAT

[1601] S. A. Missura. Extending AlgBench with a type system. *Lecture Notes in Computer Science*, 722:359–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vantaggiato:1993:MFF

[1602] A. Vantaggiato. Modeling finite fields with Mathematica — applications to the computation of exponential sums and to the solution of equations over finite fields. *Lecture Notes in Computer Science*, 722:364–368, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonamico:1993:ESC

[1603] S. Bonamico, G. Cioni, and A. Colagrossi. An enhanced sequent calculus for reasoning in a given domain. *Lecture Notes in Computer Science*, 722:369–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nepomniaschy:1993:POM

[1604] V. A. Nepomniaschy and A. A. Sulimov. Problem-oriented means of program specification and verification in project SPECTRUM. *Lecture Notes in Computer Science*, 722:374–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Walsh:1993:GPP

[1605] T. Walsh. General purpose proof plans. *Lecture Notes in Computer Science*, 722:379–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gaines:1993:MEE

[1606] Brian R. Gaines. Modelling and extending expertise. *Lecture Notes in Computer Science*, 723:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boy:1993:KAD

[1607] Guy Boy. Knowledge acquisition in dynamic systems: How can logicism and situatedness go together? *Lecture Notes in Computer Science*, 723:23–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Akkermans:1993:SCP

[1608] Hans Akkermans, Bob Wielinga, and Guus Schreiber. Steps in constructing problem solving methods. *Lecture Notes in Computer Science*, 723:45–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Breuker:1993:MAL

[1609] Joost Breuker. Modelling artificial legal reasoning. *Lecture Notes in Computer Science*, 723:66–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zackland:1993:SBC

[1610] Manuel Zackland and Dominique Fontaine. Systematic building of con-

ceptual classification systems with C-KAT. *Lecture Notes in Computer Science*, 723:79–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gappa:1993:MRL

[1611] Karsten Gappa and Ute Poeck. Making role limiting shells more flexible. *Lecture Notes in Computer Science*, 723: 103–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Thomas:1993:MLT

[1612] Jerome Thomas, Philippe Laublet, and Jean-Gabriel Ganascia. A machine learning tool designed for a model-based knowledge acquisition approach. *Lecture Notes in Computer Science*, 723:123–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alllemang:1993:GTK

[1613] Dean Alllemang and Gertjan Van Heijst. Generic tasks in KEW. *Lecture Notes in Computer Science*, 723:139–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Linster:1993:RSM

[1614] Marc Linster. A review of Sisyphus 91 and 92: Models of problem-solving knowledge. *Lecture Notes in Computer Science*, 723:159–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Causse:1993:HCK

[1615] Karine Causse. Heuristic control knowledge. *Lecture Notes in Computer Science*, 723:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Neubert:1993:MCM

[1616] Susanne Neubert. Model construction in MIKE (model-based and incremental knowledge engineering). *Lecture Notes in Computer Science*, 723:200–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Paris:1993:EIS

[1617] Cecile Paris and Yolanda Gil. EXPECT: Intelligent support for knowledge base refinement. *Lecture Notes in Computer Science*, 723:220–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vicat:1993:CCA

[1618] Catherine Vicat, Alain Busac, and Jean-Gabriel Ganascia. CERISE: A cyclic approach for knowledge acquisition. *Lecture Notes in Computer Science*, 723:237–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shaw:1993:PCP

[1619] Mildred L. G. Shaw and Brian R. Gaines. Personal construct psychology foundations for knowledge acquisition and representation. *Lecture Notes in Computer Science*, 723:256–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Compton:1993:KAA

[1620] Paul Compton, Kang Byeong, Philip Preston, and Mary Mulholland. Knowledge acquisition without analysis. *Lec-*

ture Notes in Computer Science, 723: 277–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mengshoel:1993:AMU

[1621] Ole Jakob Mengshoel and Ingeborg Solvberg. Acquisition and modelling of uncertain, incomplete and time-varying knowledge. *Lecture Notes in Computer Science*, 723:300–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Domingue:1993:EVW

[1622] John Domingue, Enrico Motta, and Stuart Watt. The emerging VITAL workbench. *Lecture Notes in Computer Science*, 723:320–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tijerino:1993:MIE

[1623] Yuri Adrian Tijerino and Riichiro Mizoguchi. MULTIS II: Enabling end-users to design problem-solving engines via two-level task ontologies. *Lecture Notes in Computer Science*, 723:340–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Muzard:1993:PDC

[1624] Joel Muzard, Aziza Hanafi, Andre Dupont, and Benoit Tiffou. The participatory design of a computer assisted knowledge engineering methodology and tool: The ALADIN+Project. *Lecture Notes in Computer Science*, 723:360–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Addis:1993:KAV

[1625] Tom R. Addis, David C. Goodong, and Jan J. Townsend. Knowledge acquisition with visual functional programming. *Lecture Notes in Computer Science*, 723:379–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dieng:1993:AGK

[1626] Rose Dieng, Olivier Corby, and Stephane Lapalut. Acquisition of gradual knowledge. *Lecture Notes in Computer Science*, 723:407–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biebow:1993:AVT

[1627] Brigitte Biebow and Sylvie Szulman. Acquisition and validation: From text to semantic network. *Lecture Notes in Computer Science*, 723:427–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VanHentenryck:1993:IGA

[1628] P. Van Hentenryck, O. Degimbe, B. Le Charlier, and L. Michel. The impact of granularity in abstract interpretation of Prolog. *Lecture Notes in Computer Science*, 724:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

LeCharlier:1993:OTG

[1629] B. Le Charlier, O. Degimbe, L. Michel, and P. Van Hentenryck. Optimization techniques for general purpose fixpoint algorithms: practical efficiency for the abstract interpretation of Prolog. *Lecture Notes in Computer Science*, 724: 15–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Jorgensen:1993:CFI

[1630] N. Jorgensen. Chaotic fixpoint iteration guided by dynamic dependency. *Lecture Notes in Computer Science*, 724:27–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferguson:1993:FAI

[1631] A. Ferguson and J. Hughes. Fast abstract interpretation using sequential algorithms. *Lecture Notes in Computer Science*, 724:45–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fernandez:1993:AIV

[1632] J. C. Fernandez. Abstract interpretation and verification of reactive systems. *Lecture Notes in Computer Science*, 724:60–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cridlig:1993:SAL

[1633] R. Cridlig and E. Goubault. Semantics and analysis of Linda-based languages. *Lecture Notes in Computer Science*, 724:72–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Talpin:1993:CFC

[1634] J-P Talpin and P. Jouvelot. Compiling FX on the CM-2. *Lecture Notes in Computer Science*, 724:87–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maffeis:1993:CDA

[1635] O. Maffeis and P. Le Guernic. Combining dependability with architectural adaptability by means of the SIGNAL language. *Lecture Notes in Computer Science*, 724:99–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VanRoy:1993:CDU

[1636] P. Van Roy. Challenges in developing useful and practical static analysis for logic programs. *Lecture Notes in Computer Science*, 724:111–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gluck:1993:ORM

[1637] R. Gluck and A. Klimov. Occam's razor in metacomputation: the notion of a perfect process tree. *Lecture Notes in Computer Science*, 724:112–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chin:1993:TFM

[1638] W-N. Chin and S-C. Khoo. Tupling functions with multiple recursion parameters. *Lecture Notes in Computer Science*, 724:124–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Thiemann:1993:ART

[1639] P. Thiemann. Avoiding repeated tests in pattern matching. *Lecture Notes in Computer Science*, 724:141–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruynooghe:1993:FSL

[1640] M. Bruynooghe and M. Codish. Freeness, sharing, linearity and correctness — all at once. *Lecture Notes in Computer Science*, 724:153–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boye:1993:SDI

[1641] J. Boye, J. Paakki, and J. Maluszynski. Synthesis of directionality information for functional logic programs. *Lecture Notes in Computer Science*, 724:165–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bert:1993:AR

[1642] D. Bert, R. Echahed, and B. M. Ostvold. Abstract rewriting. *Lecture Notes in Computer Science*, 724:178–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hudak:1993:RPO

[1643] P. Hudak. Reflections on program optimization. *Lecture Notes in Computer Science*, 724:193–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nielson:1993:FCS

[1644] F. Nielson and H. R. Nielson. Finiteness conditions for strictness analysis. *Lecture Notes in Computer Science*, 724:194–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benton:1993:SPL

[1645] P. N. Benton. Strictness properties of lazy algebraic datatypes. *Lecture Notes in Computer Science*, 724:206–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amtoft:1993:MT

[1646] T. Amtoft. Minimal thunkification. *Lecture Notes in Computer Science*, 724:218–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kato:1993:EAR

[1647] S. Kato, H. Seki, and H. Itoh. An efficient abductive reasoning system based on program analysis. *Lecture Notes in Computer Science*, 724:230–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Errington:1993:CGP

[1648] L. Errington, C. Hankin, and T. Jensen. A congruence for gamma programs. *Lecture Notes in Computer Science*, 724:242–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wright:1993:UAN

[1649] D. A. Wright and C. A. Baker-Finch. Usage analysis with natural reduction types. *Lecture Notes in Computer Science*, 724:254–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Monsuez:1993:PTW

[1650] B. Monsuez. Polymorphic types and widening operators. *Lecture Notes in*

Computer Science, 724:267–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sahlin:1993:DSA

[1651] D. Sahlin and T. Sjoland. Demonstration: static analysis of AKL. *Lecture Notes in Computer Science*, 724:282–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Israeli:1993:EWF

[1652] A. Israeli and L. Rappoport. Efficient wait-free implementation of a concurrent priority queue. *Lecture Notes in Computer Science*, 725:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoepman:1993:BS

[1653] J.-H. Hoepman and J. Tromp. Binary snapshots. *Lecture Notes in Computer Science*, 725:18–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Israeli:1993:LTS

[1654] A. Israeli, A. Shaham, and A. Shirazi. Linear-time snapshot protocols for unbalanced systems. *Lecture Notes in Computer Science*, 725:26–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anderson:1993:TNS

[1655] J. H. Anderson and M. Moir. Towards a necessary and sufficient condition for wait-free synchronization. *Lecture Notes in Computer Science*, 725:39–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kirousis:1993:EAC

[1656] L. M. Kirousis and A. G. Veneris. Efficient algorithms for checking the atomicity of a run of read and write operations. *Lecture Notes in Computer Science*, 725:54–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Afek:1993:BFM

[1657] Y. Afek, M. Merritt, and G. Taubenfeld. Benign failure models for shared memory. *Lecture Notes in Computer Science*, 725:69–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Burns:1993:GAB

[1658] J. E. Burns, R. I. Cruz, and M. C. Loui. Generalized agreement between concurrent fail-stop processes. *Lecture Notes in Computer Science*, 725:84–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kanellakis:1993:CMA

[1659] P. C. Kanellakis, D. Michailidis, and A. A. Shvartsman. Controlling memory access concurrency in efficient fault-tolerant parallel algorithms. *Lecture Notes in Computer Science*, 725:99–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rabinovich:1993:AEM

[1660] M. Rabinovich and E. D. Lazowska. Asynchronous epoch management in replicated databases. *Lecture Notes in Computer Science*, 725:115–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dolev:1993:CRC

[1661] S. Dolev and J. L. Welch. Crash resilient communication in dynamic networks. *Lecture Notes in Computer Science*, 725:129–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Choy:1993:DJS

[1662] M. Choy and A. K. Singh. Distributed job scheduling using snapshots. *Lecture Notes in Computer Science*, 725:145–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dolev:1993:OTS

[1663] S. Dolev. Optimal time self stabilization in dynamic systems. *Lecture Notes in Computer Science*, 725:160–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anagnostou:1993:TTP

[1664] E. Anagnostou and V. Hadzilacos. Tolerating transient and permanent failures. *Lecture Notes in Computer Science*, 725:174–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berman:1993:QAB

[1665] P. Berman and A. A. Bharali. Quick atomic broadcast. *Lecture Notes in Computer Science*, 725:189–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Attiya:1993:TBD

[1666] H. Attiya and T. Djerassi-Shintel. Time bounds for decision problems in the presence of timing uncertainty and failures. *Lecture Notes in Computer Science*, 725:204–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Flammini:1993:BR

[1667] M. Flammini, G. Gambosi, and S. Salomone. Boolean routing. *Lecture Notes in Computer Science*, 725:219–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hardavellas:1993:NSC

[1668] N. Hardavellas, D. Karakos, and M. Mavronicolas. Notes on sorting and counting networks. *Lecture Notes in Computer Science*, 725:234–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Higham:1993:SEA

[1669] L. Higham and T. Przytycka. A simple, efficient algorithm for maximum finding on rings. *Lecture Notes in Computer Science*, 725:249–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Syrotiuk:1993:WTD

[1670] V. R. Syrotiuk, C. J. Colbourn, and J. Pachl. Wang tilings and distributed orientation on anonymous torus networks. *Lecture Notes in Computer Science*, 725:264–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wu:1993:FPS

[1671] C. Wu, G. V. Bochmann, and M. Yao. Fairness of N-party synchronization and its implementation in a distributed

environment. *Lecture Notes in Computer Science*, 725:279–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boniol:1993:PDR

[1672] F. Boniol and M. Adelantado. Programming distributed reactive systems: a strong and weak synchronous coupling. *Lecture Notes in Computer Science*, 725:294–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leong:1993:UMS

[1673] H. V. Leong, D. Agrawal, and J. R. Agre. Using message semantics to reduce rollback in the time warp mechanism. *Lecture Notes in Computer Science*, 725:309–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Albers:1993:ILC

[1674] S. Albers. The influence of lookahead in competitive paging algorithms. *Lecture Notes in Computer Science*, 726:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Atallah:1993:OAS

[1675] M. J. Atallah, D. Z. Chen, and D. T. Lee. An optimal algorithm for shortest paths on weighted interval and circular-arc graphs, with applications. *Lecture Notes in Computer Science*, 726:13–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ben-Asher:1993:ESS

[1676] Y. Ben-Asher, D. Gordon, and A. Schuster. Efficient self simulation algorithms for reconfigurable arrays. *Lecture Notes in Computer Science*, 726: 25–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertolazzi:1993:OUP

[1677] P. Bertolazzi, G. di Battista, C. Mannino, and R. Tamassia. Optimal upward planarity testing of single-source digraphs. *Lecture Notes in Computer Science*, 726:37–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bhatt:1993:BRV

[1678] S. N. Bhatt, G. Bilardi, G. Pucci, A. Ranade, A. L. Rosenberg, and E. J. Schwabe. On bufferless routing of variable-length messages in leveled networks. *Lecture Notes in Computer Science*, 726:49–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Breslauer:1993:SCC

[1679] D. Breslauer. Saving comparisons in the Crochemore-Perrin string matching algorithm. *Lecture Notes in Computer Science*, 726:61–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruggemann-Klein:1993:UER

[1680] A. Brüggemann-Klein. Unambiguity of extended regular expressions in SGML document grammars. *Lecture Notes in Computer Science*, 726:73–84, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bshouty:1993:DSC

[1681] N. H. Bshouty. On the direct sum conjecture in the straight line model. *Lec-*

ture Notes in Computer Science, 726: 85–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cohen:1993:CCG

[1682] R. F. Cohen and R. Tamassia. Combine and conquer: a general technique for dynamic algorithms. *Lecture Notes in Computer Science*, 726:97–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Datta:1993:OCP

[1683] A. Datta, A. Maheshwari, and J.-R. Sack. Optimal CREW-PRAM algorithms for direct dominance problems. *Lecture Notes in Computer Science*, 726:109–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deBerg:1993:TAF

[1684] M. de Berg and M. Van Kreveld. Trekking in the Alps without freezing or getting tired. *Lecture Notes in Computer Science*, 726:121–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Devillers:1993:DBP

[1685] O. Devillers and M. Golin. Dog bites postman: Point location in the moving Voronoi diagram and related problems. *Lecture Notes in Computer Science*, 726:133–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diaz:1993:PAS

[1686] J. Diaz, M. J. Serna, and J. Toran. Parallel approximation schemes for problems on planar graphs. *Lecture Notes in Computer Science*, 726:145–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fellows:1993:DPM

[1687] M. R. Fellows, M. T. Hallett, and H. T. Wareham. DNA physical mapping: Three ways difficult. *Lecture Notes in Computer Science*, 726:157–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Flajolet:1993:CRG

[1688] P. Flajolet, P. Zimmermann, and B. Van Cutsem. A calculus of random generation. *Lecture Notes in Computer Science*, 726:169–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gerstel:1993:BCD

[1689] O. Gerstel and S. Zaks. The bit complexity of distributed sorting. *Lecture Notes in Computer Science*, 726:181–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hagauer:1993:TCP

[1690] J. Hagauer and G. Rote. Three-clustering of points in the plane. *Lecture Notes in Computer Science*, 726: 192–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hromkovic:1993:GVD

[1691] J. Hromkovic, R. Klasing, E. A. Stohr, and H. Wagener. Gossiping in vertex-disjoint paths mode in d-dimensional grids and planar graphs. *Lecture Notes in Computer Science*, 726:200–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Italiano:1993:FDP

[1692] G. F. Italiano, J. A. La Poutre, and M. H. Rauch. Fully dynamic planarity testing in planar embedded graphs. *Lecture Notes in Computer Science*, 726:212–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ivkovic:1993:FDA

[1693] Z. Ivkovic and E. L. Lloyd. Fully dynamic algorithms for bin packing: Being (mostly) myopic helps. *Lecture Notes in Computer Science*, 726:224–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jordan:1993:IVC

[1694] T. Jordan. Increasing the vertex-connectivity in directed graphs. *Lecture Notes in Computer Science*, 726: 236–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klinz:1993:RPB

[1695] B. Klinz, R. Rudolf, and G. J. Woeginger. On the recognition of permuted bottleneck Monge matrices. *Lecture Notes in Computer Science*, 726:248–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kloks:1993:CTM

[1696] T. Kloks, H. Bodlaender, H. Muller, and D. Kratsch. Computing treewidth and minimum fill-in: All you need are the minimal separators. *Lecture Notes in Computer Science*, 726:260–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kunde:1993:BGG

[1697] M. Kunde. Block gossiping on grids and tori: Deterministic sorting and routing match the bisection bound. *Lecture Notes in Computer Science*, 726: 272–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lenstra:1993:CST

[1698] J. K. Lenstra, M. Veldhorst, and B. Veltman. The complexity of scheduling trees with communication delays. *Lecture Notes in Computer Science*, 726:284–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mayr:1993:OTC

[1699] E. W. Mayr and R. Werchner. Optimal tree contraction on the hypercube and related networks. *Lecture Notes in Computer Science*, 726:295–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Paterson:1993:EA

[1700] M. Paterson. Evolution of an algorithm. *Lecture Notes in Computer Science*, 726:306–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rajasekaran:1993:MCC

[1701] S. Rajasekaran. Mesh connected computers with fixed and reconfigurable buses: Packet routing, sorting, and selection. *Lecture Notes in Computer*

Science, 726:309–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ramachandran:1993:EPA

[1702] V. Ramachandran and H. Yang. An efficient parallel algorithm for the layered planar monotone circuit value problem. *Lecture Notes in Computer Science*, 726:321–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sibeyn:1993:RRM

[1703] J. F. Sibeyn, M. Kaufmann, and R. Raman. Randomized routing on meshes with buses. *Lecture Notes in Computer Science*, 726:333–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Simon:1993:DTC

[1704] K. Simon, D. Crippa, and F. Collenberg. On the distribution of the transitive closure in a random acyclic digraph. *Lecture Notes in Computer Science*, 726:345–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schrijver:1993:CDP

[1705] A. Schrijver. Complexity of disjoint paths problems in planar graphs. *Lecture Notes in Computer Science*, 726: 357–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Srivastav:1993:IMF

[1706] A. Srivastav and P. Stangier. Integer multicommodity flows with reduced demands. *Lecture Notes in Computer Science*, 726:360–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Subramanian:1993:FDD

[1707] S. Subramanian. A fully dynamic data structure for reachability in planar digraphs. *Lecture Notes in Computer Science*, 726:372–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wagner:1993:LTA

[1708] D. Wagner and K. Weihe. A linear-time algorithm for edge-disjoint paths in planar graphs. *Lecture Notes in Computer Science*, 726:384–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Waterman:1993:SCS

[1709] M. S. Waterman. Sequence comparison and statistical significance in molecular biology. *Lecture Notes in Computer Science*, 726:396–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Welzl:1993:SRB

[1710] E. Welzl and B. Wolfers. Surface reconstruction between simple polygons via angle criteria. *Lecture Notes in Computer Science*, 726:397–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhou:1993:LAE

[1711] X. Zhou, S. Nakano, and T. Nishizeki. A linear algorithm for edge-coloring partial k-trees. *Lecture Notes in Computer Science*, 726:409–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gasser:1993:OCD

[1712] Les Gasser, Ingemar Hulthage, Brian Leverich, Jon Lieb, and Ann Majchrzak. Organizations as complex, dynamic design problems. *Lecture Notes in Computer Science*, 727:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fisher:1993:SVD

[1713] Michael Fisher and Michael Wooldridge. Specifying and verifying distributed intelligent systems. *Lecture Notes in Computer Science*, 727:13–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Horstmann:1993:LAD

[1714] Thilo C. Horstmann. A logical approach for distributed truth maintenance. *Lecture Notes in Computer Science*, 727:29–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rodrigues:1993:BTT

[1715] Irene Pimenta Rodrigues and Jose G. Lopes. Building text temporal structure. *Lecture Notes in Computer Science*, 727:45–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Damas:1993:RCA

[1716] Luis Damas, Nelma Moreira, and Sabine Broda. Resolution of constraints in algebras of rational trees. *Lecture Notes in Computer Science*, 727:61–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

David:1993:IHT

[1717] Gabriel David and Antonio Porto. Inheritance in a hierarchy of theories. *Lecture Notes in Computer Science*, 727:77–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reichwein:1993:SIK

[1718] Georg Reichwein and Jose Fiadeiro. Semantics of interworking knowledge based systems. *Lecture Notes in Computer Science*, 727:93–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schild:1993:CTL

[1719] Klaus Schild. Combining terminological logics with tense logic. *Lecture Notes in Computer Science*, 727:105–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mamede:1993:TCA

[1720] Margarida Mamede and Luis Monteiro. Towards complete answers in concept languages. *Lecture Notes in Computer Science*, 727:121–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoniou:1993:VSA

[1721] Grigoris Antoniou. Version space algorithms on hierarchies with exceptions. *Lecture Notes in Computer Science*, 727:136–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Matos:1993:RLC

[1722] Armando B. Matos. Regular languages and a class of logic programs. *Lecture Notes in Computer Science*, 727:150–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Matos:1993:SRC

[1723] Armando B. Matos. Some results on the complexity of SLD-Derivations. *Lecture Notes in Computer Science*, 727:158–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Silva:1993:PPE

[1724] Fernando M. A. Silva. An or-parallel Prolog execution model for a distributed shared memory machine. *Lecture Notes in Computer Science*, 727: 170–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pereira:1993:DDC

[1725] Luis Moniz Pereira, Carlos Viegas Damasio, and Jose J. Alferes. Diagnosis and debugging as contradiction removal in logic programs. *Lecture Notes in Computer Science*, 727:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kalinski:1993:WFA

[1726] Jurgen Kalinski. Well-founded approximations of autoepistemic logic. *Lecture Notes in Computer Science*, 727: 198–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoniou:1993:PMD

[1727] Grigoris Antoniou and Elmar Langetepe. A process model for default logic and its realization in logic programming. *Lecture Notes in Computer Science*, 727:213–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cravo:1993:UAD

[1728] Maria R. Cravo and Joao P. Martins. A unified approach to default reasoning and belief revision. *Lecture Notes in Computer Science*, 727:226–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Curien:1993:SOM

[1729] Regis Curien. Second order E-matching as a tool for automated theorem proving. *Lecture Notes in Computer Science*, 727:242–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haselbock:1993:ASI

[1730] Alois Haselbock and Markus Stumptner. Attribute-specific interchangeability in constraint satisfaction problems. *Lecture Notes in Computer Science*, 727:258–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berlandier:1993:UIM

[1731] Pierre Berlandier. The use and interpretation of meta level constraints. *Lecture Notes in Computer Science*, 727: 271–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Menezes:1993:PFI

[1732] Francisco Menezes and Pedro Barahona. Preliminary formalization of an incremental hierarchical constraint solver. *Lecture Notes in Computer Science*, 727:281–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Filgueiras:1993:FMS

[1733] Miguel Filgueiras and Ana P. Tomas. Fast methods for solving linear Diophantine equations. *Lecture Notes in Computer Science*, 727:297–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fox:1993:NCM

[1734] Maria Fox and Derek Long. A note on Chapman's modal truth criterion. *Lecture Notes in Computer Science*, 727:307–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferreira:1993:LOW

[1735] Jose L. S. Ferreira and Ernesto J. F. Costa. Learning operators while planning. *Lecture Notes in Computer Science*, 727:311–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Luck:1993:EEM

[1736] Michael M. Luck. Evaluating evidence for motivated discovery. *Lecture Notes in Computer Science*, 727:324–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Auriol:1993:HLI

[1737] Eric Auriol. How to learn in an incomplete knowledge environment. *Lecture Notes in Computer Science*, 727:340–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giesl:1993:SRC

[1738] Jurgen Giesl and Ingrid Neumann. The semantics of rational contractions. *Lecture Notes in Computer Science*, 727:356–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Demolombe:1993:UFD

[1739] Robert Demolombe. A uniform framework for deductive database derivation strategies. *Lecture Notes in Computer Science*, 727:357–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aparicio:1993:ASS

[1740] Joaquim Nunes Aparicio. Assumption set semantics (the procedures). *Lecture Notes in Computer Science*, 727:358–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bussmann:1993:BA

[1741] Stefan Bussmann and Jurgen Muller. Bargaining agents. *Lecture Notes in Computer Science*, 727:359–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Trombettoni:1993:CMA

[1742] Gilles Trombettoni. A constraint maintenance algorithm based on value prop-

agation. *Lecture Notes in Computer Science*, 727:360–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deCampos:1993:TPT

[1743] Geraldo Lima de Campos and Dimas Trevisan Chbane. A text-to-phoneme translator for the Portuguese language. *Lecture Notes in Computer Science*, 727:361–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diday:1993:LPM

[1744] E. Diday, P. Brito, and E. Mfoumoune. Learning probabilistic models by conceptual pyramidal clustering. *Lecture Notes in Computer Science*, 727:362–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

diManzo:1993:PFT

[1745] M. di Manzo, E. Giunchiglia, A. Armando, and P. Pecchiari. Proving formulas through reduction to decidable classes. *Lecture Notes in Computer Science*, 728:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Armando:1993:BEP

[1746] A. Armando, A. Cimatti, and L. Vigano. Building and executing proof strategies in a formal metatheory. *Lecture Notes in Computer Science*, 728:11–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lamma:1993:CVS

[1747] E. Lamma and P. Mello. Computing 3-valued stable models by using the ATMS. *Lecture Notes in Computer Science*, 728:23–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoniou:1993:APC

[1748] G. Antoniou. Abstract properties for the choice provability relation in non-monotonic logics. *Lecture Notes in Computer Science*, 728:35–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pirri:1993:CPI

[1749] F. Pirri and C. Pizzuti. Characterizing prime implicants as projective spaces. *Lecture Notes in Computer Science*, 728:41–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Conati:1993:ESM

[1750] C. Conati and J. F. Lehman. EFH-Soar: Modeling education in highly interactive microworlds. *Lecture Notes in Computer Science*, 728:47–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castelfranchi:1993:FID

[1751] C. Castelfranchi, A. Cesta, R. Conte, and M. Miceli. Foundations for interaction: the dependence theory. *Lecture Notes in Computer Science*, 728:59–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

McGraw:1993:LSA

[1752] G. McGraw and D. Hofstadter. Letter spirit: an architecture for creativity in a microdomain. *Lecture Notes in Computer Science*, 728:65–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ardizzone:1993:NSE

[1753] E. Ardizzone, A. Chella, and R. Pirrone. New systems for extracting 3-D shape information from images. *Lecture Notes in Computer Science*, 728:71–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gori:1993:PSS

[1754] M. Gori and G. Soda. Projecting subsymbolic onto symbolic representations in artificial neural networks. *Lecture Notes in Computer Science*, 728:84–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Braggiotti:1993:ISS

[1755] A. Braggiotti, G. Chemello, C. Sossai, and G. Trainito. Integrating the symbolic and the sub-symbolic level in sonar-based navigation. *Lecture Notes in Computer Science*, 728:90–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Terna:1993:RIR

[1756] P. Terna. Randomness, imitation or reason explain agents' behaviour into an artificial stock market? *Lecture Notes in Computer Science*, 728:96–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Monfroglio:1993:NNC

[1757] A. Monfroglio. Neural networks for constraint satisfaction. *Lecture Notes in Computer Science*, 728:102–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schaerf:1993:RIC

[1758] A. Schaerf. Reasoning with individuals in concept languages. *Lecture Notes in Computer Science*, 728:108–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bettini:1993:FTT

[1759] C. Bettini. A family of temporal terminological logics. *Lecture Notes in Computer Science*, 728:120–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schaerf:1993:LPA

[1760] M. Schaerf. Logic programming and autoepistemic logics: new relations and complexity results. *Lecture Notes in Computer Science*, 728:132–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gaspari:1993:ILL

[1761] M. Gaspari, E. Motta, and A. Stutt. Inferring in Lego-land: an architecture for the integration of heterogeneous inference modules. *Lecture Notes in Computer Science*, 728:142–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Adorni:1993:MLM

[1762] G. Adorni and A. Poggi. MAP — a language for the modelling of multi-agent

systems. *Lecture Notes in Computer Science*, 728:154–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vossos:1993:DCO

[1763] G. Vossos, J. Zeleznikow, and D. Hunter. Developing co-operating legal knowledge based systems. *Lecture Notes in Computer Science*, 728:160–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Esposito:1993:NSO

[1764] F. Esposito, D. Malerba, and G. Semeraro. Negation as a specializing operator. *Lecture Notes in Computer Science*, 728:166–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nienhuys-Cheng:1993:CRO

[1765] S. H. Nienhuys-Cheng, P. R. J. van der Laag, and L. W. N. van der Torre. Constructing refinement operators by decomposing logical implication. *Lecture Notes in Computer Science*, 728:178–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bergadano:1993:LRB

[1766] F. Bergadano and D. Gunetti. Learning relations: basing top-down methods on inverse resolution. *Lecture Notes in Computer Science*, 728:190–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guvenir:1993:CCM

[1767] H. Altay Guvenir and I. Sirin. Complexity of the CFP, a method for classification based on feature partitioning. *Lecture Notes in Computer Science*, 728:202–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Larranaga:1993:GAE

[1768] P. Larranaga, M. Grana, A. D'Anjou, and F. J. Torrealdea. Genetic algorithms elitist probabilistic of degree 1, a generalization of simulated annealing. *Lecture Notes in Computer Science*, 728:208–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giordana:1993:LRU

[1769] A. Giordana, L. Saitta, M. E. Campidoglio, and G. Lo Bello. Learning relations using genetic algorithms. *Lecture Notes in Computer Science*, 728:218–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pelillo:1993:ELR

[1770] M. Pelillo, F. Abbattista, and A. Maffione. Evolutionary learning for relaxation labeling processes. *Lecture Notes in Computer Science*, 728:230–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maier:1993:ICA

[1771] E. A. Maier and E. Not. Increasing cohesion in automatically generated natural language texts. *Lecture Notes in Computer Science*, 728:242–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ardissono:1993:PCA

[1772] L. Ardissono, L. Lesmo, A. Lombardo, and D. Sestero. Production of cooperative answers on the basis of partial knowledge in information-seeking dialogues. *Lecture Notes in Computer Science*, 728:254–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ciravegna:1993:CMR

[1773] F. Ciravegna and E. Giorda. Coping with modifiers in a restricted domain. *Lecture Notes in Computer Science*, 728:266–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferrari:1993:EST

[1774] G. Ferrari, M. Carenini, and P. Moreschini. Explanation strategies in a tutoring system. *Lecture Notes in Computer Science*, 728:272–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cervoni:1993:MCQ

[1775] R. Cervoni, A. Cesta, and A. Oddi. Maintaining consistency in quantitative temporal constraint networks for planning and scheduling. *Lecture Notes in Computer Science*, 728:278–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Badaloni:1993:MAR

[1776] S. Badaloni, E. Pagello, L. Stocchiero, and A. Zanardi. Making an autonomous robot plan temporally constrained maintenance operations. *Lecture Notes in Computer Science*, 728:290–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stumptner:1993:GCF

[1777] M. Stumptner and A. Haselbock. A generative constraint formalism for configuration problems. *Lecture Notes in Computer Science*, 728:302–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Portinale:1993:SOT

[1778] L. Portinale. Selecting observation time in the monitoring and interpretation of time-varying data. *Lecture Notes in Computer Science*, 728:314–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Varzi:1993:SRH

[1779] A. C. Varzi. Spatial reasoning in a holey world. *Lecture Notes in Computer Science*, 728:326–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ayani:1993:PS

[1780] R. Ayani. Parallel simulation. *Lecture Notes in Computer Science*, 729:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Balsamo:1993:PAQ

[1781] S. Balsamo. Properties and analysis of queueing network models with finite capacities. *Lecture Notes in Computer Science*, 729:21–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blanc:1993:PAO

[1782] H. Blanc. Performance analysis and optimization with the power-series algorithm. *Lecture Notes in Computer Science*, 729:53–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Conti:1993:MAN

[1783] M. Conti, E. Gregori, and L. Lenzini. Metropolitan area networks (MANs): Protocols, modeling and performance evaluation. *Lecture Notes in Computer Science*, 729:81–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gotz:1993:MDS

[1784] N. Gotz, U. Herzog, and M. Rettelbach. Multiprocessor and distributed system design: The integration of functional specification and performance analysis using stochastic process algebras. *Lecture Notes in Computer Science*, 729:121–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harrison:1993:RTD

[1785] P. G. Harrison. Response time distributions in queueing network models. *Lecture Notes in Computer Science*, 729:147–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heidelberger:1993:FSR

[1786] P. Heidelberger. Fast simulation of rare events in queueing and reliability models. *Lecture Notes in Computer Science*, 729:165–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hellerstein:1993:IMD

[1787] J. L. Hellerstein. An introduction to modeling dynamic behavior with time series analysis. *Lecture Notes in Computer Science*, 729:203–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaeli:1993:ITD

[1788] D. R. Kaeli. Issues in trace-driven simulation. *Lecture Notes in Computer Science*, 729:224–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kouvatsos:1993:MEA

[1789] D. Kouvatsos. Maximum entropy analysis of queueing network models. *Lecture Notes in Computer Science*, 729: 245–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lindemann:1993:PMU

[1790] C. Lindemann. Performance modeling using DSPNexpress. *Lecture Notes in Computer Science*, 729:291–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lubachevsky:1993:RMP

[1791] B. D. Lubachevsky. Relaxation for massively parallel discrete event simulation. *Lecture Notes in Computer Science*, 729:307–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lucantoni:1993:BGQ

[1792] D. M. Lucantoni. The BMAP/G/1 QUEUE: A tutorial. *Lecture Notes in Computer Science*, 729:330–??, 1993.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Melamed:1993:OTP

[1793] B. Melamed. An overview of tes processes and modeling methodology. *Lecture Notes in Computer Science*, 729: 359–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Woodside:1993:PEC

[1794] C. Murray Woodside. Performance engineering of client-server systems. *Lecture Notes in Computer Science*, 729: 394–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Onvural:1993:QNF

[1795] R. O. Onvural. Queueing networks with finite capacities. *Lecture Notes in Computer Science*, 729:411–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Panzieri:1993:RTS

[1796] F. Panzieri and R. Davoli. Real time systems: A tutorial. *Lecture Notes in Computer Science*, 729:435–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reed:1993:PIT

[1797] D. A. Reed. Performance instrumentation techniques for parallel systems. *Lecture Notes in Computer Science*, 729:463–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schweitzer:1993:SBA

[1798] P. J. Schweitzer, G. Serazzi, and M. Broglia. A survey of bottleneck analysis in closed networks of queues. *Lecture Notes in Computer Science*, 729:491–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smith:1993:SPE

[1799] C. U. Smith. Software performance engineering. *Lecture Notes in Computer Science*, 729:509–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Thurner:1993:PMU

[1800] E. M. Thurner. Performance measurement using system monitors. *Lecture Notes in Computer Science*, 729:537–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Towsley:1993:PQS

[1801] D. Towsley. Providing quality of service packet switched networks. *Lecture Notes in Computer Science*, 729:560–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Trivedi:1993:DPA

[1802] K. S. Trivedi, G. Ciardo, M. Malhotra, and R. A. Sahner. Dependability and performability analysis. *Lecture Notes in Computer Science*, 729: 587–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rangan:1993:AAD

[1803] P. Venkat Rangan. Architectures and algorithms for digital multimedia on-demand servers. *Lecture Notes in Computer Science*, 729:613–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yechiali:1993:ACP

[1804] U. Yechiali. Analysis and control of polling systems. *Lecture Notes in Computer Science*, 729:630–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yu:1993:MAT

[1805] P. S. Yu. Modeling and analysis of transaction processing systems. *Lecture Notes in Computer Science*, 729: 651–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maier:1993:SSA

[1806] David Maier, Jonathan Walpole, and Richard Staehli. Storage system architectures for continuous media data. *Lecture Notes in Computer Science*, 730:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huang-Jen:1993:PSO

[1807] Chen Huang-Jen and T. D. C. Little. Physical storage organizations for time-dependent multimedia data. *Lecture Notes in Computer Science*, 730:19–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ohtsu:1993:UIM

[1808] Takashi Ohtsu and Michael A. Harrison. User interface management system embedded in a multimedia document editor framework. *Lecture Notes in Computer Science*, 730:35–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ghandeharizadeh:1993:MPR

[1809] Shahram Ghandeharizadeh and Cyrus Shahabi. Management of physical replicas in parallel multimedia information systems. *Lecture Notes in Computer Science*, 730:51–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agrawal:1993:ESS

[1810] Rakesh Agrawal, Christos Faloutsos, and Arun Swami. Efficient similarity search in sequence databases. *Lecture Notes in Computer Science*, 730:69–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ahn:1993:FH

[1811] Ilsoo Ahn. Filtered hashing. *Lecture Notes in Computer Science*, 730:85–100, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Devine:1993:DID

[1812] Robert Devine. Design and implementation of DDH: A distributed dynamic hashing algorithm. *Lecture Notes in Computer Science*, 730:101–114, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sung:1993:PAS

[1813] Sam Y. Sung. Performance analysis of superimposing-coded signature files. *Lecture Notes in Computer Science*, 730:115–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Merrett:1993:TMR

[1814] T. H. Merrett and Heping Shang. Trie methods for representing text. *Lecture Notes in Computer Science*, 730:130–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kitagawa:1993:EFD

[1815] Hiroyuki Kitagawa, Yoshiaki Fukushima, Yoshiharu Ishikawa, and Nobuo Ohbo. Estimation of false drops in set-valued object retrieval with signature files. *Lecture Notes in Computer Science*, 730:146–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kambayashi:1993:DSA

[1816] Yahiko Kambayashi, Hiroki Takakura, and Shintaro Meki. Data structure and algorithms for new hardware technology. *Lecture Notes in Computer Science*, 730:164–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biskup:1993:EUB

[1817] Joachim Biskup and Holger Stiefeling. Evaluation of upper bounds and least nodes as database operations. *Lecture Notes in Computer Science*, 730:197–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Keller:1993:CBP

[1818] Arthur M. Keller and Catherine Hamon. A C++ binding for penguin: a system for data sharing among heterogeneous object models. *Lecture Notes in Computer Science*, 730:215–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grosky:1993:DSE

[1819] William I. Grosky, Sun Junping, and Farshad Fotouhi. Dynamic selectivity estimation for multidimensional queries. *Lecture Notes in Computer Science*, 730:231–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agrawal:1993:RPT

[1820] Rakesh Agrawal and Jerry Kiernan. Reducing page thrashing in recursive query processing. *Lecture Notes in Computer Science*, 730:247–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Litwin:1993:HJR

[1821] Witold Litwin, Tomasz Imielinski, David Lomet, and Marie-Ann Neimat. Highways and jukeboxes: A revolution for data structures? *Lecture Notes in Computer Science*, 730:264–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1993:SRS

[1822] Yongdon Wang, Jane Chiao, and Vasu Nori. The Sybase Replication Server Project. *Lecture Notes in Computer Science*, 730:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shimada:1993:AIC

[1823] Shigeru Shimada, Toshihisa Aoshima, and Tetsuzo Uehara. Analogical inferred compensation method for heterogeneous database schema mismatch and its application to hypermedia cooperative work system. *Lecture Notes in Computer Science*, 730:271–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mohan:1993:SDR

[1824] C. Mohan. A survey of DBMS research issues in supporting very large tables. *Lecture Notes in Computer Science*, 730:279–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gerlhof:1993:PBC

[1825] Carsten Gerlhof, Alfons Kemper, Christoph Kilger, and Guido Moerkotte. Partition-based clustering in object bases: From theory to practice. *Lecture Notes in Computer Science*, 730:301–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dathan:1993:AIR

[1826] Brahma Dathan. An algorithm for the implementation of replicated tables. *Lecture Notes in Computer Science*, 730:317–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Orji:1993:ITM

[1827] Cyril U. Orji, Mark A. Weiss, and Jon A. Solworth. Improved traditional mirror. *Lecture Notes in Computer Science*, 730:329–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Scheuermann:1993:ALB

[1828] Peter Scheuermann, Gerhard Weikum, and Peter Zabback. Adaptive load balancing in disk arrays. *Lecture Notes in Computer Science*, 730:345–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grossman:1993:SDC

[1829] Robert Grossman, Yannis Ioannidis, Edward May, Sakti Pramanik, and Ruth Pordes. Scientific databases: Challenges to the database community. *Lecture Notes in Computer Science*, 730:361–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takada:1993:OOO

[1830] Hideyuki Takada and Yahiko Kambayashi. An object-oriented office space description model and an office view management mechanism for distributed office environment. *Lecture Notes in Computer Science*, 730:362–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cellary:1993:SLM

[1831] Wojciech Cellary and Waldemar Wieczerzycki. Stamp locking method for multiversion composite objects. *Lecture Notes in Computer Science*, 730:378–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Minohara:1993:QSH

[1832] Tatsuo Minohara, Ryuichi Watanabe, and Mario Tokoro. Queries on structures in hypertext. *Lecture Notes in Computer Science*, 730:394–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bever:1993:DSO

[1833] M. Bever, K. Geihs, L. Heuser, M. Muhlhauser, and A. Schill. Distributed systems, OSF DCE, and beyond. *Lecture Notes in Computer Science*, 731:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beitz:1993:CTD

[1834] A. Beitz, P. King, and K. Raymond. Comparing two distributed environments: DCE and ANSAware. *Lecture Notes in Computer Science*, 731:21–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rabenseifner:1993:CDR

[1835] R. Rabenseifner and A. Schuch. Comparison of DCE RPC, DFN-RPC, ONC and PVM. *Lecture Notes in Computer Science*, 731:39–46, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dasarathy:1993:SDP

[1836] B. Dasarathy, K. Khalil, and D. E. Ruddock. Some DCE performance analysis results. *Lecture Notes in Computer Science*, 731:47–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Martinka:1993:PSD

[1837] J. Martinka, R. Friedrich, P. Friedenbach, and T. Sienknecht. A performance study of the DCE 1.0.1 cell directory service: Implications for application and tool programmers. *Lecture Notes in Computer Science*, 731:63–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Laifer:1993:FTU

[1838] R. Laifer and A. Knocke. fidl — A tool for using DCE from Fortran. *Lecture Notes in Computer Science*, 731:78–88, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

McDonald:1993:CLF

[1839] T. M. McDonald. Converting legacy Fortran applications to distributed applications. *Lecture Notes in Computer Science*, 731:89–103, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hirsch:1993:UST

[1840] B. S. Hirsch. Using standard tools to build an open, client/server prototype. *Lecture Notes in Computer Science*, 731:104–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Narkiewicz:1993:POD

[1841] J. D. Narkiewicz, M. Girkar, M. Srivastava, A. S. Gaylord, and M. Rahman. Pilgrim's OSF DCE-based services architecture. *Lecture Notes in Computer Science*, 731:120–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wei:1993:CMP

[1842] Y.-H. Wei, S. S. B. Shi, and D. D. H. Lin. Converting monolithic programs for DCE client/server computing given incomplete cutset information. *Lecture Notes in Computer Science*, 731:135–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tikku:1993:MTO

[1843] S. Tikku, S. Vinter, and S. Bertrand. Managing the transition to OSF DCE security. *Lecture Notes in Computer Science*, 731:147–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Obrenic:1993:DCU

[1844] B. Obrenic, K. S. Dibella, and A. S. Gaylord. DCE cells under megascope: Pilgrim insight into the resource status. *Lecture Notes in Computer Science*, 731:162–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Adcock:1993:SCM

[1845] P. Adcock, N. Davies, and G. S. Blair. Supporting continuous media in open distributed systems architectures. *Lecture Notes in Computer Science*, 731:179–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wei:1993:IRM

[1846] Y.-H. Wei and C. Wu. Integrating RPC and message passing for distributed programming. *Lecture Notes in Computer Science*, 731:192–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mittasch:1993:OSS

[1847] C. Mittasch and S.-I. Diethmann. Optimized selection of servers for reduced response time in RPC. *Lecture Notes in Computer Science*, 731:207–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heite:1993:EDR

[1848] R. Heite and H. Eberle. Extending DCE RPC by dynamic objects and dynamic typing. *Lecture Notes in Computer Science*, 731:214–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Teng:1993:SOI

[1849] Q. Teng, Y. Xie, and B. Martin. A simple ORB implementation on top of DCE for distributed object-oriented programming. *Lecture Notes in Computer Science*, 731:229–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mock:1993:DDC

[1850] M. U. Mock. DCE++: Distributing C++-objects using OSF DCE. *Lecture Notes in Computer Science*, 731:242–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dilley:1993:OOD

[1851] J. Dilley. Object-oriented distributed computing with C++ and OSF DCE. *Lecture Notes in Computer Science*, 731:256–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gellersen:1993:GDS

[1852] H.-W. Gellersen. Graphical design support for DCE applications. *Lecture Notes in Computer Science*, 731:267–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Svobodova:1993:THN

[1853] L. Svobodova. Taming heterogeneity in networked environments. *Lecture Notes in Computer Science*, 731:282–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schwider:1993:OI

[1854] J. Schwider, N. Streibl, and K. Zurl. Optoelectronic interconnections. *Lecture Notes in Computer Science*, 732: 1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hofmann:1993:MME

[1855] F. Hofmann, M. Dal Cin, A. Grygier, H. Hessenauer, U. Hildebrand, C.-U. Linster, T. Thiel, and S. Turowski. MEMSY — A modular expandable multiprocessor system. *Lecture Notes in Computer Science*, 732:15–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DalCin:1993:FTD

[1856] M. Dal Cin, A. Grygier, H. Hessenauer, U. Hildebrand, J. Honig, W. Hohl, E. Michel, and A. Pataricza. Fault tolerance in distributed shared memory multiprocessors. *Lecture Notes in Computer Science*, 732:31–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jessen:1993:OMC

[1857] E. Jessen, W. Ertel, and Ch. Suttner. Optimal multiprogramming control for parallel computations. *Lecture Notes in Computer Science*, 732:49–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hofmann:1993:DHM

[1858] R. Hofmann. The distributed hardware monitor ZM4 and its interface to MEMSY. *Lecture Notes in Computer Science*, 732:66–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hartleb:1993:GMP

[1859] F. Hartleb. Graph models for performance evaluation of parallel programs. *Lecture Notes in Computer Science*, 732:80–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ludwig:1993:LMM

[1860] Th. Ludwig. Load management on multiprocessor systems. *Lecture Notes in Computer Science*, 732:87–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hellwagner:1993:RSM

[1861] H. Hellwagner. Randomized shared memory — concept and efficiency of a scalable shared memory scheme. *Lecture Notes in Computer Science*, 732: 102–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bockle:1993:MEF

[1862] G. Bockle, Ch. Stormann, and I. Wildgruber. Methods for exploitation of fine-grained parallelism. *Lecture Notes in Computer Science*, 732:118–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gomm:1993:CBP

[1863] D. Gomm and E. Kindler. Causality based proof of a distributed shared memory system. *Lecture Notes in Computer Science*, 732:133–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kleinoder:1993:OMM

[1864] J. Kleinoder. Object- and memory-management architecture — A concept for open, object-oriented operating systems. *Lecture Notes in Computer Science*, 732:150–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Faustle:1993:ODL

[1865] M. Faustle. An orthogonal distribution language for uniform object-oriented languages. *Lecture Notes in Computer Science*, 732:166–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hauck:1993:TIU

[1866] F. Hauck. Towards the implementation of a uniform object model. *Lecture Notes in Computer Science*, 732: 180–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dederichs:1993:FFD

[1867] F. Dederichs, C. Dendorfer, and R. Weber. Focus: A formal design method for distributed systems. *Lecture Notes in Computer Science*, 732:190–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fischer:1993:PSN

[1868] V. Fischer and H. Niemann. Parallelism in a semantic network for image understanding. *Lecture Notes in Computer Science*, 732:203–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Spruth:1993:APS

[1869] H. Spruth and F. Johannes. Architectures for parallel slicing enumeration in VLSI layout. *Lecture Notes in Computer Science*, 732:219–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krauss:1993:AFP

[1870] P. Krauss and K. Antreich. Application of fault parallelism to the automatic test pattern generation for sequential circuits. *Lecture Notes in Computer Science*, 732:234–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pawlowski:1993:PSL

[1871] M. Pawlowski and R. Bayer. Parallel sorting of large data volumes on distributed memory multiprocessors. *Lecture Notes in Computer Science*, 732: 246–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fruchtl:1993:QMP

[1872] H. Fruchtl and P. Otto. Quantum mechanical programs for distributed systems: Strategies and results. *Lecture Notes in Computer Science*, 732:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Griebel:1993:PSP

[1873] M. Griebel, W. Huber, T. Stortkuhl, and C. Zenger. On the parallel solution of 3D PDEs on a network of workstations and on vector computers. *Lecture Notes in Computer Science*, 732:276–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Peric:1993:NSC

[1874] M. Peric, M. Schafer, and E. Schreck. Numerical simulation of complex fluid flows on MIMD computers. *Lecture Notes in Computer Science*, 732:292–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eichelberg:1993:IIG

[1875] Dominik Eichelberg and Philipp Ackermann. Integrating interactive 3D-graphics into an object-oriented application framework. *Lecture Notes in Computer Science*, 733:3–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haishan:1993:EKB

[1876] Huang Haishan and Ernest Edmonds. An experimental knowledge-based user interface management system. *Lecture Notes in Computer Science*, 733:13–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Penz:1993:OFO

[1877] Franz Penz and Luis Carrico. Objects feeling objects in a MultiView object space. *Lecture Notes in Computer Science*, 733:25–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vaananen:1993:SMB

[1878] Kaisa Vaananen. ShareME: A metaphor-based authoring tool for multimedia environments. *Lecture Notes in Computer Science*, 733:39–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maurer:1993:SBH

[1879] H. Maurer, F. Kappe, N. Scherbakov, and P. Srinivasan. Structured browsing of hypermedia databases. *Lecture Notes in Computer Science*, 733:51–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gotze:1993:OOD

[1880] Rainer Gotze, Helmut Eirund, and Roland Claaben. Object-oriented dialog control for multimedia user interfaces. *Lecture Notes in Computer Science*, 733:63–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Strauss:1993:CHF

[1881] Friedrich Strauss. Contextsensitive help-facilities in GUIs through situations. *Lecture Notes in Computer Science*, 733:79–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yetim:1993:UAH

[1882] Fahri Yetim. User-adapted hypertext explanations. *Lecture Notes in Computer Science*, 733:91–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fach:1993:CDA

[1883] Peter W. Fach, Maria Bannert, and Klaus Kunkel. From conflict to dialogue: On attack and defence in on-line assistance. *Lecture Notes in Computer Science*, 733:103–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Derder:1993:TDM

[1884] A. Derder and C. Garbay. Toward deep modelling and control of human activity at the microscope. *Lecture Notes in Computer Science*, 733:117–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rauterberg:1993:LPA

[1885] Matthias Rauterberg and Christian Cachin. Locating the primary attention focus of the user. *Lecture Notes in Computer Science*, 733:129–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Girgensohn:1993:MIE

[1886] Andreas Girgensohn. Modifier: Improving an end-user modifiable system through user studies. *Lecture Notes in Computer Science*, 733:141–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Attiogbe:1993:HIS

[1887] Christian Attiogbe and Jean-Louis Durieux. Handling interaction in software specification. *Lecture Notes in Computer Science*, 733:155–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lauesen:1993:DDT

[1888] Soren Lauesen and Morten Borup Harning. Dialogue design through modified dataflow and data modelling. *Lecture Notes in Computer Science*, 733:172–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kolli:1993:DFR

[1889] Raghu Kolli and Jim Hennessey. Deriving the functional requirements for a concept sketching device. *Lecture Notes in Computer Science*, 733:184–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Adelson:1993:TBN

[1890] Beth Adelson. Theory-based negotiation frameworks for supporting group work. *Lecture Notes in Computer Science*, 733:199–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berlage:1993:UMU

[1891] Thomas Berlage and Andreas Genau. From undo to multi-user applications. *Lecture Notes in Computer Science*, 733:213–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Edlich:1993:SCS

[1892] Stefan Edlich. Software cooperation with the share-kit: Influences of semantic levels on the working efficiency. *Lecture Notes in Computer Science*, 733:225–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mizunashi:1993:MRC

[1893] Jun Mizunashi, Kumiko Nakagawa, Kazuhito Kojima, and Yutaka Matsushita. Map and room: A concept of spatial user interface for accessing network services. *Lecture Notes in Computer Science*, 733:235–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Quinn:1993:TAE

[1894] Clark N. Quinn and Richard Preston. TestIt: An automated evaluation tool for human-computer interaction projects. *Lecture Notes in Computer Science*, 733:249–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Prumper:1993:SEB

[1895] Jochen Prumper. Software-evaluation based upon ISO 9241 Part 10. *Lecture Notes in Computer Science*, 733: 255–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cordelle:1993:DQL

[1896] D. Cordelle and D. Bronisz. Diagnosing quality of life in working environments. *Lecture Notes in Computer Science*, 733:266–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lauesen:1993:DIB

[1897] Soren Lauesen, Morten Borup Harning, and Hans Frederik Boving. Dialogue independence based on a structured UIMS interface. *Lecture Notes in Computer Science*, 733:279–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reiterer:1993:HFB

[1898] Harald Reiterer. A human factors based user interface design. *Lecture Notes in Computer Science*, 733:291–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Koivunnen:1993:AIU

[1899] Marja-Riitta Koivunnen, Ora Lassila, Juha Ahvo, Minna Rankinen, Sirpa Riihiaho, and Bodil Riihinen. ActorStudio: An interactice user interface editor. *Lecture Notes in Computer Science*, 733:303–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Franzke:1993:NTW

[1900] Marita Franzke and John Rieman. Natural training wheels: Learning and transfer between two versions of a computer application. *Lecture Notes in Computer Science*, 733:317–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Musil:1993:BBH

[1901] Sabine Musil. Beyond bars and hour glasses: Designing performance and progress indicators. *Lecture Notes in Computer Science*, 733:329–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pohl:1993:PUA

[1902] Margit Pohl and Peter Purgathofer. The problems of untrained authors creating hypertext documents. *Lecture Notes in Computer Science*, 733:338–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sonnentag:1993:WSA

[1903] Sabine Sonnentag. What is so special about exceptional software professionals? *Lecture Notes in Computer Science*, 733:353–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Paetau:1993:SAR

[1904] Michael Paetau. System-adaption and reality's own dynamism. *Lecture Notes in Computer Science*, 733:364–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heinecke:1993:SER

[1905] Andreas M. Heinecke. Software ergonomics for real-time systems. *Lecture Notes in Computer Science*, 733:379–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Canfield:1993:IDC

[1906] Kip Canfield and Kerry Petrucci. Interface design for clinical information systems: An ecological interface design approach. *Lecture Notes in Computer Science*, 733:391–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Love:1993:EID

[1907] Stephen Love, John C. Foster, and Mervin A. Jack. On the effects of individual differences with reference to spoken language dialogue systems. *Lecture Notes in Computer Science*, 733:405–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Al-Khonaizi:1993:UNA

[1908] M. Al-Khonaizi, M. Al-A'ali, and A. Al-Zobaidie. Understanding natural Arabic text. *Lecture Notes in Computer Science*, 733:407–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schleich:1993:SBE

[1909] R. Schleich. Structured browsers enhancing the interface concept of graphical editors. *Lecture Notes in Computer Science*, 733:409–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grunfelder:1993:RHT

[1910] Ruth Grunfelder. "RelieF" — Herstellung von tastbaren Bildvorlagen fur blinde oder sehbehinderte Personen. *Lecture Notes in Computer Science*, 733:411–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buhler:1993:AUI

[1911] Christian Buhler, Helmut Heck, and Rainer Wallbruch. Adaptable user interfaces for people with special needs. *Lecture Notes in Computer Science*, 733:413–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Seiler:1993:VAB

[1912] Franz P. Seiler, J. Haider, P. Mayer, A. Zagler, and W. Zagler. VIP — arbeitsplatz fur blinde und sehbehinderte studenten. *Lecture Notes in Computer Science*, 733:415–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

North:1993:IEV

[1913] Max M. North and Sarah M. North. An information exploration and visualization approach for direct manipulation of databases. *Lecture Notes in Computer Science*, 733:417–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pemberton:1993:OBD

[1914] Lyn Pemberton. Offices, balconies, doors and corridors: An experimental interface metaphor for integrating collaborative design styles. *Lecture Notes in Computer Science*, 733:419–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Monger:1993:IDI

[1915] David Monger and Graham Leedham. An interactive document image description for OCR of handwritten forms. *Lecture Notes in Computer Science*, 733:423–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bumiller:1993:EMA

[1916] Johannes Bumiller and Stefanie Rather. Electronic meeting assistance. *Lecture Notes in Computer Science*, 733:425–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Soroko:1993:HCM

[1917] Edward M. Soroko and Sergey V. Kirpich. Harmonization criterion for the man-machine interaction. *Lecture Notes in Computer Science*, 733:427–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Thomas:1993:DVR

[1918] Peter Thomas and Keith Goss. 3-dimensional visual representations for graphical user interfaces: The art of user involvement. *Lecture Notes in Computer Science*, 733:429–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bodart:1993:GCI

[1919] François Bodart, Monique Noirhomme-Fraiture, and Jean Vanderdonckt. Guidelines for choosing interaction objects. *Lecture Notes in Computer Science*, 733:431–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hofkirchner:1993:CMD

[1920] Wolfgang Hofkirchner, Peter Purgathofer, Ralf Pichler, Anton Bruno Trapp, Karl Berger, and Walter Nierer. Eine computergestutzte multimediale Dokumentation uber den Golfkrieg. *Lecture Notes in Computer Science*, 733:433–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grimstad:1993:GWC

[1921] Terje Grimstad and Riitta Hellman. The global window as a communication mediator in public administration. *Lecture Notes in Computer Science*, 733:435–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nishimoto:1993:SSH

[1922] Kazushi Nishimoto, Kenji Mochizuki, Tsutomu Miyasato, and Fumio Kishino. A supporting system for human creativity: Computer aided divergent thinking process by provision of associative pieces of information. *Lecture Notes in Computer Science*, 733:437–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pauwels:1993:ICE

[1923] H. W. J. Borst Pauwels, J. Sousa Pinlo, B. Sousa Santos, and J. A. Martins. An integrated courseware editor based on OLE technology. *Lecture Notes in Computer Science*, 733:439–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Petrovic:1993:EFU

[1924] Otto Petrovic. Empirical findings on using information technology in the creativity stage of problem solving. *Lecture Notes in Computer Science*, 733:441–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Riedling:1993:CLA

[1925] Eveline Riedling. Computers in local administrative offices (Province of Salzburg) — aspects of stress, strain and training. *Lecture Notes in Computer Science*, 733:443–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Purgathofer:1993:CGS

[1926] Peter Purgathofer and Peter Ruppel. Configurable guides for a seasonal database. *Lecture Notes in Computer Science*, 733:445–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gill:1993:ODP

[1927] Simon H. Gill and David K. Wright. Offering different perspectives in a learning environment. *Lecture Notes in Computer Science*, 733:447–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Robic:1993:HPC

[1928] B. Robic and J. Silc. High-performance computing on a honeycomb architecture. *Lecture Notes in Computer Science*, 734:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schepers:1993:RLI

[1929] J. Schepers. Refined local instruction scheduling considering pipeline interlocks. *Lecture Notes in Computer Science*, 734:14–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoover:1993:MMD

[1930] W. G. Hoover, C. G. Hoover, A. J. de Groot, and T. G. Pierce. Microscopic and macroscopic dynamics. *Lecture Notes in Computer Science*, 734:26–??,

1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Neto:1993:FRR

[1931] A. G. Neto. Further results of the relaxed timing model for distributed simulation. *Lecture Notes in Computer Science*, 734:45–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Elgindy:1993:PCP

[1932] H. Elgindy. Pipelining computations on processor arrays with reconfigurable bus systems. *Lecture Notes in Computer Science*, 734:56–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lucka:1993:EAC

[1933] M. Lucka. An effective algorithm for computation of two-dimensional Fourier transform for $N \times M$ matrices. *Lecture Notes in Computer Science*, 734:64–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Limongelli:1993:RNA

[1934] C. Limongelli and H. W. Loidl. Rational number arithmetic by parallel P-adic algorithms. *Lecture Notes in Computer Science*, 734:72–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stifter:1993:SNS

[1935] S. Stifter. Shortest non-synchronized motions — parallel versions for shared memory CREW models. *Lecture Notes in Computer Science*, 734:87–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Spalt:1993:PAI

[1936] A. Spalt. A pipeline algorithm for interactive volume visualization. *Lecture Notes in Computer Science*, 734:105–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mehrotra:1993:DPP

[1937] P. Mehrotra. Data parallel programming: The promises and limitations of High Performance Fortran. *Lecture Notes in Computer Science*, 734:114, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Snyder:1993:FPP

[1938] L. Snyder. Foundations of practical parallel programming languages. *Lecture Notes in Computer Science*, 734:115–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hasselbring:1993:PPA

[1939] W. Hasselbring. Prototyping parallel algorithms with ProSet-Linda. *Lecture Notes in Computer Science*, 734:135–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kalogeropulos:1993:IAP

[1940] S. Kalogeropulos. Identifying the available parallelism using static analysis. *Lecture Notes in Computer Science*, 734:151–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kebler:1993:APP

[1941] C. W. Kebler and W. J. Paul. Automatic parallelization by pattern-matching. *Lecture Notes in Computer Science*, 734:166–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lampe:1993:P

[1942] J. Lampe. Parallelization. *Lecture Notes in Computer Science*, 734:182–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Geist:1993:PBN

[1943] G. A. Geist. PVM 3 beyond network computing. *Lecture Notes in Computer Science*, 734:194–203, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schreiner:1993:DPK

[1944] W. Schreiner and H. Hong. The design of the PACLIB kernel for parallel algebraic computation. *Lecture Notes in Computer Science*, 734:204–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fritzson:1993:GPC

[1945] P. Fritzson and N. Andersson. Generating parallel code from equations in the ObjectMath programming environments. *Lecture Notes in Computer Science*, 734:219–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ries:1993:PPM

[1946] B. Ries, R. Anderson, W. Auld, D. Breazeal, K. Callaghan, E. Richards, and W. Smith. The paragon performance monitoring environment. *Lecture Notes in Computer Science*, 734: 233–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ershov:1993:TDN

[1947] Yu L. Ershov. Theory of domains and nearby. *Lecture Notes in Computer Science*, 735:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grundy:1993:PPS

[1948] J. Grundy. Predicative programming — A survey. *Lecture Notes in Computer Science*, 735:8–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grundy:1993:TVL

[1949] J. Grundy. A three-valued logic for refinement. *Lecture Notes in Computer Science*, 735:26–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sands:1993:CSC

[1950] D. Sands. A compositional semantics of combining forms for gamma programs. *Lecture Notes in Computer Science*, 735:43–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Futschek:1993:APL

[1951] G. Futschek. Algebraic properties of loop invariants. *Lecture Notes in Computer Science*, 735:57–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reif:1993:APF

[1952] W. Reif. An approach to parameterized first-order specifications: Semantics, correctness, parameter passing. *Lecture Notes in Computer Science*, 735:67–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zamulin:1993:AMI

[1953] A. V. Zamulin. Algebraic modelling of imperative languages with pointers. *Lecture Notes in Computer Science*, 735:81–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cousot:1993:GCB

[1954] P. Cousot and R. Cousot. Galois connection based abstract interpretations for strictness analysis. *Lecture Notes in Computer Science*, 735:98–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bourdoncle:1993:ECI

[1955] F. Bourdoncle. Efficient chaotic iteration strategies with widenings. *Lecture Notes in Computer Science*, 735: 128–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Masdupuy:1993:SAI

[1956] F. Masdupuy. Semantic analysis of interval congruences. *Lecture Notes in Computer Science*, 735:142–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Monsuez:1993:PTC

[1957] B. Monsuez. Polymorphic typing for call-by-name semantics. *Lecture Notes in Computer Science*, 735:156–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lu:1993:LPT

[1958] L. Lu and P. Greenfield. Logic program testing based on abstract interpretation. *Lecture Notes in Computer Science*, 735:170–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sabelfeld:1993:ASS

[1959] V. Sabelfeld. Analysis of some semantic properties for programs of the applicative language AL. *Lecture Notes in Computer Science*, 735:181–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jorrand:1993:CUP

[1960] Ph. Jorrand. Communication as unification in process algebras: Operational semantics. *Lecture Notes in Computer Science*, 735:190–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pepper:1993:FDM

[1961] P. Pepper, J. Exner, and M. Sudholt. Functional development of massively parallel programs. *Lecture Notes in Computer Science*, 735:217–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Virbitskaite:1993:OSP

[1962] I. B. Virbitskaite. Observing some properties of event structures. *Lecture Notes in Computer Science*, 735:239–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Taitslin:1993:OLL

[1963] M. Taitslin and D. Arkhangelsky. The other linear logic. *Lecture Notes in Computer Science*, 735:251–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhou:1993:DCO

[1964] Ch Zhou. Duration calculi: An overview. *Lecture Notes in Computer Science*, 735:256–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bahsoun:1993:UFS

[1965] J. P. Bahsoun, C. Servieres, and C. Seguin. A unique formalism for specifying and designing objects in a parallel environment. *Lecture Notes in Computer Science*, 735:267–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haeberer:1993:SCR

[1966] A. M. Haeberer, G. A. Baum, and G. Schmidt. On the smooth calculation of relational recursive expression out of first-order non-constructive specifications involving quantifiers. *Lecture Notes in Computer Science*, 735:281–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pliuskevicius:1993:SRI

[1967] R. Pliuskevicius. Saturation replaces induction for a miniscoped linear temporal logic. *Lecture Notes in Computer Science*, 735:299–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nickl:1993:FAR

[1968] F. Nickl and M. Wirsing. A formal approach to requirements engineering. *Lecture Notes in Computer Science*, 735:312–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gannod:1993:TPA

[1969] G. C. Gannod and B. H. C. Cheng. A two-phase approach to reverse engineering using formal methods. *Lecture Notes in Computer Science*, 735: 335–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Levin:1993:APS

[1970] V. Levin. Algebraically provable specification of optimized compilations. *Lecture Notes in Computer Science*, 735: 349–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lutfiyya:1993:FDE

[1971] H. Lutfiyya, B. McMillin, and A. Su. Formal derivation of an error-detecting distributed data scheduler using changeling. *Lecture Notes in Computer Science*, 735:363–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nepomniaschy:1993:RCS

[1972] V. Nepomniaschy and N. Shilov. REAL92: A combined specification language for real-time concurrent systems and properties. *Lecture Notes in Computer Science*, 735:377–??, 1993.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moller:1993:ACG

[1973] B. Moller. Algebraic calculation of graph and sorting algorithms. *Lecture Notes in Computer Science*, 735:394–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beltiukov:1993:ASP

[1974] A. P. Beltiukov. Automatical synthesis of programs with recursions. *Lecture Notes in Computer Science*, 735: 414–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boiten:1993:PI

[1975] E. A. Boiten. Parsing in ISBES. *Lecture Notes in Computer Science*, 735: 423–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grossman:1993:I

[1976] R. L. Grossman, A. Nerode, A. P. Ravn, and H. Rischel. Introduction. *Lecture Notes in Computer Science*, 736:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Manna:1993:VHS

[1977] Z. Manna and A. Pnueli. Verifying hybrid systems. *Lecture Notes in Computer Science*, 736:4–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chaochen:1993:EDC

[1978] Z. Chaochen, A. P. Ravn, and M. R. Hansen. An extended duration calculus for hybrid real-time systems. *Lecture Notes in Computer Science*, 736:36–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Henzinger:1993:TRT

[1979] T. A. Henzinger, Z. Manna, and A. Pnueli. Towards refining temporal specifications into hybrid systems. *Lecture Notes in Computer Science*, 736:60–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lamport:1993:HS

[1980] L. Lamport. Hybrid systems in TLA$^+$. *Lecture Notes in Computer Science*, 736:77–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kurki-Suonio:1993:HMF

[1981] R. Kurki-Suonio. Hybrid models with fairness and distributed clocks. *Lecture Notes in Computer Science*, 736: 103–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hooman:1993:CAD

[1982] J. Hooman. A compositional approach to the design of hybrid systems. *Lecture Notes in Computer Science*, 736:121–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nicollin:1993:ADA

[1983] X. Nicollin, A. Olivero, J. Sifakis, and S. Yovine. An approach to the description and analysis of hybrid systems. *Lecture Notes in Computer Science*, 736:149–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kesten:1993:IGC

[1984] Y. Kesten, A. Pnueli, J. Sifakis, and S. Yovine. Integration graphs: A class of decidable hybrid systems. *Lecture Notes in Computer Science*, 736:179–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alur:1993:HAA

[1985] R. Alur, C. Courcoubetis, T. A. Henzinger, and P-H. Ho. Hybrid automata: An algorithmic approach to the specification and verification of hybrid systems. *Lecture Notes in Computer Science*, 736:209–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benveniste:1993:HSS

[1986] A. Benveniste, M. Le Borgne, and P. Le Guernic. Hybrid systems: The SIGNAL approach. *Lecture Notes in Computer Science*, 736:230–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Back:1993:DSF

[1987] A. Back, J. Guckenheimer, and M. Myers. A dynamical simulation facility for hybrid systems. *Lecture Notes in Computer Science*, 736:255–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lemmon:1993:EII

[1988] M. Lemmon, J. A. Stiver, and P. J. Antsaklis. Event identification and intelligent hybrid control. *Lecture Notes in Computer Science*, 736:268–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nerode:1993:MAH

[1989] A. Nerode and W. Kohn. Multiple agent hybrid control architecture. *Lecture Notes in Computer Science*, 736: 297–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nerode:1993:MHS

[1990] A. Nerode and W. Kohn. Models for hybrid systems: Automata, topologies, controllability, observability. *Lecture Notes in Computer Science*, 736:317–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grossman:1993:SRA

[1991] R. L. Grossman and R. G. Larson. Some remarks about flows in hybrid systems. *Lecture Notes in Computer Science*, 736:357–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antsaklis:1993:HSM

[1992] P. J. Antsaklis, J. A. Stiver, and M. Lemmon. Hybrid system modeling and autonomous control systems. *Lecture Notes in Computer Science*, 736:366–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blanke:1993:FAF

[1993] M. Blanke, S. B. Nielsen, and R. B. Jorgensen. Fault accommodation in feedback control systems. *Lecture Notes in Computer Science*, 736:393–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anderson:1993:FSI

[1994] T. Anderson, R. de Lemos, J. S. Fitzgerald, and A. Saeed. On formal support for industrial-scale requirements analysis. *Lecture Notes in Computer Science*, 736:426–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Engel:1993:FAC

[1995] M. Engel, M. Kubica, J. Madey, D. L. Parnas, A. P. Ravn, and A. J. Van Schouwen. A formal approach to computer systems requirements documentation. *Lecture Notes in Computer Science*, 736:452–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Calmet:1993:AIS

[1996] J. Calmet and J. A. Campbell. Artificial intelligence and symbolic mathematical computations. *Lecture Notes in Computer Science*, 737:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Struss:1993:QMP

[1997] P. Struss. Qualitative modeling of physical systems in AI research. *Lecture Notes in Computer Science*, 737:20–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sellen:1993:TSC

[1998] J. Sellen. On the topological structure of configuration spaces. *Lecture Notes in Computer Science*, 737:50–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ladkin:1993:SAI

[1999] P. Ladkin and A. Reinefeld. A symbolic approach to interval constraint problems. *Lecture Notes in Computer Science*, 737:65–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schwarzler:1993:AAK

[2000] G. Schwarzler. An algebraic approach to knowledge-based modeling. *Lecture Notes in Computer Science*, 737:85–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clarkson:1993:IUI

[2001] M. E. Clarkson. Intelligent user interfaces for symbolic and numeric computation. *Lecture Notes in Computer Science*, 737:96–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Butler:1993:PTI

[2002] G. Butler. The progress towards an intelligent assistant — A discussion paper. *Lecture Notes in Computer Science*, 737:107–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pfalzgraf:1993:MMR

[2003] J. Pfalzgraf. On mathematical modeling in robotics. *Lecture Notes in Computer Science*, 737:116–??, 1993.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Monfroy:1993:GBS

[2004] E. Monfroy. Gröbner bases: Strategies and applications. *Lecture Notes in Computer Science*, 737:133–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hong:1993:HSS

[2005] H. Hong. Heuristic search strategies for cylindrical algebraic decomposition. *Lecture Notes in Computer Science*, 737:152–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Calmet:1993:UDA

[2006] J. Calmet, K. Homann, and I. A. Tjandra. Unified domains and abstract computational structures. *Lecture Notes in Computer Science*, 737:166–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ardeleanu:1993:CIT

[2007] E. Ardeleanu. Completion and invariant theory in symbolic computation and artificial intelligence. *Lecture Notes in Computer Science*, 737:178–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weber:1993:TCP

[2008] A. Weber. A type-coercion problem in computer algebra. *Lecture Notes in Computer Science*, 737:188–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Koepf:1993:ADP

[2009] W. Koepf. Algorithmic development of power series. *Lecture Notes in Computer Science*, 737:195–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kerschberg:1993:CAQ

[2010] L. Kerschberg and A. Waisanen. A cooperative approach to query processing: Integrating historical, structural, and behavioral knowledge sources. *Lecture Notes in Computer Science*, 737:214–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cioni:1993:DTS

[2011] G. Cioni, A. Colagrossi, and A. Miola. A desk-top sequent calculus machine. *Lecture Notes in Computer Science*, 737:224–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Plaza:1993:GSC

[2012] J. A. Plaza. Gentzen-style characterizations of negation as failure. *Lecture Notes in Computer Science*, 737:237–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hahnle:1993:NTD

[2013] R. Hahnle. A new translation from deduction into integer programming. *Lecture Notes in Computer Science*, 737:262–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Golumbic:1993:RAT

[2014] M. C. Golumbic. Reasoning about time. *Lecture Notes in Computer Science*, 737:276–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Roque:1993:LQP

[2015] W. L. Roque. Learning qualitative physics reasoning from regime analysis. *Lecture Notes in Computer Science*, 737:277–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garigliano:1993:QMM

[2016] R. Garigliano and D. J. Nettleton. Qualitative mathematical modeling of genetic algorithm. *Lecture Notes in Computer Science*, 737:294–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Davies:1993:TME

[2017] Donald W. Davies. The transition from mechanisms to electronic computers, 1940 to 1950. *Lecture Notes in Computer Science*, 739:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Knudsen:1993:CLb

[2018] Lars Ramkilde Knudsen. Cryptanalysis of LOKI. *Lecture Notes in Computer Science*, 739:22–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brown:1993:IRD

[2019] Lawrence Brown, Matthew Kwan, Josef Pieprzyk, and Jennifer Seberry. Improving resistance to differential cryptanalysis and the redesign of LOKI. *Lecture Notes in Computer Science*, 739:36–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Miyano:1993:MEN

[2020] Hiroshi Miyano. A method to estimate the number of ciphertext pairs for differential cryptanalysis. *Lecture Notes in Computer Science*, 739:51–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kim:1993:CLB

[2021] Kwangjo Kim. Construction of DES-Like S-boxes based on Boolean functions satisfying the SAC. *Lecture Notes in Computer Science*, 739:59–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1993:DBS

[2022] Jun-Hui Yang, Zong-Duo Dai, and Ken-Cheng Zeng. The data base of selected permutations. *Lecture Notes in Computer Science*, 739:73–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Daemen:1993:FDO

[2023] Joan Daemen, Rene Govaerts, and Joos Vandewalle. A framework for the design of one-way hash functions including cryptanalysis of Damgard's one-way function based on a cellular automaton. *Lecture Notes in Computer Science*, 739:82–96, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sadeghiyan:1993:HCF

[2024] Babak Sadeghiyan, Zheng Yuliang, and Josef Pieprzyk. How to construct a family of strong one-way permutations. *Lecture Notes in Computer Science*, 739:97–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ogata:1993:CFF

[2025] Wakaha Ogata and Kaoru Kurosawa. On claw free families. *Lecture Notes in Computer Science*, 739:111–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yuliang:1993:SIF

[2026] Zheng Yuliang, Thomas Hardjono, and Josef Pieprzyk. Sibling intractable function families and their applications. *Lecture Notes in Computer Science*, 739:124–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ohta:1993:DMS

[2027] Kazuo Ohta and Tatsuaki Okamoto. A digital multisignature scheme based on the Fiat–Shamir scheme. *Lecture Notes in Computer Science*, 739:139–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lin:1993:GSS

[2028] Hung-Yu Lin and Lein Harn. A generalized secret sharing scheme with cheater detection. *Lecture Notes in Computer Science*, 739:149–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Laih:1993:GTC

[2029] Chi-Sung Laih and Lein Harn. Generalized threshold cryptosystems. *Lecture Notes in Computer Science*, 739:159–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Safavi-Naini:1993:FTA

[2030] Reihaneh Safavi-Naini. Feistel type authentication codes. *Lecture Notes in Computer Science*, 739:170–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rhee:1993:RAC

[2031] Man Y. Rhee. Research activities on cryptology in korea. *Lecture Notes in Computer Science*, 739:179–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sadeghiyan:1993:NSC

[2032] Babak Sadeghiyan and Josef Pieprzyk. On necessary and sufficient conditions for the construction of super pseudorandom permutations. *Lecture Notes in Computer Science*, 739:194–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Even:1993:CCS

[2033] Shimon Even and Yishay Mansour. A construction of a cipher from a single pseudorandom permutation. *Lecture Notes in Computer Science*, 739:210–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pieprzyk:1993:OPR

[2034] Josef Pieprzyk and Babak Sadeghiyan. Optimal perfect randomizers. *Lecture Notes in Computer Science*, 739:225–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kwan:1993:GPT

[2035] Matthew Kwan and Josef Pieprzyk. A general purpose technique for locating key scheduling weaknesses in DES-like cryptosystems. *Lecture Notes in Computer Science*, 739:237–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Morita:1993:RSC

[2036] Hikaru Morita, Kazuo Ohta, and Shoji Miyaguchi. Results of switching-closure-test on FEAL. *Lecture Notes in Computer Science*, 739:247–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mizusawa:1993:ICT

[2037] Jun ichi Mizusawa. IC-Cards and telecommunication services. *Lecture Notes in Computer Science*, 739:253–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shimbo:1993:CSC

[2038] Atsushi Shimbo and Shin ichi Kawamura. Cryptanalysis of several conference key distribution schemes. *Lecture Notes in Computer Science*, 739:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klapper:1993:RIP

[2039] Andrew Klapper and Mark Goresky. Revealing information with partial period correlations. *Lecture Notes in Computer Science*, 739:277–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meijers:1993:EMV

[2040] Joost Meijers and Johan van Tilburg. Extended majority voting and private-key algebraic-code encryptions. *Lecture Notes in Computer Science*, 739:288–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goldburg:1993:SAS

[2041] B. Goldburg, E. Dawson, and S. Sridharan. A secure analog speech scrambler using the discrete cosine transform. *Lecture Notes in Computer Science*, 739:299–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harn:1993:OTP

[2042] Lein Harn and Lin Hung-Yu. An oblivious transfer protocol and its application for the exchange of secrets. *Lecture Notes in Computer Science*, 739:312–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Saito:1993:MPZ

[2043] Takeshi Saito, Kaoru Kurosawa, and Kouichi Sakurai. 4 move perfect ZKIP of knowledge with no assumption. *Lecture Notes in Computer Science*, 739:321–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Itoh:1993:CCR

[2044] Toshiya Itoh and Kouichi Sakurai. On the complexity of constant round ZKIP of possession of knowledge. *Lecture Notes in Computer Science*, 739:331–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fortnow:1993:PTL

[2045] Lance Fortnow and Mario Szegedy. On the power of two-local random reductions. *Lecture Notes in Computer Science*, 739:346–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feigenbaum:1993:NOP

[2046] Joan Feigenbaum and Rafail Ostrovsky. A note on one-prover, instance-hiding zero-knowledge proof systems. *Lecture Notes in Computer Science*, 739:352–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Desmedt:1993:EZK

[2047] Yvo Desmedt and Mike Burmester. An efficient zero-knowledge scheme for the discrete logarithm based on smooth numbers. *Lecture Notes in Computer Science*, 739:360–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Okamoto:1993:EZK

[2048] Tatsuaki Okamoto. An extension of zero-knowledge proofs and its applications. *Lecture Notes in Computer Science*, 739:368–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Itoh:1993:LID

[2049] Toshiya Itoh, Kouichi Sakurai, and Hiroki Shizuya. Any language in IP has a divertible ZKIP. *Lecture Notes in Computer Science*, 739:382–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chaosheng:1993:MPP

[2050] Shu Chaosheng, Tsutomu Matsumoto, and Hideki Imai. A multi-purpose proof system. *Lecture Notes in Computer Science*, 739:397–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Toussaint:1993:FVP

[2051] Marie-Jeanne Toussaint. Formal verification of probabilistic properties in cryptographic protocols. *Lecture Notes in Computer Science*, 739:412–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rivest:1993:CML

[2052] Ronald L. Rivest. Cryptography and machine learning. *Lecture Notes in Computer Science*, 739:427–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brandt:1993:SPN

[2053] Jorgen Brandt, Ivan Damgard, and Peter Landrock. Speeding up prime number generation. *Lecture Notes in Computer Science*, 739:440–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Laih:1993:TES

[2054] Chi-Sung Laih, Sung-Ming Yen, and Lein Harn. Two efficient server-aided secret computation protocols based on the addition sequence. *Lecture Notes in Computer Science*, 739:450–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Miyaji:1993:OEC

[2055] Atsuko Miyaji. On ordinary elliptic curve cryptosystems. *Lecture Notes in Computer Science*, 739:460–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Joux:1993:CAK

[2056] Antoine Joux and Jacques Stern. Cryptanalysis of another knapsack cryptosystem. *Lecture Notes in Computer Science*, 739:470–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Daemen:1993:CSH

[2057] Joan Daemen, Antoon Bosselaers, Rene Govaerts, and Joos Vandewalle. Collisions for Schnorr's hash function FFT-Hash presented at Crypto'91. *Lecture Notes in Computer Science*, 739:477–480, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rivest:1993:NPD

[2058] Ronald L. Rivest. On NIST's proposed Digital Signature Standard. *Lecture Notes in Computer Science*, 739:481–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaneko:1993:KPA

[2059] Toshinobu Kaneko. A known-plaintext attack of FEAL-4 based on the system of linear equations on difference. *Lecture Notes in Computer Science*, 739:485–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kwan:1993:SAD

[2060] Matthew Kwan. Simultaneous attacks in differential cryptanalysis (getting more pairs per encryption). *Lecture Notes in Computer Science*, 739:489–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mjolsnes:1993:PCP

[2061] Stig Fr. Mjolsnes. Privacy, cryptographic pseudonyms, and the state of health. *Lecture Notes in Computer Science*, 739:493–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Daemen:1993:LEM

[2062] Joan Daemen. Limitations of the even-mansour construction. *Lecture Notes in Computer Science*, 739:495–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bos:1993:PUS

[2063] Jurjen N. E. Bos and David Chaum. Provably unforgeable signatures. *Lecture Notes in Computer Science*, 740:1–14, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400001.htm; http:/`

/link.springer-ny.com/link/service/series/0558/papers/0740/07400001.pdf.

vanHeijst:1993:NCF

[2064] Eugène van Heijst, Torben Pryds Pedersen, and Birgit Pfitzmann. New constructions of fail-stop signatures and lower bounds (extended abstract). *Lecture Notes in Computer Science*, 740: 15–30, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400015.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400015.pdf.

Heijst:1993:NCF

[2065] Eugène van Heijst, Torben Pryds Pedersen, and Birgit Pfitzmann. New constructions of fail-stop signatures and lower bounds (extended abstract). *Lecture Notes in Computer Science*, 740: 15–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400015.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400015.pdf.

Okamoto:1993:PSP

[2066] Tatsuaki Okamoto. Provably secure and practical identification schemes and corresponding signature schemes. *Lecture Notes in Computer Science*, 740:31–53, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400031.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400031.pdf.

Okamoto:1993:EDS

[2067] Tatsuaki Okamoto, Atsushi Fujioka, and Eiichiro Fujisaki. An efficient digital signature scheme based on an elliptic curve over the ring Z_n. *Lecture Notes in Computer Science*, 740:54–65, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400054.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400054.pdf.

Gordon:1993:DDT

[2068] Daniel M. Gordon. Designing and detecting trapdoors for discrete log cryptosystems. *Lecture Notes in Computer Science*, 740:66–75, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400066.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400066.pdf.

Smid:1993:RCN

[2069] Miles E. Smid and Dennis K. Branstad. Response to comments on the NIST proposed digital signature standard (invited). *Lecture Notes in Computer Science*, 740:76–88, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-

ny.com/link/service/series/0558/bibs/0740/07400076.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400076.pdf.

Chaum:1993:WDO

[2070] David Chaum and Torben Pryds Pedersen. Wallet databases with observers. *Lecture Notes in Computer Science*, 740:89–105, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400089.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400089.pdf.

Hirschfeld:1993:MER

[2071] Rafael Hirschfeld. Making electronic refunds safer. *Lecture Notes in Computer Science*, 740:106–112, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400106.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400106.pdf.

Micali:1993:FPK

[2072] Silvio Micali. Fair public-key cryptosystems (rough draft). *Lecture Notes in Computer Science*, 740:113–138, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400113.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400113.pdf.

Dwork:1993:PPC

[2073] Cynthia Dwork and Moni Naor. Pricing via processing or combatting junk mail. *Lecture Notes in Computer Science*, 740:139–147, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400139.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400139.pdf.

Blundo:1993:IRS

[2074] C. Blundo, A. De Santis, L. Gargano, and U. Vaccaro. On the information rate of secret sharing schemes. *Lecture Notes in Computer Science*, 740:148–167, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400148.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400148.pdf.

Stinson:1993:NGL

[2075] Douglas R. Stinson. New general lower bounds on the information rate of secret sharing schemes. *Lecture Notes in Computer Science*, 740:168–182, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400168.htm; http://link.springer-ny.com/link/service/

series/0558/papers/0740/07400168.pdf.

Beimel:1993:UIS

[2076] Amos Beimel and Benny Chor. Universally ideal secret sharing schemes (preliminary version). *Lecture Notes in Computer Science*, 740:183–195, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400183.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400183.pdf.

Naor:1993:PZK

[2077] Moni Naor, Rafail Ostrovsky, Ramarathnam Venkatesan, and Moti Yung. Perfect zero-knowledge arguments for *np* can be based on general complexity assumptions (extended abstract). *Lecture Notes in Computer Science*, 740:196–214, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400196.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400196.pdf.

Dwork:1993:LCP

[2078] Cynthia Dwork, Uri Feige, Joe Kilian, Moni Naor, and Muli Safra. Low communication 2-Prover zero-knowledge proofs for NP. *Lecture Notes in Computer Science*, 740:215–227, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400215.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400215.pdf.

Goldwasser:1993:ISN

[2079] Shafi Goldwasser and Rafail Ostrovsky. *Invariant* signatures and non-interactive zero-knowledge proofs are equivalent (extended abstract). *Lecture Notes in Computer Science*, 740:228–245, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400228.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400228.pdf.

Sakurai:1993:DBS

[2080] Kouichi Sakurai and Toshiya Itoh. On the discrepancy between serial and parallel of zero-knowledge protocols (extended abstract). *Lecture Notes in Computer Science*, 740:246–259, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400246.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400246.pdf.

Sivabalan:1993:DSN

[2081] M. Sivabalan, S. E. Tavares, and L. E. Peppard. On the design of SP networks from an information theoretic point of view. *Lecture Notes in Computer Science*, 740:260–279, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400260.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400260.pdf.

Carlet:1993:PBF

[2082] Claude Carlet. Partially-bent functions. *Lecture Notes in Computer Science*, 740:280–291, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400280.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400280.pdf.

Zheng:1993:PAA

[2083] Yuliang Zheng and Jennifer Seberry. Practical approaches to attaining security against adaptively chosen ciphertext attacks (extended abstract). *Lecture Notes in Computer Science*, 740:292–304, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400292.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400292.pdf.

Baritaud:1993:SPK

[2084] Thierry Baritaud, Mireille Campana, Pascal Chauvaud, and Henri Gilbert. On the security of the permuted kernel identification scheme. *Lecture Notes in Computer Science*, 740:305–311, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400305.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400305.pdf.

Gordon:1993:MPC

[2085] Daniel M. Gordon and Kevin S. McCurley. Massively parallel computation of discrete logarithms. *Lecture Notes in Computer Science*, 740:312–323, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400312.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400312.pdf.

Peralta:1993:QSD

[2086] René Peralta. A quadratic sieve on the n-dimensional cube. *Lecture Notes in Computer Science*, 740:324–332, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400324.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400324.pdf.

Meier:1993:EMC

[2087] Willi Meier and Othmar Staffelbach. Efficient multiplication on certain nonsupersingular elliptic curves. *Lecture Notes in Computer Science*, 740:333–344, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-

ny.com/link/service/series/0558/bibs/0740/07400333.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400333.pdf.

Koyama:1993:SEC

[2088] Kenji Koyama and Yukio Tsuruoka. Speeding up elliptic cryptosystems by using a signed binary window method. *Lecture Notes in Computer Science*, 740:345–357, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400345.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400345.pdf.

Brandt:1993:GPP

[2089] Jørgen Brandt and Ivan Bjerre Damgård. On generation of probable primes by incremental search. *Lecture Notes in Computer Science*, 740:358–370, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400358.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400358.pdf.

Fellows:1993:KKI

[2090] Michael Fellows and Neal Koblitz. Kid Krypto (invited). *Lecture Notes in Computer Science*, 740:371–389, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400371.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400371.pdf.

Bellare:1993:DPK

[2091] Mihir Bellare and Oded Goldreich. On defining proofs of knowledge. *Lecture Notes in Computer Science*, 740:390–420, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400390.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400390.pdf.

Herzberg:1993:PRC

[2092] Amir Herzberg and Michael Luby. Public randomness in cryptography. *Lecture Notes in Computer Science*, 740:421–432, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400421.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400421.pdf.

Russell:1993:NSC

[2093] Alexander Y. Russell. Necessary and sufficient conditions for collision-free hashing. *Lecture Notes in Computer Science*, 740:433–441, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400433.htm; http://link.springer-ny.com/link/service/

series/0558/papers/0740/07400433.pdf.

Bellare:1993:CCT

[2094] Mihir Bellare and Moti Yung. Certifying cryptographic tools: The case of trapdoor permutations. *Lecture Notes in Computer Science*, 740:442–460, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400442.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400442.pdf.

Maurer:1993:PSK

[2095] Ueli M. Maurer. Protocols for secret key agreement by public discussion based on common information. *Lecture Notes in Computer Science*, 740:461–470, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400461.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400461.pdf.

Blundo:1993:PSK

[2096] Carlo Blundo, Alfredo De Santis, Amir Herzberg, Shay Kutten, Ugo Vaccaro, and Moti Yung. Perfectly-secure key distribution for dynamic conferences. *Lecture Notes in Computer Science*, 740:471–486, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400471.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400471.pdf.

Biham:1993:DCF

[2097] Eli Biham and Adi Shamir. Differential cryptanalysis of the full 16-round DES. *Lecture Notes in Computer Science*, 740:487–496, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400487.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400487.pdf.

Knudsen:1993:ICS

[2098] L. R. Knudsen. Iterative characteristics of DES and S02 DES. *Lecture Notes in Computer Science*, 740:497–511, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Knudsen:1993:IC

[2099] Lars R. Knudsen. Iterative characteristics of DES and s^2-DES. *Lecture Notes in Computer Science*, 740:497–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400497.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400497.pdf.

Campbell:1993:G

[2100] Keith W. Campbell and Michael J. Wiener. DES is not a group. *Lecture Notes in Computer Science*, 740:512–520, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400512.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400512.pdf.

Eberle:1993:HSI

[2101] Hans Eberle. A high-speed DES implementation for network applications. *Lecture Notes in Computer Science*, 740:521–539, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400521.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400521.pdf.

Blakley:1993:TSD

[2102] Bob Blakley, G. R. Blakley, Agnes Hui Chan, and James L. Massey. Threshold schemes with disenrollment. *Lecture Notes in Computer Science*, 740:540–548, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400540.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400540.pdf.

Frankel:1993:NEH

[2103] Yair Frankel, Yvo Desmedt, and Mike V. D. Burmester. Non-existence of homomorphic general sharing schemes for some key spaces. *Lecture Notes in Computer Science*, 740:549–557, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400549.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400549.pdf.

Harn:1993:SGS

[2104] Lein Harn and Hung-Yu Lin. An l-span generalized secret sharing scheme. *Lecture Notes in Computer Science*, 740:558–565, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400558.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400558.pdf.

Nyberg:1993:PSA

[2105] Kaisa Nyberg and Lars Ramkilde Knudsen. Provable security against differential cryptanalysis. *Lecture Notes in Computer Science*, 740:566–574, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400566.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400566.pdf.

Wayner:1993:CAS

[2106] Peter C. Wayner. Content-addressable search engines and DES-like systems. *Lecture Notes in Computer Science*, 740:575–586, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400575.htm; http:

//link.springer-ny.com/link/service/series/0558/papers/0740/07400575.pdf.

Vaudenay:1993:FHI

[2107] Serge Vaudenay. FFT-Hash-II is not yet collision-free. *Lecture Notes in Computer Science*, 740:587–593, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer-ny.com/link/service/series/0558/bibs/0740/07400587.htm; http://link.springer-ny.com/link/service/series/0558/papers/0740/07400587.pdf.

DeSchutter:1993:TFA

[2108] B. De Schutter. Trends in the fight against computer-related delinquency. *Lecture Notes in Computer Science*, 741:3–19, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vandewalle:1993:TAT

[2109] J. Vandewalle, R. Govaerts, and B. Preneel. Technical approaches to thwart computer fraud. *Lecture Notes in Computer Science*, 741:20–32, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeSoete:1993:PKC

[2110] M. De Soete. Public key cryptography. *Lecture Notes in Computer Science*, 741:33–49, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeWaleffe:1993:BLP

[2111] D. De Waleffe and J.-J. Quisquater. Better login protocols for computer networks. *Lecture Notes in Computer Science*, 741:50–70, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VanTilburg:1993:SKE

[2112] J. Van Tilburg. Secret-key exchange with authentication. *Lecture Notes in Computer Science*, 741:71–86, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Preneel:1993:IAH

[2113] B. Preneel, R. Govaerts, and J. Vandewalle. Information authentication: Hash functions and digital signatures. *Lecture Notes in Computer Science*, 741:87–131, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Funny:1993:KM

[2114] W. Funny. Key management. *Lecture Notes in Computer Science*, 741:132–150, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Roberts:1993:ECI

[2115] D. W. Roberts. Evaluation criteria for IT security. *Lecture Notes in Computer Science*, 741:151–161, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Preneel:1993:SCT

[2116] B. Preneel. Standardization of cryptographic techniques. *Lecture Notes in Computer Science*, 741:162–173, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chaum:1993:NCB

[2117] D. Chaum. Numbers can be a better form of cash than paper. *Lecture Notes in Computer Science*, 741:174–178, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Verschuren:1993:IOS

[2118] J. Verschuren, R. Govaerts, and J. Vandewalle. ISO-OSI security architecture. *Lecture Notes in Computer Science*, 741:179–192, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vedder:1993:SAM

[2119] K. Vedder. Security aspects of mobile communications. *Lecture Notes in Computer Science*, 741:193–210, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fumy:1993:LAN

[2120] W. Fumy. (local area) network security. *Lecture Notes in Computer Science*, 741:211–226, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bosselaers:1993:CWP

[2121] A. Bosselaers, R. Govaerts, and J. Vandewalle. Cryptography within phase I of the EEC-RACE programme. *Lecture Notes in Computer Science*, 741:227–234, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lennox:1993:ES

[2122] G. Lennox. EDI security. *Lecture Notes in Computer Science*, 741:235–243, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Geoffroy:1993:APF

[2123] M. Geoffroy, R. Bjones, and H. Cnudde. AXYTRANS: Physical funds transport and DES. *Lecture Notes in Computer Science*, 741:244–256, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeDecker:1993:USK

[2124] B. De Decker. Unix security and Kerberos. *Lecture Notes in Computer Science*, 741:257–274, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sargeant:1993:UFO

[2125] John Sargeant. Uniting functional and object-oriented programming. *Lecture Notes in Computer Science*, 742:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kiczales:1993:TCM

[2126] Gregor Kiczales. Traces (A cut at the "make isn't generic" problem). *Lecture Notes in Computer Science*, 742:27–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pintado:1993:GSS

[2127] Xavier Pintado. Gluons: a support for software component cooperation. *Lecture Notes in Computer Science*, 742:43–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamazaki:1993:TOO

[2128] Kenichi Yamazaki, Yoshiji Amagai, Masaharu Yoshida, and Ikuo Takeuchi.

TAO: An object-orientation kernel. *Lecture Notes in Computer Science*, 742:61–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gondow:1993:CMC

[2129] Katsuhiko Gondow, Takashi Imaizumi, Yoichi Shinoda, and Takuya Katayama. Change management and consistency maintenance in software development environments using object-oriented attribute grammars. *Lecture Notes in Computer Science*, 742:77–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mitsui:1993:DIE

[2130] Kin'ichi Mitsui, Hiroaki Nakamura, Theodore C. Law, and Shahram Javey. Design of an integrated and extensible C++ programming environment. *Lecture Notes in Computer Science*, 742: 95–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Okamura:1993:MDA

[2131] Hideaki Okamura, Yutaka Ishikawa, and Mario Tokoro. Metalevel decomposition in AL-1/D. *Lecture Notes in Computer Science*, 742:110–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mulet:1993:DRK

[2132] Philippe Mulet and Pierre Cointe. Definition of a reflective kernel for a prototype-based language. *Lecture Notes in Computer Science*, 742:128–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yokote:1993:KSO

[2133] Yasuhiko Yokote. Kernel structuring of object-oriented operating systems: The Apertos approach. *Lecture Notes in Computer Science*, 742:145–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bancilhon:1993:ODS

[2134] François Bancilhon. Object database systems: Functional architecture. *Lecture Notes in Computer Science*, 742: 163–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bergstein:1993:MBC

[2135] Paul L. Bergstein and Walter L. Hursch. Maintaining behavioral consistency during schema evolution. *Lecture Notes in Computer Science*, 742: 176–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liu:1993:OCA

[2136] Ling Liu. An object-centered approach for manipulating hierarchically complex objects. *Lecture Notes in Computer Science*, 742:194–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Byeon:1993:TUV

[2137] Kwang June Byeon and Dennis McLeod. Towards the unification of views and versions for object databases. *Lecture Notes in Computer Science*, 742:220–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Qiming:1993:AVO

[2138] Chen Qiming and Shan Ming-Chein. Abstract view objects for multiple OODB integration. *Lecture Notes in Computer Science*, 742:237–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hai:1993:OOQ

[2139] Jin Chang Hai and Hai Jin Chang. An object-oriented query model supporting views. *Lecture Notes in Computer Science*, 742:251–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Johnson:1993:RA

[2140] Ralph E. Johnson and William F. Opdyke. Refactoring and aggregation. *Lecture Notes in Computer Science*, 742:264–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kristensen:1993:TAA

[2141] Bent Bruun Kristensen. Transverse activities: Abstractions in object-oriented programming. *Lecture Notes in Computer Science*, 742:279–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Malhotra:1993:DES

[2142] Jawahar Malhotra. Dynamic extensibility in a statically-compiled object-oriented language. *Lecture Notes in Computer Science*, 742:297–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Atkinson:1993:MCP

[2143] Malcolm P. Atkinson, D. I. K. Sjoberg, and R. Morrison. Managing change in persistent object systems. *Lecture Notes in Computer Science*, 742:315–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gemis:1993:OOP

[2144] Marc Gemis and Jan Paredaens. An object-oriented pattern matching language. *Lecture Notes in Computer Science*, 742:339–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hui:1993:CCB

[2145] Siu Cheung Hui, Angela Goh, and Jose Kolencheril Raphel. CLOG: A class-based logic language for object-oriented databases. *Lecture Notes in Computer Science*, 742:356–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaplan:1993:NMO

[2146] Alan Kaplan and Jack C. Wileden. Name management and object technology for advanced software. *Lecture Notes in Computer Science*, 742:371–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VanBaelen:1993:COO

[2147] Stefan Van Baelen, Johan Lewi, Eric Steegmans, and Bart Swennen. Constraints in object-oriented analysis. *Lecture Notes in Computer Science*, 742:393–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lee:1993:ITA

[2148] Sai Peck Lee and Collette Rolland. Integration of the tool (AWB) supporting the O^* method in the PCTE-Based software engineering environment. *Lecture Notes in Computer Science*, 742:408–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lieberherr:1993:MDC

[2149] Karl J. Lieberherr and Cun Xiao. Minimizing dependency on class structures with adaptive programs. *Lecture Notes in Computer Science*, 742:424–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wakita:1993:FCM

[2150] Ken Wakita. First class messages as first class continuations. *Lecture Notes in Computer Science*, 742:442–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vasconcelos:1993:TSC

[2151] Vasco T. Vasconcelos and Mario Tokoro. A typing system for a calculus of objects. *Lecture Notes in Computer Science*, 742:460–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harada:1993:TMB

[2152] Yasunori Harada. A type mechanism based on restricted CCS for distributed active objects. *Lecture Notes in Computer Science*, 742:475–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Notkin:1993:AII

[2153] David Notkin, David Garlan, William G. Griswold, and Kevin Sullivan. Adding implicit invocation to languages: Three approaches. *Lecture Notes in Computer Science*, 742:489–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bandinelli:1993:REE

[2154] Sergio Bandinelli, Luciano Baresi, Alfonso Fuggetta, and Luigi Lavazza. Requirements and early experiences in the implementation of the SPADE repository using object-oriented technology. *Lecture Notes in Computer Science*, 742:511–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Laorakpong:1993:OOF

[2155] Amarit Laorakpong and Motoshi Saeki. Object-oriented formal specification development using VDM. *Lecture Notes in Computer Science*, 742:529–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Otsuki:1993:DLI

[2156] S. Otsuki. Discovery learning in intelligent tutoring systems. *Lecture Notes in Computer Science*, 743:3–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wiehagen:1993:IIA

[2157] R. Wiehagen. From inductive inference to algorithmic learning theory. *Lecture Notes in Computer Science*, 743:13–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Konagaya:1993:SAG

[2158] A. Konagaya. A stochastic approach to genetic information processing. *Lecture Notes in Computer Science*, 743:25–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yokomori:1993:LSL

[2159] T. Yokomori. On learning systolic languages. *Lecture Notes in Computer Science*, 743:41–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Balcazar:1993:NQC

[2160] J. L. Balcazar, J. Diaz, R. Gavalda, and O. Watanabe. A note on the query complexity of learning DFA. *Lecture Notes in Computer Science*, 743:53–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ito:1993:PTM

[2161] K. Ito and A. Yamamoto. Polynomial-time MAT learning of multilinear logic programs. *Lecture Notes in Computer Science*, 743:63–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kurita:1993:IWL

[2162] T. Kurita. Iterative weighted least squares algorithms for neural networks classifiers. *Lecture Notes in Computer Science*, 743:77–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Niijima:1993:DAA

[2163] K. Niijima. Domains of attraction in autoassociative memory networks for character pattern recognition. *Lecture Notes in Computer Science*, 743:87–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Akaho:1993:RLN

[2164] S. Akaho. Regularization learning of neural networks for generalization. *Lecture Notes in Computer Science*, 743: 99–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kamimura:1993:CLE

[2165] R. Kamimura. Competitive learning by entropy minimization. *Lecture Notes in Computer Science*, 743:111–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mukouchi:1993:IIB

[2166] Y. Mukouchi. Inductive inference with bounded mind changes. *Lecture Notes in Computer Science*, 743:125–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ishizaka:1993:EII

[2167] H. Ishizaka, H. Arimura, and T. Shinohara. Efficient inductive inference of primitive prologs from positive data. *Lecture Notes in Computer Science*, 743:135–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kapur:1993:MLL

[2168] S. Kapur. Monotonic language learning. *Lecture Notes in Computer Science*, 743:147–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jain:1993:PVL

[2169] S. Jain and A. Sharma. Prudence in vacillatory language identification. *Lecture Notes in Computer Science*, 743: 159–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ueda:1993:IHP

[2170] K. Ueda and S. Nagano. Implementation of heuristic problem solving process including analogical reasoning. *Lecture Notes in Computer Science*, 743:171–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Okubo:1993:PAB

[2171] Y. Okubo and M. Haraguchi. Planning with abstraction based on partial predicate mappings. *Lecture Notes in Computer Science*, 743:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sakai:1993:LTM

[2172] Y. Sakai and A. Maruoka. Learning k-term monotone Boolean formulae. *Lecture Notes in Computer Science*, 743:197–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takeuchi:1993:SIS

[2173] J. Takeuchi. Some improved sample complexity bounds in the probabilistic PAC learning model. *Lecture Notes in Computer Science*, 743:208–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Matsuoka:1993:ABP

[2174] M. Matsuoka. An application of Bernstein polynomials in PAC model. *Lecture Notes in Computer Science*, 743: 220–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Akutsu:1993:PLF

[2175] T. Akutsu and A. Takasu. On PAC learnability of functional dependencies. *Lecture Notes in Computer Science*, 743:229–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mamitsuka:1993:PSS

[2176] H. Mamitsuka and K. Yamanishi. Protein secondary structure prediction based on stochastic-rule learning. *Lecture Notes in Computer Science*, 743: 240–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kakihara:1993:NPL

[2177] K. Kakihara and H. Imai. Notes on the PAC learning of geometric concepts with additional information. *Lecture Notes in Computer Science*, 743:252–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Laird:1993:IUP

[2178] P. Laird. Identifying and using patterns in sequential data. *Lecture Notes in Computer Science*, 744:1–18, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Miyano:1993:LTT

[2179] S. Miyano. Learning theory toward genome informatics. *Lecture Notes in Computer Science*, 744:19–36, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Muggleton:1993:OLL

[2180] S. Muggleton. Optimal layered learning: A PAC approach to incremental sampling. *Lecture Notes in Computer Science*, 744:37–44, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arima:1993:REL

[2181] J. Arima and H. Sawamura. Reformulation of explanation by linear logic — toward logic for explanation. *Lecture Notes in Computer Science*, 744:45–58, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barzdins:1993:TEIb

[2182] J. Barzdins, G. Barzdins, K. Apsitis, and U. Sarkans. Towards efficient inductive synthesis of expressions from input/output examples. *Lecture Notes in Computer Science*, 744:59–72, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hagiya:1993:TLC

[2183] M. Hagiya. A typed lambda-calculus for proving-by-example and bottom-up generalization procedure. *Lecture Notes in Computer Science*, 744:73–86, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jantke:1993:CBR

[2184] K. P. Jantke and S. Lange. Case-based representation and learning of pattern languages. *Lecture Notes in Computer Science*, 744:87–100, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sato:1993:IR

[2185] T. Sato and S. Akiba. Inductive resolution. *Lecture Notes in Computer Science*, 744:101–110, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamamoto:1993:GUB

[2186] A. Yamamoto. Generalized unification as background knowledge in learning logic programs. *Lecture Notes in Computer Science*, 744:111–122, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mukouchi:1993:IIM

[2187] Y. Mukouchi and S. Arikawa. Inductive inference machines that can refute hypothesis spaces. *Lecture Notes in Computer Science*, 744:123–136, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freivalds:1993:DBM

[2188] R. Freivalds and C. H. Smith. On the duality between mechanistic learners and what it is they learn. *Lecture Notes in Computer Science*, 744:137–149, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jain:1993:ATL

[2189] S. Jain and A. Sharma. On aggregating teams of learning machines. *Lecture Notes in Computer Science*, 744:150–163, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Viksna:1993:LGQ

[2190] J. Viksna. Learning with growing quality. *Lecture Notes in Computer Science*, 744:164–172, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Daley:1993:URA

[2191] R. Daley and B. Kalyanasundaram. Use of reduction arguments in determining popperian FIN-Type learning capabilities. *Lecture Notes in Computer Science*, 744:173–186, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moriyama:1993:PLC

[2192] T. Moriyama and M. Sato. Properties of language classes with finite elasticity. *Lecture Notes in Computer Science*, 744:187–196, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kapur:1993:UCV

[2193] S. Kapur. Uniform characterizations of various kinds of language learning. *Lecture Notes in Computer Science*, 744:197–208, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Knuutila:1993:HIC

[2194] T. Knuutila. How to invent characterizable inference methods for regular languages. *Lecture Notes in Computer Science*, 744:209–222, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cuellar:1993:NDA

[2195] J. R. Cuellar and H. U. Simon. Neural discriminant analysis. *Lecture Notes in Computer Science*, 744:223–236, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Iwayama:1993:NAA

[2196] M. Iwayama, N. Indurkhya, and H. Motoda. A new algorithm for automatic configuration of hidden Markov models. *Lecture Notes in Computer Science*, 744:237–250, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sakurai:1993:VDD

[2197] A. Sakurai. On the VC-Dimension of depth four threshold circuits and the complexity of Boolean-valued functions. *Lecture Notes in Computer Science*, 744:251–264, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takimoto:1993:SCC

[2198] E. Takimoto and A. Maruoka. On the sample complexity of consistent learning with one-sided error. *Lecture Notes in Computer Science*, 744:265–278, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shinohara:1993:CCV

[2199] A. Shinohara. Complexity of computing Vapnik–Chervonenkis dimension. *Lecture Notes in Computer Science*, 744:279–287, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hasegawa:1993:AKL

[2200] S. Hasegawa, H. Imai, and M. Ishiguro. *xxx*-approximations of kappa-label spaces. *Lecture Notes in Computer Science*, 744:288–299, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nakamura:1993:ELL

[2201] A. Nakamura and N. Abe. Exact learning of linear combinations of monotone terms from function value queries. *Lecture Notes in Computer Science*, 744:300–313, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Siromoney:1993:TSD

[2202] R. Siromoney, D. G. Thomas, K. G. Subramanian, and V. R. Dare. Thue systems and DNA — A learning algorithm for a subclass. *Lecture Notes in Computer Science*, 744:314–327, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ishigami:1993:VDF

[2203] Y. Ishigami and S. Tani. The VC-Dimensions of finite automata with n states. *Lecture Notes in Computer Science*, 744:328–341, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yoshida:1993:ULM

[2204] K. Yoshida, H. Motoda, and N. Indurkhya. Unifying learning methods by colored digraphs. *Lecture Notes in Computer Science*, 744:342–355, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Suwa:1993:PCV

[2205] M. Suwa and H. Motoda. A perceptual criterion for visually controlling learning. *Lecture Notes in Computer Science*, 744:356–369, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kobayashi:1993:LSU

[2206] S. Kobayashi. Learning strategies using decision lists. *Lecture Notes in Computer Science*, 744:370–383, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhong:1993:DBI

[2207] N. Zhong and S. Ohsuga. A decomposition based induction model for discovering concept clusters from databases. *Lecture Notes in Computer Science*, 744:384–397, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ganascia:1993:ASS

[2208] J.-G. Ganascia. Algebraic structure of some learning systems. *Lecture Notes in Computer Science*, 744:398–409, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tsumoto:1993:IPR

[2209] S. Tsumoto and H. Tanaka. Induction of probabilistic rules based on rough

set theory. *Lecture Notes in Computer Science*, 744:410–423, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Luccio:1993:GPC

[2210] R. Luccio. Gestalt problems in cognitive psychology: Field theory, invariance, and auto-organisation. *Lecture Notes in Computer Science*, 745:2–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Parisi:1993:NNL

[2211] D. Parisi and S. Nolfi. Neural network learning in an ecological and evolutionary context. *Lecture Notes in Computer Science*, 745:20–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiGesu:1993:TPR

[2212] V. Di Gesu. Trends in pattern recognition. *Lecture Notes in Computer Science*, 745:41–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biancardi:1993:CVS

[2213] A. Biancardi, V. Cantoni, and L. Lombardi. Computer vision systems: Functionality and structure integration. *Lecture Notes in Computer Science*, 745:70–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cosi:1993:UAM

[2214] P. Cosi. On the use of auditory models in speech technology. *Lecture Notes in Computer Science*, 745:85–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Frasconi:1993:ASR

[2215] P. Frasconi, M. Gori, and G. Soda. Automatic speech recognition with neural networks: beyond nonparametric models. *Lecture Notes in Computer Science*, 745:104–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chella:1993:NSS

[2216] A. Chella, S. Gaglio, and R. Pirrone. New shape from shading methods. *Lecture Notes in Computer Science*, 745:122–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Voltolina:1993:ODE

[2217] M. Voltolina and C. Umilta. Orientation-dependent effects in neural networks. *Lecture Notes in Computer Science*, 745:137–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Santini:1993:IPD

[2218] S. Santini. Identification of pattern dimensionality by self-organization. *Lecture Notes in Computer Science*, 745: 142–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Murino:1993:MMP

[2219] V. Murino, G. L. Foresti, and C. S. Regazzoni. A Markovian model for perceptual grouping of different shape primitives. *Lecture Notes in Computer Science*, 745:161–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giretti:1993:SIR

[2220] A. Giretti, P. Puliti, G. Tascini, and P. Zingaretti. Segmented image reduction. *Lecture Notes in Computer Science*, 745:181–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Corazza:1993:DAT

[2221] A. Corazza, M. Federico, R. Gretter, and G. Lazzari. Design and acquisition of a task-oriented spontaneous speech database. *Lecture Notes in Computer Science*, 745:196–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tabossi:1993:LA

[2222] P. Tabossi. Language and ambiguity. *Lecture Notes in Computer Science*, 745:211–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DelBimbo:1993:SLI

[2223] A. Del Bimbo, E. Vicario, and D. Zingoni. Spatial logic for image representation and retrieval-by-contents. *Lecture Notes in Computer Science*, 745: 222–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bragato:1993:CAP

[2224] P. L. Bragato and V. Roberto. Communication among perceiving agents. *Lecture Notes in Computer Science*, 745: 241–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dragoni:1993:PMS

[2225] A. F. Dragoni and P. Puliti. Perception of mental states from communication. *Lecture Notes in Computer Science*, 745:263–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zoppis:1993:PGSb

[2226] B. Zoppis, O. Boissier, and J. L. Crowley. Perceptual grouping for scene interpretation in an active vision system. *Lecture Notes in Computer Science*, 745:276–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Trucco:1993:UVC

[2227] E. Trucco and A. M. Wallace. Using viewer-centered representations in machine vision. *Lecture Notes in Computer Science*, 745:307–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Milanese:1993:NLI

[2228] R. Milanese, T. Pun, and H. Wechsler. A non-linear integration process for the selection of visual information. *Lecture Notes in Computer Science*, 745:322–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bollini:1993:DPP

[2229] A. Bollini. Distributed perceptive paradigms: Preliminary statements. *Lecture Notes in Computer Science*, 745:337–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Floreano:1993:ATM

[2230] D. Floreano. Anticipatory tracking of a moving object. *Lecture Notes in Computer Science*, 745:344–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Romano:1993:TCD

[2231] M. Romano and N. Ancona. A time-to-crash detector based on area expansions: Example of opto-motor reflex. *Lecture Notes in Computer Science*, 745:354–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cassinis:1993:ITI

[2232] R. Cassinis and M. Terceros Rojas. "intelligent" telepresence: Introducing virtual reality in advanced robots. *Lecture Notes in Computer Science*, 745: 368–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

An:1993:RFR

[2233] Z. An and M. McLeish. RES: A formalism for reasoning with relative-strength defaults. *Lecture Notes in Computer Science*, 747:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baader:1993:SON

[2234] F. Baader and K. Schlechta. A semantics for open normal defaults via a modified preferential approach. *Lecture Notes in Computer Science*, 747:9–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benferhat:1993:PLN

[2235] S. Benferhat, D. Dubois, and H. Prade. Possibilistic logic: From nonmonotonicity to logic programming. *Lecture Notes in Computer Science*, 747:17–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bergadano:1993:LMF

[2236] F. Bergadano and V. Cutello. Learning membership functions. *Lecture Notes in Computer Science*, 747:25–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bittencourt:1993:UPL

[2237] G. Bittencourt, M. Marengoni, and S. Sandri. The use of possibilistic logic PL1 in a customizable tool for the generation of production-rule based systems. *Lecture Notes in Computer Science*, 747:33–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bouckaert:1993:PNC

[2238] R. R. Bouckaert. Probabilistic network construction using the minimum description length principle. *Lecture Notes in Computer Science*, 747:41–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bouckaert:1993:IPM

[2239] R. R. Bouckaert. IDAGs: a perfect map for any distribution. *Lecture Notes in Computer Science*, 747:49–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

deCampos:1993:LNP

[2240] L. M. de Campos and J. F. Huete. Learning non probabilistic belief networks. *Lecture Notes in Computer Science*, 747:57–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cravo:1993:PSD

[2241] M. R. Cravo and J. P. Martins. A practical system for defeasible reasoning and belief revision. *Lecture Notes in Computer Science*, 747:65–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cubero:1993:IGL

[2242] J. C. Cubero, J. M. Medina, and M. A. Vila. Influence of granularity level in fuzzy functional dependencies. *Lecture Notes in Computer Science*, 747:73–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Das:1993:LRA

[2243] S. K. Das and J. Fox. A logic for reasoning about safety in decision support systems. *Lecture Notes in Computer Science*, 747:79–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Elvang-Goransson:1993:AAL

[2244] M. Elvang-Goransson, P. J. Krause, and J. Fox. Acceptability of arguments as 'logical uncertainty'. *Lecture Notes in Computer Science*, 747:85–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Engelfriet:1993:TMT

[2245] J. Engelfriet and J. Treur. A temporal model theory for default logic. *Lecture Notes in Computer Science*, 747:91–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fargier:1993:UCS

[2246] H. Fargier and J. Lang. Uncertainty in constraint satisfaction problems: a probabilistic approach. *Lecture Notes in Computer Science*, 747:97–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

FarinasdelCerro:1993:ILC

[2247] L. Farinas del Cerro and A. Herzig. Interference logic = conditional logic + frame axiom. *Lecture Notes in Computer Science*, 747:105–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fehrer:1993:ULF

[2248] D. Fehrer. A unifying logical framework for reason maintenance. *Lecture Notes in Computer Science*, 747:113–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fouquere:1993:TLT

[2249] C. Fouquere and J. Vauzeilles. Taxonomic linear theories. *Lecture Notes in Computer Science*, 747:121–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gabbay:1993:MIR

[2250] D. Gabbay and A. Hunter. Making inconsistency respectable: Part 2

— metal-level handling of inconsistency. *Lecture Notes in Computer Science*, 747:129–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gabbay:1993:RAL

[2251] D. Gabbay and A. Hunter. Restricted access logics for inconsistent information. *Lecture Notes in Computer Science*, 747:137–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gasquet:1993:TIW

[2252] O. Gasquet and A. Herzig. Translating inaccessible worlds logic into bimodal logic. *Lecture Notes in Computer Science*, 747:145–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gebhardt:1993:NAS

[2253] J. Gebhardt and R. Kruse. A new approach to semantic aspects of possibilistic reasoning. *Lecture Notes in Computer Science*, 747:151–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gilio:1993:PCK

[2254] A. Gilio. Probabilistic consistency of knowledge bases in inference systems. *Lecture Notes in Computer Science*, 747:160–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guiasu:1993:WIB

[2255] S. Guiasu. Weighting independent bodies of evidence. *Lecture Notes in Computer Science*, 747:168–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hopkins:1993:DLO

[2256] M. Hopkins. Default logic: Orderings and extensions. *Lecture Notes in Computer Science*, 747:174–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huete:1993:LCP

[2257] J. F. Huete and L. M. de Campos. Learning causal polytrees. *Lecture Notes in Computer Science*, 747:180–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kohlas:1993:SEA

[2258] J. Kohlas. Symbolic evidence, arguments, supports and valuation networks. *Lecture Notes in Computer Science*, 747:186–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kohler:1993:DOR

[2259] A. Kohler. A dynamic ordering relation for revision. *Lecture Notes in Computer Science*, 747:199–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kriz:1993:EMD

[2260] O. Kriz. On extensions of marginals for decision-making. *Lecture Notes in Computer Science*, 747:205–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Laenens:1993:SNL

[2261] E. Laenens. On the semantics of negations in logic programming. *Lecture*

Notes in Computer Science, 747:213–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Larranaga:1993:SLA

[2262] P. Larranaga and Y. Yurramendi. Structure learning approaches in causal probabilistics networks. *Lecture Notes in Computer Science*, 747:227–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Levy:1993:WED

[2263] F. Levy. Weak extensions for default theories. *Lecture Notes in Computer Science*, 747:233–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liu:1993:RIF

[2264] W. Liu, A. Bundy, and D. Robertson. Recovering incidence functions. *Lecture Notes in Computer Science*, 747: 241–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liu:1993:RBI

[2265] W. Liu, A. Bundy, and D. Robertson. On the relations between incidence calculus and ATMS. *Lecture Notes in Computer Science*, 747:249–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mathieu:1993:RMN

[2266] C. Mathieu. A resolution method for a non monotonic multimodal logic. *Lecture Notes in Computer Science*, 747: 257–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meyer:1993:DLB

[2267] J.-J. Ch. Meyer and W. van der Hoek. A default logic based on epistemic states. *Lecture Notes in Computer Science*, 747:265–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moral:1993:FLC

[2268] S. Moral. A formal language for convex sets of probabilities. *Lecture Notes in Computer Science*, 747:274–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ngair:1993:LTA

[2269] T.-H. Ngair and G. Provan. A lattice-theoretic analysis of ATMS problem solving. *Lecture Notes in Computer Science*, 747:282–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Noormohammadian:1993:ECP

[2270] M. Noormohammadian and U. G. Oppel. Examples of causal probabilistic expert systems. *Lecture Notes in Computer Science*, 747:290–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Papini:1993:MAR

[2271] O. Papini and A. Rauzy. A mixed approach of revision in propositional calculus. *Lecture Notes in Computer Science*, 747:296–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Parsons:1993:IUH

[2272] S. Parsons and A. Saffiotti. Integrating uncertainty handling formalisms in

distributed artificial intelligence. *Lecture Notes in Computer Science*, 747: 304–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schaub:1993:VCD

[2273] T. Schaub. Variations of constrained default logic. *Lecture Notes in Computer Science*, 747:310–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shenoy:1993:ISD

[2274] P. P. Shenoy. Information sets in decision theory. *Lecture Notes in Computer Science*, 747:318–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shu:1993:PSM

[2275] H. Shu. The preferential semantics of A multi-modal nonmonotonic logic. *Lecture Notes in Computer Science*, 747:326–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smets:1993:PDB

[2276] P. Smets. Probability of deductibility and belief functions. *Lecture Notes in Computer Science*, 747:332–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Studeny:1993:FPC

[2277] M. Studeny. Formal properties of conditional independence in different calculi of AI. *Lecture Notes in Computer Science*, 747:341–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tan:1993:PTC

[2278] Y.-H. Tan. A proof theory for constructive default logic. *Lecture Notes in Computer Science*, 747:349–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weydert:1993:PID

[2279] E. Weydert. Plausible inference for default conditionals. *Lecture Notes in Computer Science*, 747:356–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilson:1993:DMB

[2280] N. Wilson. Decision-making with belief functions and pignistic probabilities. *Lecture Notes in Computer Science*, 747:364–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilson:1993:DLD

[2281] N. Wilson. Default logic and Dempster-Shafer theory. *Lecture Notes in Computer Science*, 747:372–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Witteveen:1993:BRE

[2282] C. Witteveen and W. van der Hoek. Belief revision by expansion. *Lecture Notes in Computer Science*, 747:380–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:AIc

[2283] Anonymous. Author index. *Lecture Notes in Computer Science*, 747:389–??, 1993. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Halstead:1993:OPU

[2284] Robert H. Halstead and Takayasu Ito. Overview of papers from the U.S./ Japan workshop on parallel symbolic computing. *Lecture Notes in Computer Science*, 748:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kale:1993:PPS

[2285] L. V. Kale, B. Ramkumar, V. Saletore, and A. B. Sinha. Prioritization in parallel symbolic computing. *Lecture Notes in Computer Science*, 748:12–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaneda:1993:PCS

[2286] Yukio Kaneda, Hideo Matsuda, and Shigeo Suzuka. A priority control system for OR-Parallel Prolog and its performance evaluation. *Lecture Notes in Computer Science*, 748:42–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Osborne:1993:EMS

[2287] Randy B. Osborne. Extending the Multilisp sponsor model to deal with inter-task synchronization side effects. *Lecture Notes in Computer Science*, 748: 54–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mohr:1993:DDP

[2288] Eric Mohr. Distillations of dynamic partitioning experience. *Lecture Notes in Computer Science*, 748:88–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feeley:1993:MPI

[2289] Marc Feeley. A message passing implementation of lazy task creation. *Lecture Notes in Computer Science*, 748:94–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ito:1993:PCB

[2290] Takayasu Ito and Tomohiro Seino. P-continuation based implementation of PaiLisp interpreter. *Lecture Notes in Computer Science*, 748:108–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hagiya:1993:RHO

[2291] Masami Hagiya. Running higher-order unification in PaiLisp. *Lecture Notes in Computer Science*, 748:155–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tanaka:1993:HMD

[2292] Hidehiko Tanaka and Jun ichi Tatemura. HyperDEBU: A multiwindow debugger for parallel logic programs. *Lecture Notes in Computer Science*, 748:162–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Halstead:1993:MTV

[2293] Robert H. Halstead, David A. Kranz, and Patrick G. Sobalvarro. MulTVision: A tool for visualizing parallel program executions. *Lecture Notes in Computer Science*, 748:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kinson:1993:MSE

[2294] Ho Kinson and Paul N. Hilfinger. Managing side effects on shared data. *Lecture Notes in Computer Science*, 748: 205–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Queinnec:1993:DCD

[2295] Christian Queinnec and David De Roure. Design of a concurrent and distributed language. *Lecture Notes in Computer Science*, 748:234–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jagannathan:1993:TSD

[2296] Suresh Jagannathan. TS/ scheme: Distributed data structures in lisp. *Lecture Notes in Computer Science*, 748: 260–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yuasa:1993:SET

[2297] Taiichi Yuasa. A SIMD environment TUPLE for parallel list processing. *Lecture Notes in Computer Science*, 748:268–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Padget:1993:AIC

[2298] Julian Padget, Duncan Batey, and Simon Merrall. Architecture independence and coordination. *Lecture Notes in Computer Science*, 748:287–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yih:1993:PIS

[2299] Benny Yih, Mark Swanson, and Robert Kessler. Persistent immutable shared abstractions. *Lecture Notes in Computer Science*, 748:300–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tokoro:1993:ART

[2300] Mario Tokoro and Ichiro Satoh. Asynchrony and real-time in distributed systems. *Lecture Notes in Computer Science*, 748:318–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kobayashi:1993:ACM

[2301] Naoki Kobayashi and Akinori Yonezawa. Asynchronous communication model based on linear logic. *Lecture Notes in Computer Science*, 748:331–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chikayama:1993:PIS

[2302] Takashi Chikayama and Ryozo Kiyohara. Parallel inference system research in the Japanese FGCS project. *Lecture Notes in Computer Science*, 748:338–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Waltz:1993:MPS

[2303] David L. Waltz. Massively parallel symbolic computing. *Lecture Notes in Computer Science*, 748:352–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agarwal:1993:SMV

[2304] Anant Agarwal, Jonathan Babb, David Chaiken, Godfrey D'Souza, Kirk Johnson, David Kranz, John Kubiatowicz, Beng-Hong Lim, Gino Maa, and Ken Mackenzie. Sparcle: A multithreaded VLSI processor for parallel computing. *Lecture Notes in Computer Science*, 748:359–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruggeman:1993:NAD

[2305] Carl Bruggeman and R. Kent Dybvig. A new architecture design paradigm for parallel computing in scheme. *Lecture Notes in Computer Science*, 748:362–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Philbin:1993:CPM

[2306] James Philbin. Customizable policy management in the sting operating system. *Lecture Notes in Computer Science*, 748:380–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Taura:1993:EIS

[2307] Kenjiro Taura, Satoshi Matsuoka, and Akinori Yonezawa. An efficient implementation scheme of concurrent object-oriented languages on stock multicomputers. *Lecture Notes in Computer Science*, 748:402–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ito:1993:MPA

[2308] Takayasu Ito, Rishiyur Nikhil, Julian Padget, Norihisa Suzuki, and Taiichi Yuasa. Massively parallel architectures and symbolic computation. *Lecture Notes in Computer Science*, 748:408–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Halstead:1993:APS

[2309] Robert H. Halstead, Takashi Chikayama, Richard Gabriel, David Waltz, and Akinori Yonezawa. Applications for parallel symbolic computation. *Lecture Notes in Computer Science*, 748:417–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:LWP

[2310] Anonymous. List of workshop participants. *Lecture Notes in Computer Science*, 748:419–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ducasse:1993:PSA

[2311] Mireille Ducasse. A pragmatic survey of automated debugging. *Lecture Notes in Computer Science*, 749:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shahmehri:1993:UCA

[2312] Nahid Shahmehri, Mariam Kamkar, and Peter Fritzson. Usability criteria for automated debugging systems. *Lecture Notes in Computer Science*, 749:16–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferrand:1993:NSE

[2313] Gerard Ferrand. The notions of symptom and error in declarative diagno-

sis of logic programs. *Lecture Notes in Computer Science*, 749:40–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pereira:1993:DDA

[2314] Luis M. Pereira, Carlos Viegas Damasio, and Jose J. Alferes. Debugging by diagnosing assumptions. *Lecture Notes in Computer Science*, 749:58–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yuh-Jeng:1993:DLP

[2315] Lee Yuh-Jeng and Nachum Dershowitz. Debugging logic programs using specifications. *Lecture Notes in Computer Science*, 749:75–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Console:1993:MBD

[2316] Luca Console, Gerhard Friedrich, and Daniele T. Dupre. Model-based diagnosis meets error diagnosis in logic programs. *Lecture Notes in Computer Science*, 749:85–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fromherz:1993:TDD

[2317] Markus P. J. Fromherz. Towards declarative debugging of concurrent constraint programs. *Lecture Notes in Computer Science*, 749:88–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alagar:1993:HTD

[2318] Sridhar Alagar and S. Venkatesan. Hierarchy in testing distributed programs. *Lecture Notes in Computer Science*, 749:101–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nilsson:1993:LAD

[2319] Henrik Nilsson and Peter Fritzson. Lazy algorithmic debugging: Ideas for practical implementation. *Lecture Notes in Computer Science*, 749:117–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hazan:1993:LEF

[2320] Jonathan E. Hazan and Richard G. Morgan. The location of errors in functional programs. *Lecture Notes in Computer Science*, 749:135–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hirunkitti:1993:GQM

[2321] Visit Hirunkitti and C. J. Hogger. A generalized query minimization for program debugging. *Lecture Notes in Computer Science*, 749:153–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tobermann:1993:WTB

[2322] Gerhard Tobermann and Clemens Beckstein. What's in a trace: The box model revisited. *Lecture Notes in Computer Science*, 749:171–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Binks:1993:DDA

[2323] Dominic Binks. Declarative debugging of abstract data types in godel. *Lecture Notes in Computer Science*, 749: 188–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ball:1993:SPA

[2324] Thomas Ball and Susan Horwitz. Slicing programs with arbitrary control flow. *Lecture Notes in Computer Science*, 749:206–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jingde:1993:SCP

[2325] Cheng Jingde. Slicing concurrent programs. *Lecture Notes in Computer Science*, 749:223–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tip:1993:AGP

[2326] Frank Tip. Animators for generated programming environments. *Lecture Notes in Computer Science*, 749:241–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garcia-Martin:1993:VDU

[2327] Julio Garcia-Martin and Juan J. Moreno-Navarro. Visualization as debugging: Understanding/debugging the Warren Abstract Machine. *Lecture Notes in Computer Science*, 749:255–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Westman:1993:GUI

[2328] Rickard Westman and Peter Fritzson. Graphical user interfaces for algorithmic debugging. *Lecture Notes in Computer Science*, 749:273–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lutz:1993:TPC

[2329] Rudi Lutz. Towards a plan calculus based intelligent debugging system. *Lecture Notes in Computer Science*, 749:287–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reiss:1993:TBD

[2330] Steven P. Reiss. Trace-based debugging. *Lecture Notes in Computer Science*, 749:305–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Korel:1993:IFM

[2331] Bogdan Korel. Identifying faulty modifications in software maintenance. *Lecture Notes in Computer Science*, 749:315–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goyal:1993:AFS

[2332] Anoop Goyal and Sriram Sankar. The application of formal specifications to software documentation and debugging. *Lecture Notes in Computer Science*, 749:333–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kuchcinski:1993:ADV

[2333] Krzysztof Kuchcinski, Wlodzimierz Drabent, and Jan Maluszynski. Automatic diagnosis of VLSI digital circuits using algorithmic debugging. *Lecture Notes in Computer Science*, 749:350–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jahne:1993:STI

[2334] Bernd Jahne. Spatio-temporal image processing. theory and scientific applications. *Lecture Notes in Computer Science*, 751:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Semmel:1993:DCC

[2335] Ralph D. Semmel. Discovering context in a conceptual schema. *Lecture Notes in Computer Science*, 752:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bach:1993:IIM

[2336] Jeffrey R. Bach, Santanu Paul, and Ramesh Jain. An interactive image management system for face information retrieval. *Lecture Notes in Computer Science*, 752:16–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alhajj:1993:QOO

[2337] Reda Alhajj and M. Erol Arkun. Queries in object-oriented database systems. *Lecture Notes in Computer Science*, 752:36–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Martin:1993:CCO

[2338] Herve Martin, Michel Adiba, and Bruno Defude. Consistency checking in object-oriented databases: A behavioral approach. *Lecture Notes in Computer Science*, 752:53–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Formica:1993:ICR

[2339] Anna Formica and Michele Missikoff. Integrity constraints representation in object-oriented databases. *Lecture Notes in Computer Science*, 752:69–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pissinou:1993:FTO

[2340] Niki Pissinou and Kia Makki. A framework for temporal object databases. *Lecture Notes in Computer Science*, 752:86–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Keen:1993:IDA

[2341] Debby Keen and Arcot Rajasekar. Inductive dependencies and approximate databases. *Lecture Notes in Computer Science*, 752:98–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Song:1993:OOD

[2342] Il-Yeol Song and E. K. Park. Object-oriented database design methodologies: A survey. *Lecture Notes in Computer Science*, 752:115–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bodker:1993:HAC

[2343] S. Bodker. Historical analysis and conflicting perspectives — contextualizing HCI. *Lecture Notes in Computer Science*, 753:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brusilovsky:1993:SFH

[2344] P. Brusilovsky, I. Burmistrov, and V. Kaptelinin. Structuring the field of HCI. an empirical study of experts' representations. *Lecture Notes in Computer Science*, 753:11–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kameas:1993:CIS

[2345] A. Kameas, S. Papadimitriou, and G. Pavlides. Coupling interaction specification with functionality description. *Lecture Notes in Computer Science*, 753:21–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

MacGregor:1993:EHC

[2346] R. C. MacGregor. An extension to the human-computer interaction paradigm. *Lecture Notes in Computer Science*, 753:29–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Levin:1993:HCH

[2347] M. Sh. Levin. Hierarchical components of human-computer systems. *Lecture Notes in Computer Science*, 753:37–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mayo:1993:SOS

[2348] K. A. Mayo and H. R. Hartson. Synthesis-oriented situational analysis in user interface design. *Lecture Notes in Computer Science*, 753:53–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boeve:1993:WEW

[2349] E. Boeve, L. Barfield, and St. Pemberton. WYSIWYG editors: And what now? *Lecture Notes in Computer Science*, 753:68–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bodart:1993:AEH

[2350] F. Bodart, A.-M. Hennebert, J.-M. Leheureux, I. Sacre, and J. Vanderdonckt. Architecture elements for highly-interactive business-oriented applications. *Lecture Notes in Computer Science*, 753:83–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sutcliffe:1993:DMI

[2351] A. G. Sutcliffe and P. Faraday. Designing multimedia interfaces. *Lecture Notes in Computer Science*, 753:105–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Uzilevsky:1993:ISL

[2352] G. Uzilevsky and V. Andreev. Iconic signs and languages in user interface development. *Lecture Notes in Computer Science*, 753:115–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leung:1993:TMG

[2353] Y. K. Leung and M. D. Apperley. E^3: Towards the metrication of graphical presentation techniques for large data sets. *Lecture Notes in Computer Science*, 753:125–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tolsby:1993:NPL

[2354] H. Tolsby. Navigating in a process landscape. *Lecture Notes in Computer Science*, 753:141–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chalmers:1993:VCI

[2355] M. Chalmers. Visualisation of complex information. *Lecture Notes in Computer Science*, 753:152–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Patel:1993:TDV

[2356] U. K. Patel and A. G. Sutcliffe. Three-dimensional visualisation of knowledge structures: Prototyping for design evaluation. *Lecture Notes in Computer Science*, 753:163–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ushakov:1993:VPR

[2357] I. Ushakov and I. Velbitskiy. Visual programming in R-technology: Concepts, systems and perspectives. *Lecture Notes in Computer Science*, 753: 181–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Springett:1993:ISP

[2358] M. V. Springett, A. S. Grant, and A. G. Sutcliffe. Interface semantics and procedural knowledge: A study of novice understanding of MacDraw. *Lecture Notes in Computer Science*, 753:196–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leventhal:1993:PTB

[2359] L. M. Leventhal, B. M. Teasley, D. S. Rohlman, and K. Instone. Positive test bias in software testing among professionals. *Lecture Notes in Computer Science*, 753:210–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Salber:1993:AWO

[2360] D. Salber and J. Coutaz. Applying the Wizard of Oz technique to the study of multimodal systems. *Lecture Notes in Computer Science*, 753:219–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coutaz:1993:MFD

[2361] J. Coutaz, L. Nigay, and D. Salber. The MSM framework: A design space for multi-sensori-motor systems. *Lecture Notes in Computer Science*, 753:231–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoniol:1993:RRB

[2362] G. Antoniol, R. Fiutem, R. Flor, and G. Lazzari. Radiological reporting based on voice recognition. *Lecture Notes in Computer Science*, 753:242–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hubbard:1993:TID

[2363] C. Hubbard and J. H. Bradford. Task interference with a discrete word recognizer. *Lecture Notes in Computer Science*, 753:254–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamada:1993:MUU

[2364] K. Yamada, R. Mizoguchi, N. Harada, A. Nukuzuma, K. Ishimaru, and H. Furukawa. Model of utterance and its use in cooperative response generation. *Lecture Notes in Computer Science*, 753:260–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karshmer:1993:SCI

[2365] A. I. Karshmer and R. L. Oliver. Special computer interfaces for the visually handicapped: F.O.B. the manufacturer. *Lecture Notes in Computer Science*, 753:272–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Subbotin:1993:IPC

[2366] M. Subbotin and D. Subbotin. INTELTEXT: Producing coherent linear texts while navigating in large non-hierarchical hypertexts. *Lecture Notes in Computer Science*, 753:281–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Instone:1993:CEI

[2367] K. Instone, E. Brown, L. M. Leventhal, and B. M. Teasley. The challenge of effectively integrating graphics into hypertext. *Lecture Notes in Computer Science*, 753:290–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chelnokov:1993:CNH

[2368] V. M. Chelnokov and V. L. Zephyrova. Coherent navigation in hypertext environments: The SMIsC conception. *Lecture Notes in Computer Science*, 753:298–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berthome-Montoy:1993:GSA

[2369] A. Berthome-Montoy. Generating self-adaptive human-computer interfaces. *Lecture Notes in Computer Science*, 753:318–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cypher:1993:PUM

[2370] A. Cypher. The practical use of macro recording: A case study. *Lecture Notes in Computer Science*, 753:327–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Conway:1993:HSO

[2371] D. Conway. HyperLecture: A self-organizing lecture presentation and revision system. *Lecture Notes in Computer Science*, 753:334–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brusilovsky:1993:TAH

[2372] P. Brusilovsky, L. Pesin, and M. Zyryanov. Towards an adaptive hypermedia component for an intelligent learning environment. *Lecture Notes in Computer Science*, 753:348–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilson:1993:IIC

[2373] E. Wilson. An intelligent interface for computer assisted language learning. *Lecture Notes in Computer Science*, 753:359–??, 1993. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Derder:1993:SMA

[2374] A. Derder and C. Garbay. A system to model, assist and control the human observation of microscopic specimen. *Lecture Notes in Computer Science*, 753:371–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chernin:1993:DDA

[2375] A. Chernin. The "document-driven activity" approach to modelling and designing office automation systems. *Lecture Notes in Computer Science*, 753: 380–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Esch:1993:SCC

[2376] John W. Esch. The scope of coreference in conceptual graphs. *Lecture Notes in Computer Science*, 754:3–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moulin:1993:UWS

[2377] Bernard Moulin and Guy W. Mineau. Using world structures for factoring knowledge. *Lecture Notes in Computer Science*, 754:13–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mineau:1993:SKS

[2378] Guy W. Mineau. Sharing knowledge: Starting with the integration of vocabularies. *Lecture Notes in Computer Science*, 754:34–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cambell:1993:CGA

[2379] Linda Cambell and Peter Creasy. A conceptual graphs approach to information systems design. *Lecture Notes in Computer Science*, 754:46–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tepfenhart:1993:RKA

[2380] William M. Tepfenhart. Representing knowledge about substances. *Lecture Notes in Computer Science*, 754:59–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moulin:1993:RTK

[2381] Bernard Moulin. Representing temporal knowledge in discourse: an approach extending the conceptual graph theory. *Lecture Notes in Computer Science*, 754:72–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kocura:1993:TSI

[2382] Pavel Kocura. Towards a semantics of inchoative and causation events in conceptual graphs. *Lecture Notes in Computer Science*, 754:96–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Oh:1993:DED

[2383] Jonathan C. Oh and Stephen Graham. Does every difference make a difference? *Lecture Notes in Computer Science*, 754:113–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Delugach:1993:ESD

[2384] Harry S. Delugach. An exploration into semantic distance. *Lecture Notes in Computer Science*, 754:119–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bouaud:1993:RCG

[2385] Jacques Bouaud and Pierre Zweigenbaum. A reconstruction of conceptual graphs on top of a production system. *Lecture Notes in Computer Science*, 754:127–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Myaeng:1993:UHP

[2386] Sung H. Myaeng and Christopher Khoo. On uncertainty handling in plausible reasoning with conceptual graphs. *Lecture Notes in Computer Science*, 754:137–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Whipple:1993:EHE

[2387] Weldon Whipple. Expert humans and expert systems: Toward a unity of uncertain reasoning. *Lecture Notes in Computer Science*, 754:148–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garner:1993:KF

[2388] Brian John Garner and Dickson Lukose. Knowledge fusion. *Lecture Notes in Computer Science*, 754:158–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berg-Cross:1993:UCS

[2389] Gary Berg-Cross. Using conceptual structures to translate data models: Concepts, context and cognitive processes. *Lecture Notes in Computer Science*, 754:171–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wuwongse:1993:TDO

[2390] Vilas Wuwongse and Bikash C. Gosh. Towards deductive object-oriented databases based on conceptual graphs. *Lecture Notes in Computer Science*, 754:188–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Delugach:1993:ADI

[2391] Hary S. Delugach and Thomas H. Hinke. AERIE: Database inference modeling and detection using conceptual graphs. *Lecture Notes in Computer Science*, 754:206–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ellis:1993:BPC

[2392] Gerard Ellis and Robert Levinson. The birth of PEIRCE: A conceptual graphs workbench. *Lecture Notes in Computer Science*, 754:219–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chein:1993:SWD

[2393] M. Chein and M. L. Mugnier. Specialization: Where do the difficulties occur? *Lecture Notes in Computer Science*, 754:229–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mugnier:1993:PAP

[2394] M. L. Mugnier and M. Chein. Polynomial algorithms for projection and matching. *Lecture Notes in Computer Science*, 754:239–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gi-Chul:1993:CNC

[2395] Yang Gi-Chul, Bae Choi Young, and Jonathan C. Oh. CGMA: A novel conceptual graph matching algorithm. *Lecture Notes in Computer Science*, 754: 252–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wermelinger:1993:XWT

[2396] Michel Wermelinger and Jose Gabriel Lopes. An X-windows toolkit for knowledge acquisition and representation based on conceptual structures. *Lecture Notes in Computer Science*, 754:262–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mann:1993:ACG

[2397] Graham A. Mann. Assembly of conceptual graphs from natural language by means of multiple knowledge specialists. *Lecture Notes in Computer Science*, 754:275–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dogru:1993:STC

[2398] Sait Dogru and James R. Slagle. A system that translates conceptual structures into english. *Lecture Notes in Computer Science*, 754:283–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schroeder:1993:KBA

[2399] Martin Schroeder. Knowledge based analysis of radiology reports using conceptual graphs. *Lecture Notes in Computer Science*, 754:293–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hines:1993:OSI

[2400] Timothy R. Hines. Open systems interconnection abstract syntax notation: ASN.CG. *Lecture Notes in Computer Science*, 754:303–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Polovina:1993:BAB

[2401] Simon Polovina. Bridging accounting and business strategic planning using conceptual graphs. *Lecture Notes in Computer Science*, 754:312–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wu:1993:SPR

[2402] Zhaohui Wu, Bernardi Ansgar, and Klauck Christoph. Skeletal plans reuse: A restricted conceptual graph approach. *Lecture Notes in Computer Science*, 754:322–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moller:1993:I

[2403] Bernhard Möller, Helmut Partsch, and Steve Schuman. Introduction. *Lecture Notes in Computer Science*, 755:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Backhouse:1993:ERT

[2404] Roland Backhouse and Paul Hoogendijk. Elements of a relational theory of datatypes. *Lecture Notes in Computer Science*, 755:7–42, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bird:1993:DPG

[2405] Richard Bird and Oege de Moor. From dynamic programming to greedy algorithms. *Lecture Notes in Computer Science*, 755:43–61, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boyle:1993:PTF

[2406] James Boyle and Terence Harmer. Practical transformation of functional programs for efficient execution: a case study. *Lecture Notes in Computer Science*, 755:62–88, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feather:1993:BOS

[2407] Martin Feather. Behavior-oriented specification in Gist. *Lecture Notes in Computer Science*, 755:89–122, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moller:1993:DGP

[2408] Bernhard Möller. Derivation of graph and pointer algorithms. *Lecture Notes in Computer Science*, 755:123–160, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Morgan:1993:RCL

[2409] Carroll Morgan. The refinement calculus, and literate development. *Lecture Notes in Computer Science*, 755:161–182, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Partsch:1993:FPS

[2410] Helmut Partsch. Formal problem specification on an algebraic basis. *Lecture Notes in Computer Science*, 755:183–224, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pepper:1993:PDA

[2411] Peter Pepper. Program development in an algebraic setting. *Lecture Notes in Computer Science*, 755:225–262, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pettorossi:1993:RSP

[2412] Alberto Pettorossi and Maurizio Proietti. Rules and strategies for program transformation. *Lecture Notes in Computer Science*, 755:263–304, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sintzoff:1993:ET

[2413] Michel Sintzoff. Endomorphic typing. *Lecture Notes in Computer Science*, 755:305–323, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smith:1993:ADA

[2414] Douglas Smith. Automating the design of algorithms. *Lecture Notes in Computer Science*, 755:324–354, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Swierstra:1993:VDS

[2415] Doaitse Swierstra and Oege de Moor. Virtual data structures. *Lecture Notes in Computer Science*, 755:355–371, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kim:1993:CHP

[2416] W. Kim and G. Agha. Compilation of a highly parallel actor-based language. *Lecture Notes in Computer Science*, 757:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sarkar:1993:CES

[2417] V. Sarkar. A concurrent execution semantics for parallel program graphs and program dependence graphs. *Lecture Notes in Computer Science*, 757: 16–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1993:UPI

[2418] W. Chen, R. Bringmann, S. Mahlke, S. Anik, T. Kiyohara, N. Warter, D. Lavery, W.-M. Hwu, R. Hank, and J. Gyllenhaal. Using profile information to assist advanced compiler optimization and scheduling. *Lecture Notes in Computer Science*, 757:31–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brownhill:1993:HPC

[2419] C. Brownhill and A. Nicolau. A hierarchical parallelizing compiler for VLIW/MIMD machines. *Lecture Notes in Computer Science*, 757:49–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Peterson:1993:DDA

[2420] P. Peterson and D. Padua. Dynamic dependence analysis: A novel method for data dependence evaluation. *Lecture Notes in Computer Science*, 757:64–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Solworth:1993:FDP

[2421] J. Solworth. On the feasibility of dynamic partitioning of pointer structures. *Lecture Notes in Computer Science*, 757:82–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

vonHanxleden:1993:CAI

[2422] R. von Hanxleden, K. Kennedy, C. Koelbel, R. Das, and J. Saltz. Compiler analysis for irregular problems in Fortran D. *Lecture Notes in Computer Science*, 757:97–111, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lin:1993:DEO

[2423] C. Lin and L. Snyder. Data ensembles in Orca C. *Lecture Notes in Computer Science*, 757:112–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chandy:1993:CCC

[2424] K. Mani Chandy and C. Kesselman. Compositional C++: Compositional parallel programming. *Lecture Notes in Computer Science*, 757:124–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carriero:1993:DPL

[2425] N. Carriero and D. Gelernter. Data parallelism and linda. *Lecture Notes in Computer Science*, 757:145–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chien:1993:TEE

[2426] A. Chien, W. Feng, V. Karamcheti, and J. Plevyak. Techniques for efficient execution of fine-grained concurrent programs. *Lecture Notes in Computer Science*, 757:160–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jeremiassen:1993:CPP

[2427] T. Jeremiassen and S. Eggers. Computing per-process summary side-effect information. *Lecture Notes in Computer Science*, 757:175–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rogers:1993:SSE

[2428] A. Rogers, J. Reppy, and L. Hendren. Supporting SPMD execution for dynamic data structures. *Lecture Notes in Computer Science*, 757:192–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Appelbe:1993:DTS

[2429] W. Appelbe and K. Smith. Determining transformation sequences for loop parallelization. *Lecture Notes in Computer Science*, 757:208–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1993:COM

[2430] M. Chen and Y. Hu. Compiler optimizations for massively parallel machines: Transformations on iterative spatial loops. *Lecture Notes in Computer Science*, 757:223–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chapman:1993:HDD

[2431] B. Chapman, H. Zima, and P. Mehrotra. Handling distributed data in Vienna Fortran procedures. *Lecture Notes in Computer Science*, 757:248–263, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gupta:1993:SPP

[2432] S. Gupta, C.-H. Huang, P. Sadayappan, and R. Johnson. On the synthesis of parallel programs from tensor product formulas for block recursive algorithms. *Lecture Notes in Computer Science*, 757:264–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gao:1993:CLF

[2433] G. Gao, R. Olsen, V. Sarkar, and R. Thekkath. Collective loop fusion for array contraction. *Lecture Notes in Computer Science*, 757:281–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lee:1993:PHD

[2434] Y.-F. Lee and B. Ryder. Parallel hybrid data flow algorithms. *Lecture Notes in Computer Science*, 757:296–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dietz:1993:CPP

[2435] H. Dietz and W. Cohen. A control-parallel programming model implemented on SIMD hardware. *Lecture Notes in Computer Science*, 757:311–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Larus:1993:LGO

[2436] J. Larus. *C***: A large-grain, object-oriented, data-parallel programming language. *Lecture Notes in Computer Science*, 757:326–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hankin:1993:CGP

[2437] C. Hankin, D. LeMetayer, and D. Sands. A calculus of gamma programs. *Lecture Notes in Computer Science*, 757:342–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ciancarini:1993:LBR

[2438] P. Ciancarini. A Linda-based runtime system for a distributed logic language. *Lecture Notes in Computer Science*, 757:356–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lempel:1993:PCD

[2439] O. Lempel, S. Pinter, and E. Turiel. Parallelizing a C dialect for distributed memory MIMD machines. *Lecture Notes in Computer Science*, 757:369–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Li:1993:SLT

[2440] W. Li and K. Pingali. A singular loop transformation framework based on non-singular matrices. *Lecture Notes in Computer Science*, 757:391–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hendren:1993:DMC

[2441] L. Hendren, C. Donawa, M. Emami, G. Gao, Justiani, and B. Sridharan. Designing the McCAT compiler based on a family of structured intermediate representations. *Lecture Notes in Computer Science*, 757:406–420, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wolfe:1993:DJA

[2442] M. Wolfe. Doany: Not just another parallel loop. *Lecture Notes in Computer Science*, 757:421–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maydan:1993:DDD

[2443] D. Maydan, S. Amarsinghe, and M. Lam. Data dependence and data-flow analysis of arrays. *Lecture Notes in Computer Science*, 757:434–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Netzer:1993:ETR

[2444] R. Netzer and B. Miller. Experience with techniques for refining data race detection. *Lecture Notes in Computer Science*, 757:449–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klappholz:1993:EBW

[2445] D. Klappholz and X. Kong. Extending the Banerjee-Wolfe test to handle execution conditions. *Lecture Notes in Computer Science*, 757:464–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yasue:1993:FCM

[2446] T. Yasue, H. Yamana, and Y. Muraoka. A FORTRAN compiling method for dataflow machines and its prototype compiler for the parallel processing system — harray. *Lecture Notes in Computer Science*, 757:482–496, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Duesterwald:1993:DSP

[2447] E. Duesterwald and R. Gupta. Distributed slicing and partial reexecution for distributed programs. *Lecture Notes in Computer Science*, 757:497–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harrison:1993:PEV

[2448] W. Harrison and Z. Ammarguellat. A program's eye view of Miprac. *Lecture Notes in Computer Science*, 757:512–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haghighat:1993:SPA

[2449] M. Haghighat and C. Polychronopoulos. Symbolic program analysis and optimization for parallelizing compilers. *Lecture Notes in Computer Science*, 757:538–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hinrichs:1993:UNC

[2450] S. Hinrichs and T. Gross. Utilizing new communication features in compilation for private-memory machines. *Lecture Notes in Computer Science*, 757:563–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Teillaud:1993:TDR

[2451] Monique Teillaud. Towards dynamic randomized algorithms in computational geometry. *Lecture Notes in Computer Science*, 758:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gehani:1993:CSC

[2452] N. Gehani, H. V. Jagadish, and O. Shmueli. COMPOSE: A system for composite specification and detection. *Lecture Notes in Computer Science*, 759:3–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertino:1993:ACO

[2453] E. Bertino, S. Jajodia, and P. Samarati. Access controls in OO database systems — some approaches and issues. *Lecture Notes in Computer Science*, 759:17–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vadaparty:1993:DPN

[2454] K. Vadaparty and S. Naqvi. The decomposition property of non-deterministic databases. *Lecture Notes in Computer Science*, 759:45–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sheu:1993:AOB

[2455] P. C.-Y. Sheu and L. Peterson. The architectures of an object base environment for simulation. *Lecture Notes in Computer Science*, 759:65–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bhargava:1993:TRO

[2456] Bharat K. Bhargava, Yin he Jiang, Jagannathan Srinivasan, and Prasun Dewan. Transition from a relation to object model implementation. *Lecture Notes in Computer Science*, 759:87–103, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Su:1993:OOK

[2457] S. Y. W. Su and Y. Shyy. An object-oriented knowledge model for KBMS-Supported evolutionary prototyping of software systems. *Lecture Notes in Computer Science*, 759:105–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Subramanian:1993:AOD

[2458] R. Subramanian and N. R. Adam. Applying OOAD in the design and implementation of an intelligent geographic information system. *Lecture Notes in Computer Science*, 759:127–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clifford:1993:ID

[2459] J. Clifford. Indexical databases. *Lecture Notes in Computer Science*, 759: 153–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Elmasri:1993:TQL

[2460] R. Elmasri and V. Kouramajian. A temporal query language for a conceptual model. *Lecture Notes in Computer Science*, 759:175–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Segev:1993:DMT

[2461] A. Segev and R. Chandra. A data model for time-series analysis. *Lecture Notes in Computer Science*, 759:191–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gadia:1993:RMS

[2462] S. K. Gadia and V. Chopra. A relational model and SQL-like query language for spatial databases. *Lecture Notes in Computer Science*, 759:213–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yu:1993:PQP

[2463] P. S. Yu, M.-S. Chen, J. L. Wolf, and J. Turek. Parallel query processing. *Lecture Notes in Computer Science*, 759:229–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Flater:1993:TFD

[2464] D. W. Flater and Y. Yesha. Towards flexible distributed information retrieval. *Lecture Notes in Computer Science*, 759:259–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tewari:1993:EPR

[2465] R. Tewari. Efficient parallel recovery in replicated databases. *Lecture Notes in Computer Science*, 759:277–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Siegelmann:1993:DAM

[2466] H. T. Siegelmann and O. Frieder. Document allocation in multiprocessor information retrieval systems. *Lecture Notes in Computer Science*, 759:289–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Franchitti:1993:ATC

[2467] J.-C. Franchitti and R. King. Amalgame: A tool for creating interoperating, persistent, heterogeneous components. *Lecture Notes in Computer Science*, 759:313–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karabatis:1993:CEM

[2468] G. Karabatis, M. Rusinkiewicz, and A. Sheth. Correctness and enforcement of multidatabase interdependencies. *Lecture Notes in Computer Science*, 759:337–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andersson:1993:FFM

[2469] M. Andersson, Y. Dupont, S. Spaccapietra, K. Yetongnon, M. Tresch, and H. Ye. FEMUS: A federated multilingual database system. *Lecture Notes in Computer Science*, 759:359–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Browne:1993:CSI

[2470] S. Browne. Communication and synchronization issues in distributed multimedia database systems. *Lecture Notes in Computer Science*, 759:381–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ghafoor:1993:MDS

[2471] A. Ghafoor and P. B. Berra. Multimedia database systems. *Lecture Notes in Computer Science*, 759:397–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anonymous:1993:B

[2472] Anonymous. Bibliography. *Lecture Notes in Computer Science*, 759:413–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Maier:1993:TPO

[2473] D. Maier and J. B. Cushing. Treating programs as objects: The computational proxy experience. *Lecture Notes in Computer Science*, 760:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gelder:1993:FAD

[2474] A. V. Gelder. Foundations of aggregation in deductive databases. *Lecture Notes in Computer Science*, 760:13–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kostler:1993:DFO

[2475] G. Kostler, W. KieBling, H. Thone, and U. Guntzer. The differential fixpoint operator with subsumption. *Lec-*

ture Notes in Computer Science, 760: 35–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Corciulo:1993:DND

[2476] L. Corciulo, F. Giannotti, and D. Pedreschi. Datalog with non-deterministic choice computes NDB-PTIME. *Lecture Notes in Computer Science*, 760:49–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caseau:1993:DOO

[2477] Y. Caseau, P-Y. Guillo, and E. Levenez. A deductive and object-oriented approach to a complex scheduling problem. *Lecture Notes in Computer Science*, 760:67–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lakshmanan:1993:LFS

[2478] L. V. S. Lakshmanan, F. Sadri, and I. N. Subramanian. On the logical foundations of schema integration and evolution in heterogeneous database systems. *Lecture Notes in Computer Science*, 760:81–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arora:1993:EPE

[2479] T. Arora, R. Ramakrishnan, W. G. Roth, P. Seshadri, and D. Srivastava. Explaining program execution in deductive systems. *Lecture Notes in Computer Science*, 760:101–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coburn:1993:LRB

[2480] N. Coburn and G. E. Weddell. A logic for rule-based query optimization in graph-based data models. *Lecture Notes in Computer Science*, 760:120–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fegaras:1993:SRB

[2481] L. Fegaras, D. Maier, and T. Sheard. Specifying rule-based query optimizers in a reflective framework. *Lecture Notes in Computer Science*, 760:146–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yoon:1993:SQO

[2482] J. P. Yoon and L. Kerschberg. Semantic query optimization in deductive object-oriented databases. *Lecture Notes in Computer Science*, 760:169–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ramakrishnan:1993:RDO

[2483] R. Ramakrishnan. Research in deductive and object-oriented databases. *Lecture Notes in Computer Science*, 760:183–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ramamohanarao:1993:IOA

[2484] K. Ramamohanarao. An implementation overview of the Aditi deductive database system. *Lecture Notes in Computer Science*, 760:184–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zaniolo:1993:NAR

[2485] C. Zaniolo, N. Arni, and K. Ong. Negation and aggregates in recursive rules: The LDL++Approach. *Lecture Notes in Computer Science*, 760:204–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Atzeni:1993:IDL

[2486] P. Atzeni, L. Cabibbo, and G. Mecca. ISALOG -: A deductive language with negation for complex-object databases with hierarchies. *Lecture Notes in Computer Science*, 760:222–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1993:ERI

[2487] X. Zhang and Z. M. Ozsoyoglu. On efficient reasoning with implication constraints. *Lecture Notes in Computer Science*, 760:236–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brass:1993:BQE

[2488] S. Brass and U. W. Lipeck. Bottom-up query evaluation with partially ordered defaults. *Lecture Notes in Computer Science*, 760:253–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VandenBussche:1993:EPE

[2489] J. Van den Bussche and G. Vossen. An extension of path expressions to simplify navigation in object-oriented queries. *Lecture Notes in Computer Science*, 760:267–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Staudt:1993:QC

[2490] M. Staudt, M. Jarke, M. A. Jeusfeld, and H. W. Nissen. Query classes. *Lecture Notes in Computer Science*, 760: 283–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Laurent:1993:DUR

[2491] D. Laurent, V. Phan Luong, and N. Spyratos. Database updating revisited. *Lecture Notes in Computer Science*, 760:296–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Konomi:1993:SKC

[2492] S. Konomi, T. Furukawa, and Y. Kambayashi. Super-key classes for updating materialized derived classes in object bases. *Lecture Notes in Computer Science*, 760:310–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dietrich:1993:ADO

[2493] S. W. Dietrich. Applications of deductive and object-oriented databases. *Lecture Notes in Computer Science*, 760:327–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Manthey:1993:BDD

[2494] Rainer Manthey. Beyond data dictionaries: Towards a reflective architecture of intelligent database systems. *Lecture Notes in Computer Science*, 760:328–339, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bal:1993:DTO

[2495] R. Bal and H. Balsters. A deductive and typed object-oriented language. *Lecture Notes in Computer Science*, 760:340–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mumick:1993:NLD

[2496] I. S. Mumick and K. A. Ross. Noodle: A language for declarative querying in an object-oriented database. *Lecture Notes in Computer Science*, 760: 360–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mattox:1993:TCD

[2497] D. Mattox, K. Smith, and S. C. Y. Lu. Tracking causal dependencies in an active object-oriented database. *Lecture Notes in Computer Science*, 760:379–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Elmasri:1993:ACM

[2498] R. Elmasri, S. James, and V. Kouramajian. Automatic class and method generation for object-oriented databases. *Lecture Notes in Computer Science*, 760:395–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertino:1993:MME

[2499] E. Bertino and S. Jajodia. Modeling multilevel entities using single level objects. *Lecture Notes in Computer Science*, 760:415–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Koh:1993:MUC

[2500] T. W. Koh, B. C. Ooi, and Y. S. Ho. A model using classes as a basic organization tool. *Lecture Notes in Computer Science*, 760:429–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yuan:1993:KBR

[2501] L. Y. Yuan and J-H. You. Knowledge base revision using circumscription. *Lecture Notes in Computer Science*, 760:444–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kesim:1993:VOD

[2502] F. N. Kesim and M. Sergot. Versioning of objects in deductive databases. *Lecture Notes in Computer Science*, 760: 459–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dobbie:1993:MSM

[2503] G. Dobbie and R. Topor. A model for sets and multiple inheritance in deductive object-oriented systems. *Lecture Notes in Computer Science*, 760:473–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hartmanis:1993:SOA

[2504] J. Hartmanis. Some observations about the nature of computer science. *Lecture Notes in Computer Science*, 761:1–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

vanBakel:1993:EIT

[2505] S. van Bakel. Essential intersection type assignment. *Lecture Notes in Computer Science*, 761:13–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ait-Kaci:1993:LSL

[2506] H. Ait-Kaci and J. Garrigue. Label-selective lambda-calculus syntax and confluence. *Lecture Notes in Computer Science*, 761:24–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barendsen:1993:CUT

[2507] E. Barendsen and S. Smetsers. Conventional and uniqueness typing in graph rewrite systems. *Lecture Notes in Computer Science*, 761:41–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castagna:1993:MLT

[2508] G. Castagna. A meta-language for typed object-oriented languages. *Lecture Notes in Computer Science*, 761: 52–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berry:1993:PCS

[2509] G. Berry. Preemption in concurrent systems. *Lecture Notes in Computer Science*, 761:72–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kulkarni:1993:LVN

[2510] S. R. Kulkarni, S. K. Mitter, T. J. Richardson, and J. N. Tsitsiklis. Local versus non-local computation of length of digitized curves. *Lecture Notes in Computer Science*, 761:94–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lange:1993:DIP

[2511] K.-J. Lange and R. Niedermeier. Data-independences of parallel random access machines. *Lecture Notes in Computer Science*, 761:104–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aguzzi:1993:PTL

[2512] G. Aguzzi and U. Modigliani. Proving termination of logic programs by transforming them into equivalent term rewriting systems. *Lecture Notes in Computer Science*, 761:114–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rao:1993:CHC

[2513] M. R. K. Krishna Rao. Completeness of hierarchical combinations of term rewriting systems. *Lecture Notes in Computer Science*, 761:125–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dershowitz:1993:HOS

[2514] N. Dershowitz and S. Mitra. Higher-order and semantic unification. *Lecture Notes in Computer Science*, 761: 139–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Basin:1993:CEF

[2515] D. Basin and S. Matthews. A conservative extension of first-order logic and its applications to theorem proving. *Lecture Notes in Computer Sci-*

ence, 761:151–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stuckey:1993:WFO

[2516] P. J. Stuckey and S. Sudarshan. Well-founded ordered search. *Lecture Notes in Computer Science*, 761:161–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ramakrishna:1993:RTI

[2517] Y. S. Ramakrishna, L. K. Dillon, L. E. Moser, P. M. Melliar-Smith, and G. Kutty. A real-time interval logic and its decision procedure. *Lecture Notes in Computer Science*, 761:173–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fages:1993:SOP

[2518] F. Fages. On the semantics of optimization predicates in CLP languages. *Lecture Notes in Computer Science*, 761: 193–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ramachandran:1993:IAC

[2519] V. Ramachandran and P. V. Hentenryck. Incremental algorithms for constraint solving and entailment over rational trees. *Lecture Notes in Computer Science*, 761:205–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guha:1993:PPV

[2520] S. Guha and I. Suzuki. Proximity problems and the Voronoi diagram on a rectilinear plane with rectangular obstacles. *Lecture Notes in Computer Science*, 761:218–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Asberg:1993:FDS

[2521] B. Asberg, G. Blanco, P. Bose, J. Garcia-Lopez, M. Overmars, G. Toussaint, G. Wilfong, and B. Zhu. Feasibility of design in stereolithography. *Lecture Notes in Computer Science*, 761:228–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Radhakrishnan:1993:CLP

[2522] V. Radhakrishnan, S. O. Krumke, M. V. Marathe, D. J. Rosenkrantz, and S. S. Ravi. Compact location problems. *Lecture Notes in Computer Science*, 761:238–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Halldorsson:1993:SCC

[2523] M. M. Halldorsson, J. Radhakrishnan, and K. V. Subrahmanyam. On some communication complexity problems related to threshold functions. *Lecture Notes in Computer Science*, 761:248–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cucker:1993:RCN

[2524] F. Cucker and F. Rossello. Recursiveness over the complex numbers is time-bounded. *Lecture Notes in Computer Science*, 761:260–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mulmuley:1993:LBS

[2525] K. Mulmuley. A lower bound for solvability of polynomial equations. *Lecture Notes in Computer Science*, 761: 268–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reif:1993:RPS

[2526] W. Reif and K. Stenzel. Reuse of proofs in software verification. *Lecture Notes in Computer Science*, 761:284–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Norvell:1993:ISI

[2527] T. S. Norvell. Induce-statements and induce-expressions: Constructs for inductive programming. *Lecture Notes in Computer Science*, 761:294–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoine:1993:GLB

[2528] C. Antoine, B. Le Goff, and J.-E. Pin. A graphic language based on timing diagrams. *Lecture Notes in Computer Science*, 761:306–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Narasimhan:1993:STI

[2529] R. Narasimhan. Software technology: Integrating theory and practice. *Lecture Notes in Computer Science*, 761: 317–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bacchus:1993:GDB

[2530] F. Bacchus, A. J. Grove, J. Y. Halpern, and D. Koller. Generating degrees of belief from statistical information: An overview. *Lecture Notes in Computer Science*, 761:318–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cheng:1993:CRS

[2531] A. Cheng, J. Esparza, and J. Palsberg. Complexity results for 1-safe nets. *Lecture Notes in Computer Science*, 761:326–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Janin:1993:SRA

[2532] D. Janin. Some results about logical descriptions of non-deterministic behaviours. *Lecture Notes in Computer Science*, 761:338–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Janicki:1993:OSG

[2533] R. Janicki and M. Koutny. Order structures and generalisations of Szpilrajn's theorem. *Lecture Notes in Computer Science*, 761:348–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kumar:1993:IRA

[2534] K. N. Kumar and P. K. Pandya. ICSP and its relationship with ACSP and CSP. *Lecture Notes in Computer Science*, 761:358–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Honda:1993:RBP

[2535] K. Honda and N. Yoshida. On reduction-based process semantics. *Lecture Notes in Computer Science*, 761:373–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mukund:1993:KTL

[2536] M. Mukund and M. Sohoni. Keeping track of the latest gossip: Bounded time-stamps suffice. *Lecture Notes in Computer Science*, 761:388–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aggarwal:1993:TOS

[2537] S. Aggarwal and S. Kutten. Time optimal self-stabilizing spanning tree algorithms. *Lecture Notes in Computer Science*, 761:400–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pujari:1993:EAS

[2538] A. K. Pujari. Efficient algorithm to sort linear combinations of arrays. *Lecture Notes in Computer Science*, 761: 411–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vaishnavi:1993:SFS

[2539] V. K. Vaishnavi and D. Khanna. A simple file structure for the weighted dictionary problem. *Lecture Notes in Computer Science*, 761:419–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dubhashi:1993:SSR

[2540] D. P. Dubhashi, K. Mehlhorn, D. Ranjan, and C. Thiel. Searching, sorting and randomised algorithms for central elements and ideal counting in posets. *Lecture Notes in Computer Science*, 761:436–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bhattacharyya:1993:LCR

[2541] P. Bhattacharyya and G. Nagaraja. Learning classes of regular and linear languages in Valiant's learnability framework. *Lecture Notes in Computer Science*, 761:444–??, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeBerg:1993:RGD

[2542] M. De Berg, L. Guibas, D. Halperin, and M. Overmars. Reaching a goal with directional uncertainty. *Lecture Notes in Computer Science*, 762:1–10, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Das:1993:CDS

[2543] G. Das and P. J. Heffernan. Constructing degree-3 spanners with other sparseness properties. *Lecture Notes in Computer Science*, 762:11–20, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dobrindt:1993:RCH

[2544] K. Dobrindt and M. Yvinec. Remembering conflicts in history yields dynamic algorithms. *Lecture Notes in Computer Science*, 762:21–30, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Furer:1993:CRG

[2545] M. Furer, C. R. Subramanian, and C. E. Veni Madhavan. Coloring random graphs in polynomial expected time. *Lecture Notes in Computer Science*, 762:31–37, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Asano:1993:GDS

[2546] T. Asano. Graphical degree sequence problems with connectivity requirements. *Lecture Notes in Computer Science*, 762:38–47, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dai:1993:HTD

[2547] Y. Dai, H. Imai, K. Iwano, and N. Katoh. How to treat delete requests in semi-online problems. *Lecture Notes in Computer Science*, 762:48–57, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carlsson:1993:FSW

[2548] S. Carlsson, H. Jonsson, and B. J. Nilsson. Finding the shortest watchman route in a simple polygon. *Lecture Notes in Computer Science*, 762:58–67, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tan:1993:CSW

[2549] X. Tan and T. Hirata. Constructing shortest watchman routes by divide-and-conquer. *Lecture Notes in Computer Science*, 762:68–77, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoffmann:1993:GCR

[2550] F. Hoffmann and K. Kriegel. A graph coloring result and its consequences for some guarding problems. *Lecture Notes in Computer Science*, 762:78–87, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dessmark:1993:MDD

[2551] A. Dessmark, K. Jansen, and A. Lingas. The maximum k-dependent and f-dependent set problem. *Lecture Notes in Computer Science*, 762:88–97, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takahashi:1993:FSN

[2552] J.-Y. Takahashi, H. Suzuki, and T. Nishizeki. Finding shortest non-crossing rectilinear paths in plane regions. *Lecture Notes in Computer Science*, 762:98–107, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kloks:1993:TCG

[2553] T. Kloks. Treewidth of circle graphs. *Lecture Notes in Computer Science*, 762:108–117, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1993:FCH

[2554] C. Chen. A framework for constructing heap-like structures in-place. *Lecture Notes in Computer Science*, 762:118–127, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Khoong:1993:DEB

[2555] C. M. Khoong and H. W. Leong. Double-ended binomial queues. *Lecture Notes in Computer Science*, 762:128–137, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fleischer:1993:SBS

[2556] R. Fleischer. A simple balanced search tree with $O(1)$ worst-case update time. *Lecture Notes in Computer Science*, 762:138–146, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Oehring:1993:MDD

[2557] S. R. Oehring and S. K. Das. Mapping dynamic data and algorithm structures into product networks. *Lecture Notes in Computer Science*, 762:147–156, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cogolludo:1993:PRR

[2558] J. C. Cogolludo and S. Rajasekaran. Permutation routing on reconfigurable meshes. *Lecture Notes in Computer Science*, 762:157–166, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grammatikakis:1993:AOA

[2559] M. D. Grammatikakis, D. F. Hsu, and F. K. Hwang. Adaptive and oblivious algorithms for D-cube permutation routing. *Lecture Notes in Computer Science*, 762:167–175, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Srivastav:1993:QLA

[2560] A. Srivastav and P. Stangier. On quadratic lattice approximations. *Lecture Notes in Computer Science*, 762:176–184, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fujito:1993:AMM

[2561] T. Fujito. A 2/3-approximation of the matroid matching problem. *Lecture Notes in Computer Science*, 762:185–190, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dube:1993:UFG

[2562] S. Dube. Using fractal geometry for solving divide-and-conquer recurrences. *Lecture Notes in Computer Science*, 762:191–200, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ruskey:1993:SCG

[2563] F. Ruskey. Simple combinatorial gray codes constructed by reversing sublists. *Lecture Notes in Computer Science*, 762:201–208, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Borodin:1993:TST

[2564] A. Borodin. Time-space tradeoffs. *Lecture Notes in Computer Science*, 762:209–220, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leung:1993:SEA

[2565] H. Leung. Separating exponentially ambiguous NFA from polynomially

ambiguous NFA. *Lecture Notes in Computer Science*, 762:221–229, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Han:1993:TCC

[2566] Y. Han, L. A. Hemaspaandra, and T. Thierauf. Threshold computation and cryptographic security. *Lecture Notes in Computer Science*, 762:230–239, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Niedermeier:1993:PRW

[2567] R. Niedermeier and P. Rossmanith. On the power of reading and writing simultaneously in parallel computations. *Lecture Notes in Computer Science*, 762:240–249, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Book:1993:RCC

[2568] R. V. Book. Relativizing complexity classes with random oracles. *Lecture Notes in Computer Science*, 762:250–258, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liestman:1993:PG

[2569] A. L. Liestman and D. Richards. Perpetual gossiping. *Lecture Notes in Computer Science*, 762:259–266, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ikeda:1993:PSN

[2570] T. Ikeda. A probabilistic selection network with butterfly networks. *Lecture Notes in Computer Science*, 762:267–276, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fujita:1993:OGG

[2571] S. Fujita, M. Yamashita, and T. Ae. Optimal group gossiping in hypercubes under wormhole routing model. *Lecture Notes in Computer Science*, 762:277–286, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bitan:1993:OLB

[2572] S. Bitan and S. Zaks. Optimal linear broadcast routing with capacity limitations. *Lecture Notes in Computer Science*, 762:287–296, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Awerbuch:1993:SRA

[2573] B. Awerbuch and T. Leighton. A survey of recent advances in multicommodity flow: Algorithms and applications. *Lecture Notes in Computer Science*, 762:297–302, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

He:1993:PCC

[2574] X. He and M.-Y. Kao. Parallel construction of canonical ordering and convex drawing of triconnected planar graphs. *Lecture Notes in Computer Science*, 762:303–312, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Asano:1993:NTH

[2575] T. Asano and N. Katoh. Number theory helps line detection in digital images. *Lecture Notes in Computer Science*, 762:313–322, 1993. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1993:OCS

[2576] D. Z. Chen. Optimally computing the shortest weakly visible subedge of a simple polygon. *Lecture Notes in Computer Science*, 762:323–332, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weihe:1993:MFE

[2577] K. Weihe. Multicommodity flows in even, planar networks. *Lecture Notes in Computer Science*, 762:333–342, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ripphausen-Lipa:1993:LTA

[2578] H. Ripphausen-Lipa, D. Wagner, and K. Weihe. Linear time algorithms for disjoint two-face paths. *Lecture Notes in Computer Science*, 762:343–352, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Deng:1993:RMF

[2579] X. Deng and A. Mirzaian. Robot mapping: Foot-prints vs tokens. *Lecture Notes in Computer Science*, 762:353–362, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yannakakis:1993:RDA

[2580] M. Yannakakis. Recent developments in the approximability of combinatorial problems. *Lecture Notes in Computer Science*, 762:363–368, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Okamoto:1993:RAC

[2581] T. Okamoto. On the relationship among cryptographic physical assumptions. *Lecture Notes in Computer Science*, 762:369–378, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meinel:1993:SCC

[2582] C. Meinel and S. Waack. Separating complexity classes related to bounded alternating w-branching programs. *Lecture Notes in Computer Science*, 762:379–388, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tani:1993:COV

[2583] S. Tani, K. Hamaguchi, and S. Yajima. The complexity of the optimal variable ordering problems of shared binary decision diagrams. *Lecture Notes in Computer Science*, 762:389–398, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kavvadias:1993:HEH

[2584] D. Kavvadias, C. H. Papadimitriou, and M. Sideri. On horn envelopes and hypergraph transversals. *Lecture Notes in Computer Science*, 762:399–405, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chrobak:1993:PMA

[2585] M. Chrobak, L. L. Larmore, N. Reingold, and J. Westbrook. Page migration algorithms using work functions. *Lecture Notes in Computer Science*, 762:406–415, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feuerstein:1993:MPC

[2586] E. Feuerstein and A. Marchetti-Spaccamela. Memory paging for connectivity and path problems in graphs. *Lecture Notes in Computer Science*, 762:416–425, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

ChiKwongHui:1993:RCA

[2587] L. Chi Kwong Hui and C. U. Martel. Randomized competitive algorithms for successful and unsuccessful search on self-adjusting linear lists. *Lecture Notes in Computer Science*, 762:426–435, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Koga:1993:RLA

[2588] H. Koga. Randomized on-line algorithms for the page replication problem. *Lecture Notes in Computer Science*, 762:436–445, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hambrusch:1993:NAM

[2589] S. E. Hambrusch and H.-Y. T. Tu. New algorithms for minimizing the longest wire length during circuit compaction. *Lecture Notes in Computer Science*, 762:446–455, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Greenberg:1993:PAS

[2590] R. I. Greenberg, S.-C. Hung, and J.-D. Shih. Parallel algorithms for single-layer channel routing. *Lecture Notes in Computer Science*, 762:456–465, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aggarwal:1993:CIQ

[2591] A. Aggarwal and T. Tokuyama. Consecutive interval query and dynamic programming on intervals. *Lecture Notes in Computer Science*, 762:466–475, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aggarwal:1993:IAT

[2592] A. Aggarwal and T. Tokuyama. An improved algorithm for the Traveler's Problem. *Lecture Notes in Computer Science*, 762:476–485, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karuno:1993:VST

[2593] Y. Karuno, H. Nagamochi, and T. Ibaraki. Vehicle scheduling on a tree with release and handling times. *Lecture Notes in Computer Science*, 762:486–495, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lok:1993:SAC

[2594] Chan Chi Lok and G. Young. Scheduling algorithms for a chain-like task system. *Lecture Notes in Computer Science*, 762:496–505, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chang:1993:WIP

[2595] G. J. Chang, C. Pandu Rangan, and S. R. Coorg. Weighted independence perfect domination on cocomparability graphs. *Lecture Notes in Computer Science*, 762:506–514, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1993:PSA

[2596] D. P. Wang, N. F. Huang, H. S. Chao, and R. C. T. Lee. Plane sweep algorithms for the polygonal approximation problems with applications. *Lecture Notes in Computer Science*, 762:515–522, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cheng:1993:ORS

[2597] S.-W. Cheng, A. Lim, and C.-T. Wu. Optimal rectilinear Steiner tree for extremal point sets. *Lecture Notes in Computer Science*, 762:523–532, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Foessmeier:1993:FAA

[2598] U. Foessmeier, M. Kaufmann, and A. Zelikovsky. Faster approximation algorithms for the rectilinear Steiner tree problem. *Lecture Notes in Computer Science*, 762:533–542, 1993. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nitzberg:1993:FSD

[2599] M. (Mark) Nitzberg, David Mumford, and Takahiro Shiota. *Filtering, segmentation, and depth*, volume 662 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 1993. CODEN LNCSD9. ISBN 3-540-56484-5. ISSN 0302-9743 (print), 1611-3349 (electronic). vi + 143 pp. LCCN TA1634 .N58 1993.

Tanguiane:1993:APM

[2600] Andranick S. Tanguiane. *Artificial perception and music recognition*, volume 746 of *Lecture Notes in Artificial Intelligence and Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 1993. CODEN LNCSD9. ISBN 3-540-57394-1 (Berlin), 0-387-57394-1 (New York). ISSN 0302-9743 (print), 1611-3349 (electronic). xiv + 210 pp. LCCN ML74 .T36 1993.

Pieprzyk:1993:DHA

[2601] Josef Pieprzyk and Babak Sadeghiyan. *Design of hashing algorithms*, volume 756 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 1993. CODEN LNCSD9. ISBN 3-540-57500-6 (Berlin), 0-387-57500-6 (New York). ISSN 0302-9743 (print), 1611-3349 (electronic). xiii + 194 pp. LCCN QA76.9.H36 P53 1993.