

A Bibliography of Publications in the *International Journal of Computer and Information Sciences*

Nelson H. F. Beebe
Center for Scientific Computing
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: +1 801 585 1640, +1 801 581 4148

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

28 February 2002
Version 1.03

Title word cross-reference 68 [CTW74].
75 [BMS74].
2 [Pro79, ZB81, Zak83]. 3 [ZB81, Zak83].
B [Vou84]. *d* [DS85]. *k* [DS85]. *m* [Iba78].
N [TL85]. ω [JT83a].
- [DS85, ZB81, Zak83]. **-languages** [JT83a].
-trees [Pro79].
0L [Roz73]. **0L-systems** [Roz73].
1 [Bus72, SKB77, WM72b].
2 [IA72]. **2-SLIDS** [IA72].
360 [BMS74]. **360/75** [BMS74].
abduction [Bro82]. **abstract** [Ell78, Vel82].
acceptor [ET79]. **acceptors** [San74].
accounting [Sch79]. **Ada** [Bis85].
Adaptive [LR80, Ang75, Kam75].
adders [YM84]. **addition** [Tha79].
addressed [Lip72]. **addressing** [Bis85].
AE1 [Hon85]. **aided** [BT85, IH74, SI81].
AL [WM72b]. **AL-1** [WM72b].
algebra [HK77, Muz77, Sta84, Sto79].
algebraic [Can76, Ras82a, Raś82b].
ALGOL [CTW74, TS72].
ALGOL-68 [CTW74]. **algorithm** [DI80,
ES85, Er84, GET76, Joh76, Lee82, Lee84,
MTC77, OT73, Sha81, SD79, SdV77].

Algorithmic [AFC79]. **Algorithms** [Lin74, YM80, YH84, AIR83, Hug72, Iba76, Iba78, IH74, LS80, LR80, SG72, TS72].
allocation [CL82, Dut85].
alphanumeric [DB78].
Analysis [Ell78, BP83, BH81, Hof78, Isc77, IAT85a, IAT85b, Kam75, LF82, MJ75, TP76].
analyzers [Mis72]. **analyzing** [DB78].
answer [Min77]. **answering** [MMF74].
apical [Sub85a, Sub85b].
apical-growth [Sub85a, Sub85b].
APL [Kat72]. **applicability** [Wey79].
Application [Bra83b, Bra83a, Kan74, Bab73, Dd77, EC79, Jai73, Pay73, Sta76, TF79].
Applications [Bow76, HK77, AR83, SM76].
applied [Iva73, MS74]. **approach** [AFC79, Bis85, BT85, HK85, Kat72, Lee83b, Ras82a, SS78, Tou80a, Tow80, Ra82b, YH84].
Approximate [Yag81, Hon85].
Approximation [BP83].
arbitrarily [Ros75].
arbitrary [BR81, Ros75].
Architectural [Bis85].
architecture [GG82]. **archivable** [Kos84].
arrays [Ros75]. **assertions** [BL81].
assignment [YW75a].
associated [Hug72, Jor77].
associations [Bra83b, Bra83a].
Associative [Wil72, WM72b].
attribute [Boc79, Bra83b, Bra83a, BR73, Nie84]. **attribute-oriented** [BR73].
attribute-relation [Bra83b, Bra83a].
auditing [HM82]. **authorization** [Min78].
automata [Dal75a, Dal75b, FK84, JS85a, JS85b, Lee83b, TA77, YM80, YH84, Yeh75].
automated [Jai73]. **Automatic** [Bie78, TG72, BD72, BD73, Sto79].
automaton [Hur84]. **auxiliary** [RG75].
availability [TP77]. **AVL** [Zak83].

backtracking [Sta76]. **balance** [PIB⁺75].
balance-of-variables [PIB⁺75].
balancing [Kam75]. **base** [AS81a, EJM73, Hin76, KC79, Moy77, WG72, dMF81].
based [AS81a, BS73, GF79, Hoo85, Jor77, Kob81, Min77, Mis72, Nie84, OT73, Tow80, YM84]. **bases** [AS81b, Nie83]. **basic** [TL85].
Baxter [Har80]. **BCNF** [JNS83a, JNS83b].
BD [DS85].
behavior [Jap81, Shn76, SM79, SKB77].
between [Mae76, Mar72].
Binary [ORSW84, SM76, Ste80].
biological [SM76].
bipartite [Gab76, Har80].
bit [AS77, Wan75]. **Bitmaps** [BR73].
block [BS78, BCM⁺78a, BCM⁺78b, BH81, DNR81]. **block-structured** [BS78, BCM⁺78a, BCM⁺78b, DNR81].
Boolean [TP76]. **both** [DL76].
bound [BD72, BD73, Iba76, Iba78, LMN74].
boundaries [Lan84]. **boundary** [Tou79a].
bounded [Sal78]. **boxes** [O'R85].
BPL [Hoo85].
branch [Iba76, Iba78, LMN74].
branch-and-bound [Iba76, Iba78, LMN74].
British [PIB⁺75]. **Bron** [Joh76].
Bron-Kerbosch [Joh76]. **bubble** [Zak81].
buffer [SKB77].

calculi [Kob81]. **calculus** [Sto79].
canonical [Can79].
capabilities [IA72, Sch84].
capability [WM72a]. **causality** [FC73].
Cellular [AR83, ET79, Lip72].
CFPG [TF82]. **CH** [KH84].
chain [MK81, XT82]. **chain-like** [MK81].
characteristics [DL76, TA77].
Characterizations [Vel80, Sal78].
Characterizing [Fur76].
characters [DB78, TG72]. **check** [LMN74].
Checking [Ata84]. **CHITRA** [DB78].
choice [Sto74]. **circles** [Tou83].
circuits [HK77, SS78]. **Circular** [Las76].
class [HS85, Kod79, TF82]. **classes** [Bro82, Dor76, ELR75, OW82a, OW82b, SdV77].
classification [Mae80, PF75, Yag81].
clique [OT73]. **clique-detection** [OT73].
Cliques [Joh76]. **closure** [Lee82].

cluster [BWE80, Tou79b].
cluster-seeking [Tou79b].
clustering [Did73, MK81, NH74].
clusters [Did73, MK81].
code [CD84, DI80, Hun72].
codes [Las76, Vel80, Vou82, Vou84].
coexistence [FC73].
cognitive [BCS72, DB78].
collection [BS78]. **color** [Gab76].
combinational [HK77, Kan74].
combinatory [Sta84].
combined [HR83, Sto74].
communication [Moy77, SKB77, Tre75].
Compacting [Tin77]. **compaction** [Lan84].
comparative [Zak83]. **Comparing** [RV82].
comparison [DS85, OW82a, OW82b, ORSW84]. **comparisons** [Iba76].
compiler [Bus72]. **complete** [Har80].
complex [Iva73].
complexities [ELR75, Hwa75].
Complexity [CCDK80, Tou84, Iva79, MS85b, San84]. **composite** [DI80, Har80].
Composition [Ver79].
computability [CCDK80].
computational [Edm77].
Computationally [AIR83].
Computer [Bou74a, Bou74b, Bou77, Duj80, Mis72, SI81, Sto79, Bow76, BS73, BT85, Ell78, FF76, MS74, Min78, Moy75, SKB77, Tou80a, Tre75]. **computer-aided** [BT85].
Computer-based [Mis72, BS73].
computers [XT82].
Computing [Tou83, APG85, Kam75].
Concatenated [CD84]. **concentric** [MK81].
Concepts [GG82]. **Conceptual** [dMF81].
concerning [Vou82]. **concurrent** [DL76].
condensation [Lin74].
conditional [IAT85a, IAT85b].
configurations [BR81, Tou80a].
confirmation [CLYY85].
connectivity [Fur76].
consecutive [AFC79].
considerations [YW75b].
constraints [Tou83].
constructing [LS80, Ste80].
construction [JS85a, JS85b].
content [Lip72].
content-addressed [Lip72].
context [Boo73, Can76, LF84a, LF84b].
context-free [LF84a, LF84b].
context-sensitive [Boo73, Can76].
contiguous [TP77].
control [Min78, PIB⁺75, SS83, Sto79].
controlled [Jap81, Sub85a, Sub85b].
controls [HM83]. **conversational** [SM76].
Conversion [LF82]. **convex** [Lee83a].
convexity [Tou84]. **coordination** [Mae80].
copy [Dut85]. **coroutines** [Sta76].
correcting [FF76]. **correctness** [Che80].
Cost [BH81, ORSW84, YW75b].
costs [Dut85, ZB81].
count [BCM⁺78a, BCM⁺78b].
counting [HC77]. **covering** [Boc79, HK85, Hon85, IH74, YM85]. **coverings** [CP84].
criteria [Duj80]. **criterion** [PIB⁺75].
CUCH [BD72, BD73].
CUCH-machine [BD72, BD73].
Cut [JMW81a, JMW81b].
cycles [Pro79, PS81]. **cyclic** [Er84].
dag [Har80]. **Data** [EJM73, GF79, Lip72, AS80, AS81b, AS81a, BCS72, Cas83, Fur76, GG82, Hin76, Hoa75, Hun72, IA72, Kak83, Kat72, ML80, MS85b, Moy77, Nie83, Nie84, Orm84, RV82, RM85, SS76, Vel82, Wan75, WM72a, WG72, Wil72, dMF81, van72].
database [AS80, CL82, GP83, SI81, Sch84, Zak81].
databases [BBDS80, Dut85, Kos83, Kos84].
deadlock [ES85]. **debate** [Tre75].
decision [HM82, MJ75, TG72].
decoder [FF76]. **decoding** [SKB77, VD74].
decomposing [Mae76].
decomposition [Kos84]. **deductive** [Sch84].
defined [Gut76, OW82a, OW82b].
definitions [Che80].
Degrees [Hug72, TA77].
Delaunay [LS80, Sha81].

dependencies [AS81a, Bra83b, Bra83a, Cas83, GP83]. **dependency** [AS81b].
dependent [IA72]. **deployment** [Das77].
Depth [Iba78]. **Depth-** [Iba78].
derivations [AH79]. **described** [CTW74].
describing [RM85]. **descriptive** [Mae80].
design [Bis85, CLM80, Hur84, Koc77, Lei81, NT80, SI81]. **designing** [LMN74, SS84].
Detection [Mae76, ES85, HK77, Kai77, Kan74, OT73].
Determination [AS77, Tou79a].
determine [Mar72].
deterministic [CW79, ELR75].
Development [Iva79, Whi76].
developmental [ELR75].
diagnosis [Bou74a, Bou74b, Bou77, IAT85a, IAT85b]. **diagrams** [JNS83a, JNS83b].
diameter [FHP81]. **dictionary** [Bus72].
difference [TP76]. **dimensional** [BR81].
dimensions [Ros75].
directed [GF79, MT79, YM80].
distance [Bab73]. **distributed** [APG85, CL82, Dut85, ES85, Hoo85, San84].
distribution [CM85, Kak84].
distributional [Bro82].
distributions [Dor76]. **document** [BT85].
documenting [RM85]. **domain** [BBDS80].
domain-oriented [BBDS80].
domains [Spi73].
dominating [Pro79, PS81].
domination [FHP81]. **Doubly** [CW79].
DTOL [JMW81a, JMW81b].
dynamic [Did73, RG73, Tou79b].
DYNOC [Tou79b].

ECG [Jai73]. **economy** [PIB+75].
edge [Gab76, Kai77]. **EDP** [HM83, HM82].
effective [Gui81]. **efficient** [AIR83, DNR81, Lee82, MH82, WG72]. **elementary** [EC79].
elements [TL85]. **eliminating** [NH74].
Embedding [Sch84]. **empirical** [DS85].
employing [DL76]. **empty** [Tou83].
enclosing [O'R85]. **encoded** [SS76].
Encoding [Tha79, BR81, Sto82, XT82].

Engineering [Tou80b, EJM73, Tou85].
English [Moy77]. **Entity** [JNS83a, JNS83b].
Entity-relationship [JNS83a, JNS83b].
Enumerating [AH79].
enumeration [ILBM72].
environments [Das77, SD79, Yeh75].
equivalence [Boc79, Woo75].
error [BH82, FF76].
error-correcting [FF76].
estimation [DL76]. **Euler** [Gab76].
Evaluation [Kob81, BMS74, Das77, Duj80, GM82, Hur84, RG75, TS72].
even [CELT78]. **evolutionary** [MS85a].
examination [BT85]. **examples** [Kod79].
execute [Mag79c, Mag79a, Mag79b].
Execution [Ham77]. **experiment** [Tre75].
experimental [SM79].
experiments [Shn76]. **Expert** [HM82].
Exploratory [Shn76].
Exponentiation [Kak83].
expression [Lee82]. **expressions** [BTG83a, BTG83b, Cas83, GM82]. **extended** [Kob81].
extendible [Hua85, Ros75].
extending [Lan84].
Extension [Roz73, Ear74, Hon85].
extensions [SM76]. **external** [MH82].
extraction [Bab73, Jai73, Min77, SdV77, TG72].

Familial [Orm84]. **families** [Vel80].
Fast [Har80].
fault [Dal75a, IAT85a, IAT85b, TP76].
FEAST [Das77].
feature [Das77, Jai73, SdV77, TG72].
features [Bab73]. **Field** [Isc77].
figures [Ata84].
filamentous [Sub85a, Sub85b]. **File** [CL82, RG75, Dut85, Put80, RG73, Shn74, SG72].
files [Lei81]. **filters** [BR73]. **Finding** [KC79, O'R85, Lee82, Lee83a, YM80]. **finite** [Hur84, Kod79, Lee83b, TA77, YM80, YH84].
firm [Hin76]. **fixed** [Lew81].
flexible [Jap81]. **flow** [MS85b].
Formal [Nie83, APG85, Dd77].

Formalization [Che80].
forms [AS81a, RV82]. **formulation** [Bro83].
FORTRAN [Gui81, Gut76, Whi76].
free [LF84a, LF84b]. **freely** [Jor77].
Frequency [Kos84]. **full** [NH74].
function [Hof78].
functional [Bra83b, Bra83a, GP83].
functionalities [AM82].
functionalities [BWE80]. **functions** [CM80, EC79, Gut76, Kod79, NK77, Nie83].
Further [Vou84].
Fuzzy [Dal75a, Dal75b, HK77, Kan74, NK77].
Fuzzy-state [Dal75a, Dal75b].

G [SKB77, YM84]. **G-minimum** [YM84].
G/M/1 [SKB77]. **game** [Nau83].
garbage [BS78]. **GASP** [HR83].
gates [YM84]. **Gaussian** [SdV77].
general [Hon85, MTC77].
generalization [YH84].
Generalized [Sch79]. **generated** [PF75].
generating [Hof78].
generating-function [Hof78].
geometric [BR81]. **geometrical** [Tou80a].
GGC [HR83]. **given** [CLYY85].
glimpse [Sta84].
goiters [Bou74a, Bou74b, Bou77].
GPSS [HR83]. **GPSS-GASP** [HR83].
grammar [Che85b, Sal78].
grammars [BH82, Boc79, Boo73, Che85a, Che85b, FH72, GET76, Gre74, LF84a, LF84b, SJ78]. **grammatical** [Bud83, Tan84].
graph [Bow76, Joh76, Nau83, Sal78, YM80].
graph-variations [Joh76].
Graphical [AS81a, AS81b].
graphics [van72].
graphs [AH79, GF79, OT73, PS81].
growth [Sub85a, Sub85b].

handling [Isc77]. **handprinted** [DB78].
handwritten [TG72]. **Hanoi** [Er84].
hardware [Hur84]. **harmonic** [Tan84].
hash [CD84]. **hashing** [Hua85].
hazard [HK77]. **hazards** [Kan74].

HB [ZB81]. **HENTRAN** [Gui81].
heuristic [Ang75].
heuristic-adaptive [Ang75].
Heuristically [IH74]. **heuristics** [YW75a].
Hierarchic [BH82]. **hierarchical** [Nie83].
high [GG82, Gli83, Shr75].
high-level [Gli83, Shr75].
high-performance [GG82].
Higher [ML80, Wal73].
higher-level [Wal73]. **Hoare** [DW84].
homogeneous [Tin77]. **horizontal** [DW84].
hull [Lee83a]. **hybrid** [MK81].
hypothesis [DL76].

IBM [BMS74]. **identity** [EC79].
II [BCM⁺78b, Cla73, Mag79b].
ILLIAC [LR80]. **illusions** [MS74].
image [AR83]. **imperfectly** [Bab73].
implementation [BH81, DNR81, NT80, Spi73, WG72, van72]. **implicants** [CM80].
implicit [Bra83b, Bra83a, ILBM72].
improvement [Spi75].
incompletely [CM80].
independent [AS80]. **index** [YW75b].
indexed [Lei81, SJ78, Shn74].
indexes [Cla73]. **indexing** [Bie78].
indices [NT80, Sto74].
Inferability [LF84a, LF84b].
Inference [FK84, TF82, Edm77, GET76, Tan84]. **infinite** [Sto82]. **influence** [Nau83].
Information [Koc77, BCS72, BS73, Or182b, Hin76, Isc77, MS74, Or182a, Ras82a, SG72, Raś82b]. **Inhomogeneous** [AK79, smK79].
input [Bou77, DB78, HT81, SM76].
input-trained [DB78].
input/output [HT81]. **insertion** [Bie78].
insertions [Ste80]. **instructions** [Bie78].
integer [ILBM72]. **integrated** [SS78].
integrity [BL81].
interactions [ELR75, SM79].
interactive [MMF74, RW73, Sta76, van72].
internal [SI81]. **interpretation** [AS81b].
interpreter [CS80]. **interrogation** [TS72].
intersecting [HC77]. **intersection** [Lee84].

intersections [Mar72].
inverse [Sch79, YH84]. **inversions** [Sto74].
inverted [Put80]. **involving** [HC77].
isomorphisms [YM80].
issues [BH81, van72].
iterative [Er84, OW82a, OW82b].
IV [Bou74a, LR80].

jobstreams [She80]. **join** [AD81].

Kerbosch [Joh76]. **key** [CM85, Kak84].
Kleene [Lee82].
Knowledge [Tou80b, Tou85].

label [Can79]. **labeled** [Bab73].
Language [Moy80, AS80, BBDS80, CS80, Gli83, Ham77, Hoo85, Jor77, MV74, WM72b, dLD85].
languages [Mag79c, BS78, BCM⁺78a, BCM⁺78b, Bro82, Can79, DNR81, ELR75, FH72, JMW81a, JT83a, JMW81b, JT83b, Mag79a, Mag79b, Roz73, Sal78, San74, Shr75, ST75, Tan84, Wal73, Woo75].
large [Cla73, Kos83, Kos84, NT80, Pay73, SS78]. **large-scale** [SS78]. **largest** [Tou83].
lattices [AH79]. **learned** [Jor77].
Learning [DL79, BS73, DL76, MS85a, SD79, TF79]. **Lee** [Sha81]. **Left** [ST75].
Left-noncounting [ST75]. **level** [Cla73, Gli83, Lei81, Shr75, TG72, Wal73].
libraries [Cla73].
like [BTG83a, BTG83b, MK81].
Lindenmayer [Woo75].
line [RW73, Tre75, Whi76].
linear [CCDK80, SdV77, Tan84, Zal73].
linguistic [Bro82, Bro83].
linguistics [Dd77, Edm77, Moy75].
link [IA72]. **link-dependent** [IA72].
linked [IA72]. **LISP** [Kod79]. **list** [Lin74].
LL [Che85a, Che85b]. **location** [Tou83].
logic [DW84, Kan74]. **loops** [CELT78].
LR [BH82].

M [SKB77].

machine [MS85a, Par84, BD72, BD73].
machines [Gli83, Hwa75, Lew81, Zal73].
Madcap [WM72a]. **Magnetic** [Zak81].
making [Ste80]. **management** [BCM⁺78a, BCM⁺78b, Hin76, Kam75, RG73, Zak81].
manipulation [Kat72, RM85, SM76].
many [Ros75].
Markov [JMW81a, Hug72, JMW81b].
mass [YW75a]. **match** [Hua85].
matching [FHP81].
mathematical [Edm77, Isc77, Iva73].
matrices [AS77, Lee82, Wan75].
matrix [Hon85, Vou82, Vou84].
maximum [FHP81, Sto79]. **means** [TF82].
measure [MS85b].
measures [Bab73, Ell78].
mechanisms [Gli83]. **memories** [Lip72].
memory [Jor77, SG72, SS83, TP77, Zak81].
merging [Put80]. **message** [CLM80, San84].
method [CM85, Did73, Hon85, Isc77, Kak84, LMN74, MJ75, Nie84, NH74, Ste80].
Methodical [Vel82]. **methodology** [SS84].
Microcode [Lan84].
microprocessors [Mag79c, Mag79a, Mag79b]. **microprogram** [SS83].
microprograms [DW84]. **Minimal** [YM85, KC79, Lee84, MH82, O'R85].
minimization [SS83, YM85].
minimizing [Tin77].
Minimum [Pro79, PS81, YM84].
model [AS80, Ear74, GP83, IAT85a, IAT85b, MS74, MJ74, Moy80, Orm84, PIB⁺75, Shn74, SM79, Spi73].
Modeling [Dut85, Wal73, Iva73, SS84, dMF81]. **models** [HS78, Iva79, MS85b, RM85, She80, Yag81].
Modification [Dal75b].
modularity [Spi75]. **modulo** [Kak83].
monitoring [HM83].
monoid [JT83a, JT83b].
monoids [JS85a, JS85b]. **movement** [DI80].
MRPPS [MMF74]. **MRPPS-An** [MMF74].
multi [TG72]. **multi-level** [TG72].
multiattribute [HC77, Sch79].

Multidimensional [Hua85, MTC77].
multigraphs [Gab76]. **multilevel** [RG73].
multipath [BP83].
multiple [CELT78, CM80, Dut85].
multiple-output [CM80].
multiplier [HS85]. **multipliers** [YM84].
multiprocessing [Koc77].
multiprogrammed [HS78, She80].
multiprogramming [Hof78].
multivalued [GP83].
Multivariate [HS78, She80].

N [Bra83b, Bra83a].
natural [BBDS80, Jor77].
Near [YW75a, SS83].
Near-optimal [YW75a].
neighborhood [SG72].
neighborhoods [OT73]. **net** [Jor77].
network [Mag79c, AM82, Mag79a, Mag79b].
networks [FF76, LMN74, Tre75].
noisy [Kai77]. **noncounting** [ST75].
nondeterministic [CS80].
nonhierarchichal [Did73].
nonparametric [Das77, SD79].
NOR [YM84]. **normal** [AS81a, RV82].
normalization [AD81]. **note** [CM85, Min77, Sha81, Sub85a, Sub85b, Woo75].
Notes [BD73, Can79]. **notion** [ET79].
nucleus [CTW74]. **number** [AS77, Kod79].

object [CLYY85]. **objects** [Mar72].
Observations [Hin76, Bou74a].
odd [CELT78]. **odd-even** [CELT78].
off [Whi76]. **off-line** [Whi76]. **OL** [CW79].
omega [JT83b]. **omega-languages** [JT83b].
On-line [Tre75, RW73].
One [San74, AIR83, ILBM72, Lei81].
one-level [Lei81]. **one-time** [AIR83].
One-way [San74]. **online** [HM83].
OPAL [SD79]. **operating** [Yeh75].
operation [Min78, TL85].
operation-control [Min78].
operations [Put80, dMF81].
operator [Muz77]. **optical** [MS74].

Optimal [Bou74a, HK85, BL81, Bou74b, Iva79, LMN74, Lee84, PIB⁺75, SD79, SdV77, Tou79b, YW75a].
optimization [DI80, Vou82, Yeh75].
optimizing [GM82, Shn74].
order [ML80, Put80].
ordered [NT80, Sto82].
organization [EJM73, Iva79].
organizing [PIB⁺75].
oriented [BBDS80, BR73, CLM80].
outerplanar [PS81].
output [CM80, HT81, SM76].
overlaid [Cla73]. **Overview** [dLD85].

packing [MTC77]. **pad** [AIR83].
paradise [Sta84].
Parallel [Par84, YM84, Hur84, Tha79, TL85].
parallelism [Mae76]. **Parameter** [Yeh75].
parameters [BWE80, DL76].
Parsers [SJ78]. **parsing** [Can76, LF82].
Partial [Pay73, Hua85, Sto74].
partial-match [Hua85]. **partially** [ES85].
Partitioning [FHP81, SD79].
partitions [Gab76]. **pathology** [Nau83].
paths [KC79]. **PATRICIA** [Cla73].
PATRICIA-II [Cla73]. **Pattern** [Dor76, BP83, DL79, LF82, SdV77, Tho82].
patterns [Ang75, Bab73].
performance [BMS74, DS85, Duj80, GG82, Hur84, Moy80]. **permutations** [Har80].
physical [Bou74a]. **pictures** [Kai77].
PL [Bus72]. **PL/1** [Bus72]. **PLA** [YM85].
planar [Ata84, BP83].
planning [Bou74a, TF79]. **plans** [Ver79].
point [JMW81a, HS78, JMW81b, She80].
points [Lew81]. **polygon** [Lee83a].
polyhedral [Mar72]. **polynomial** [Kak83].
position [CLYY85]. **possibilistic** [Yag81].
power [Mae80]. **pragmatic** [Spi75, Tow80].
Predicting [TP77]. **prediction** [PIB⁺75].
Predictive [XT82]. **prefix** [Muz77, Vel80].
preprocessor [Gui81]. **preserving** [SG72].
prime [CM80]. **principle** [Sto79].
probabilistic [Bab73, Bro82, ET79, SS78].

problem [EC79, Er84, Hon85, MV74, YM85, YW75a]. **Problems** [Iva73, FC73, HC77, Lee84, San84, Sch79]. **procedure** [Ang75, Bro82, Mar72, MMF74, MS85a, MK81]. **Process** [Shr75, HS78, Mae80, She80, TS72]. **processes** [Isc77, Mae76]. **processing** [AR83, BL81, Hin76, Hun72, MS74]. **productions** [Ver79]. **prognosis** [Jai73]. **program** [Bie78, ILBM72, Kod79, KC79, Spi75, Tha79, Wey79]. **programmed** [LF84a, LF84b]. **programmer** [Shn76, SM79]. **Programming** [Gut76, CCDK80, Ham77, ILBM72, SM76, dLD85]. **programming-language** [Ham77]. **programs** [CLM80, Ver79, Wey79, Whi76]. **proof** [MMF74]. **Properties** [MT79, Wal73]. **property** [AFC79]. **proposal** [Spi75]. **protection** [Bud83, Ell78, Gli83]. **protective** [Spi73]. **prototyping** [Hoo85]. **prover** [CTW74, MV74]. **proving** [Tow80]. **puzzles** [CM85, Kak84].

quadratic [NH74]. **quadrature** [LR80]. **queries** [Hua85, Kob81, Put80]. **Query** [ZB81]. **Querying** [BBDS80]. **question** [MMF74]. **queue** [SKB77]. **queues** [Hof78].

random [Yeh75]. **real** [Koc77, Whi76]. **real-time** [Koc77, Whi76]. **realization** [GG82]. **reasoning** [Yag81]. **recognition** [DB78, DL79, Dd77, Har80, MV74, Tho82, TG72]. **reconfigurable** [SS84]. **recovering** [Dor76]. **recovery** [BH81]. **rectangle** [Lee84]. **recurrences** [Par84]. **Recursive** [Hoa75, Che80]. **recursively** [DB78, Gut76]. **reduction** [Mag79c, DI80, Mag79a, Mag79b]. **Redundancy** [LMN74]. **reference** [BCM⁺78a, BCM⁺78b].

refutation [MMF74]. **register** [CELT78]. **Regular** [BTG83a, BTG83b, Lee82, Sal78, Sub85a, Sub85b, Vel80]. **regular-controlled** [Sub85a, Sub85b]. **Regular-like** [BTG83a, BTG83b]. **related** [Vel80]. **relating** [van72]. **relation** [Bra83b, Bra83a, Fur76]. **relational** [AS81b, AS81a, Cas83, GP83, Kob81, Sch84, Ver79, Zak81]. **relations** [FC73]. **relationship** [JNS83a, JNS83b]. **relationships** [AM82]. **Relevance** [Moy75]. **reliability** [Spi75]. **Remarks** [Vou82, Vou84]. **reordering** [HT81]. **repair** [BH82, HK85]. **Representation** [Orl82b, Orl82a, Hun72, Kat72]. **Representations** [MV74]. **required** [BS78, BCM⁺78a, BCM⁺78b]. **requirement** [MH82]. **requirements** [MTC77]. **resolution** [Min77, Tow80]. **resolution-based** [Min77, Tow80]. **resource** [MTC77]. **resources** [Kam75]. **Response** [She80, HS78]. **Response-time** [She80]. **restrictions** [Gre74]. **restructuring** [Nie83, Nie84]. **results** [SM79, Wey79]. **retention** [BS78, BCM⁺78a, BCM⁺78b, DNR81]. **retrieval** [AFC79, BCS72, EJM73, FC73, Ras82a, Ras82b, Wan75]. **retrieve** [SG72]. **retrieving** [BS73]. **revisited** [Tou85]. **rewriting** [Vel82]. **robot** [Jap81]. **robotic** [TF79]. **root** [AS81a, Ste80]. **Rough** [Paw82]. **rules** [TF82]. **run** [Ear74].

Safety [Bud83]. **sample** [FK84]. **scale** [SS78]. **scanner** [Hur84]. **scene** [Dd77]. **SCFG's** [PF75]. **Schachter** [Sha81]. **Scheduling** [HM83, BL81]. **Schema** [RM85, SI81, Wey79]. **schemata** [GF79, MT79, Tha79]. **scheme** [AIR83, BH81, Kod79, Min78,

NT80, TL85]. **schemes** [Mae80].
science [Moy75]. **search** [Iba76, Iba78,
 NH74, OW82a, OW82b, ORSW84, Ste80].
searches [BR73]. **Searching** [Sto82, XT82].
secondary [NH74, YW75b].
security [Kak83]. **seeking** [Tou79b].
segmentation [Ang75].
selection [CD84, Das77, Duj80, YW75b].
self [IAT85a, IAT85b, Iva79, PIB⁺75, RM85].
self-describing [RM85].
self-diagnosis [IAT85a, IAT85b].
self-documenting [RM85].
self-organization [Iva79].
self-organizing [PIB⁺75].
Semantic [Boc79, Mis72, SM79, TF82,
 Tho82]. **semantics** [Ham77].
semigroups [Zal73]. **Sense** [Jap81].
Sense-controlled [Jap81].
sensitive [Boo73, Can76].
separate [Mae76]. **separation** [Kos83].
Sequential [DL76, PF75, VD74, Hwa75,
 Lei81, Mae76, Zal73].
serializability [BM85]. **series** [MJ74].
set [GM82, HK85, Hoo85, IH74, IAT85a,
 IAT85b, KC79]. **set-based** [Hoo85].
set-covering [HK85, IH74]. **sets** [FK84,
 Fur76, HC77, Paw82, Sto82, TA77].
several [SdV77]. **shapes** [BP83].
shift [CELT78]. **shift-register** [CELT78].
similarity [Ata84].
simple [Lee83a, SS83, Moy77].
Simple-English [Moy77].
Simplification [NK77].
Simplified [CELT78].
Simulation [HR82, BMS74, She80, Whi76].
simulations [MS74]. **single** [SdV77].
size [Bou74b]. **SLEUTH** [DL76].
SLIDS [IA72]. **software** [Nie84].
solution [HC77, Par84].
solutions [CCDK80, Sch79]. **Some** [Gre74,
 Hwa75, van72, DS85, Ell78, SM76].
sort [CELT78].
sorting [AK79, MH82, Pay73, TL85, smK79].
sorts [TL85].
space [Lee83b, Lee84, MH82, Tin77, YH84].
Specification [Nie84, APG85, CLM80,
 Vel82]. **specifications** [RV82].
specified [CM80]. **spectra** [Woo75].
SQL [Bra83b, Bra83a].
SQL/N [Bra83b, Bra83a].
stability [Dal75a]. **stage** [IA72].
state [Dal75a, Dal75b, Hur84, Lee83b, YH84].
Stateless [Lew81]. **statements** [Mae76].
static [Kan74].
Statistical [BWE80, Edm77].
statistics [Iva73]. **steam** [EJM73].
Stochastic [FH72, MT79, Yeh75].
Storage [YW75b, IA72, RG75, Tin77,
 Wal73, YW75a]. **store** [RG73].
storing [Ros75]. **strategies** [HR82, Iba76].
strategy [Kam75]. **strength** [DI80].
String [Sal78]. **strings** [PF75].
structural [Hwa75].
structure [BCS72, Boo73, Bus72, EC79,
 IA72, Lin74, Nau83, WM72a].
structured [BS78, BCM⁺78a, BCM⁺78b,
 DNR81, Gui81]. **Structures** [RW73, AS81b,
 Fur76, Hoa75, Kat72, Lip72, Shn74, SS76,
 Wil72, Zak81, van72].
Structuring [BS73, WG72].
student [Tre75]. **study** [SKB77, Zak83].
sub [Che85a, Che85b].
sub-LL [Che85a, Che85b].
subsymptomatologies [Bou74b].
Subword [ELR75]. **support** [Bis85, HM82].
Surjections [CP84]. **survey** [Tho82].
switching [AM82, CM80, HK77, Kan74,
 Muz77, NK77].
synchronization [Las76, Shr75].
Syntactic [JS85a, JS85b, SM79, Tho82,
 FF76, JT83a, JT83b, Kai77, LF82].
Syntactic/semantic [SM79, Tho82].
syntactical [AH79, Har80, VD74].
Syntax [Ear74, BH82, MT79].
syntax-directed [MT79].
synthesis [Bie78, MJ74].
synthesized [Kod79].
system [APG85, BBDS80, BL81, DB78,

Gui81, Hin76, HR83, Hoo85, Iva73, Kam75, Koc77, MMF74, SKB77, Whi76, dLD85].
systems [AS80, AS81a, Bow76, Bud83, CCDK80, CW79, Ell78, JMW81a, HM83, HM82, Hun72, HS78, JMW81b, Kan74, Koc77, Min77, Min78, Put80, Ras82a, Sch84, SS84, Sta76, Sub85a, Sub85b, Tha79, Vel82, Raš82b, Woo75, Zak81, Roz73].
systolic [JS85a, HS85, JS85b].
Szilard [Woo75].

table [NH74]. **tabled** [CW79, Roz73].
tabular [Wil72]. **taxiway** [HK85].
teacher [DL76, DL79]. **technique** [Can76, Das77, Dor76, HT81, Kos83, Kos84, LMN74, Pay73, Tou79b, Tou79a].
techniques [EJM73, TP76, Tho82].
technology [HS85].
temporal [Orl82b, FC73, Orl82a].
testing [SS78]. **text** [Hun72, Tin77].
texture [MJ74, MJ75].
their [AM82, Dal75a, Dor76, RV82].
theorem [CTW74, EC79, MV74, Tow80].
theorem-prover [CTW74].
Theoretical [Iba76]. **theory** [Bow76, Cas83, Iva79, MJ75, RG73, SS76].
thesaurus [RW73]. **Theta** [AD81].
Theta-join [AD81]. **thresholding** [Tou79a].
Time [BS78, BCM⁺78a, Kos83, MJ74, AIR83, Ang75, BCM⁺78b, Ear74, FC73, Hwa75, Koc77, Lee84, She80, Whi76].
time-varying [Hwa75]. **times** [HS78].
tolerance [Dal75a, Dal75b]. **tool** [BMS74].
topological [Bro83]. **topology** [AR83].
Towers [Er84]. **TPL** [dLD85].
Trace [CLYY85]. **traces** [Ham77].
trained [DB78]. **transaction** [BL81].
transducers [LF82]. **transform** [KH84].
translation [MT79, SS76].
transportable [dLD85].
treatment [BD72, BD73].
tree [BTG83a, BTG83b, DS85, FK84, GET76, JS85a, JS85b, LF82, Par84, TP76].
trees [FHP81, FK84, OW82a, OW82b, ORSW84, Pro79, Ste80, ZB81, Zak83].
triangulation [LS80, Sha81].
trivial [JT83a, JT83b]. **turbine** [EJM73].
Turing [Lew81].
Two [Cla73, LS80, BR81, IA72].
two-dimensional [BR81].
Two-level [Cla73]. **two-stage** [IA72].
type [GG82, RV82, Vou84]. **type-** [Vou84].
types [ML80, Vel82]. **typology** [Bro83].

unambiguous [AS77, Wan75].
understander [Jor77].
understanding [BBDS80, Tou80a].
unfamiliar [DL76]. **unified** [WM72a].
unimodality [Tou84]. **units** [HS85].
unsolvability [Hug72].
unsupervised [Bro82, Das77, SD79].
update [Dut85]. **use** [DW84, Moy80].
Useless [CM80]. **Using** [Gab76, CELT78, Ear74, Har80, Iva79, PIB⁺75, Tre75].

V [Bou77]. **validity** [BWE80].
variable [Bis85].
variables [BD72, PIB⁺75, BD73].
variations [DS85, Joh76, Sto79].
various [ELR75]. **varying** [Hwa75].
vector [Pay73, Tha79]. **VEDIC** [DL79].
verification [DW84, Gli83]. **versa** [Moy75].
versus [ZB81]. **VI** [WM72a].
via [RV82, TG72, Vel82]. **vice** [Moy75].
view [GP83]. **VLSI** [Hur84, HS85].

W [Gre74]. **W-grammars** [Gre74].
waveform [Jai73]. **way** [San74, SS83].
WCRL [AS80]. **WFTA** [HT81].
which [JNS83a, JNS83b].
whose [JT83a, JT83b, TL85].
workload [Kam75].

zero [ILBM72]. **zero-one** [ILBM72]. **Zoom** [Tou79a]. **Zoom-thresholding** [Tou79a].

References

- [AD81] **Arora:1981:TN**
S. K. Arora and S. R. Dumpala. Theta-join and normalization. *International Journal of Computer and Information Sciences*, 10(4):261–281, August 1981. CODEN IJ CIAH. ISSN 0091-7036.
- [AFC79] **Al-Fedaghi:1979:AAC**
S. S. Al-Fedaghi and Y. H. Chin. Algorithmic approach to the consecutive retrieval property. *International Journal of Computer and Information Sciences*, 8(4):279–301, August 1979. CODEN IJ CIAH. ISSN 0091-7036.
- [AH79] **Alter:1979:ESG**
Ronald Alter and Johnson M. Hart. Enumerating syntactical graphs and lattices of derivations. *International Journal of Computer and Information Sciences*, 8(4):261–277, August 1979. CODEN IJ CIAH. ISSN 0091-7036.
- [AIR83] **Akritis:1983:CEA**
A. G. Akritis, S. S. Iyengar, and A. A. Rampuria. Computationally efficient algorithms for a one-time pad scheme. *International Journal of Computer and Information Sciences*, 12(4):285–316, August 1983. CODEN IJ CIAH. ISSN 0091-7036.
- [AK79] **Anisimov:1979:IS**
A. V. Anisimov and D. E. Knuth. Inhomogeneous sorting. *International Journal of Computer and Information Sciences*, 8(4):255–
- [AM82] **Alia:1982:SNF**
G. Alia and E. Martinelli. On switching network functionalities and their relationships. *International Journal of Computer and Information Sciences*, 11(2):123–138, April 1982. CODEN IJ CIAH. ISSN 0091-7036.
- [Ang75] **Ang:1975:HAP**
Beng-Tung Ang. A heuristic-adaptive procedure for segmentation of time patterns. *International Journal of Computer and Information Sciences*, 4(4):329–348, December 1975. CODEN IJ CIAH. ISSN 0091-7036.
- [APG85] **Agrawal:1985:TFS**
V. K. Agrawal, L. M. Patnaik, and P. S. Goel. Towards formal specification of a distributed computing system. *International Journal of Computer and Information Sciences*, 14(5):277–306, October 1985. CODEN IJ CIAH. ISSN 0091-7036.
- [AR83] **Ankeney:1983:CTA**
Lawrence A. Ankeney and Gerhard X. Ritter. Cellular topology and its applications in image processing. *International Journal of Computer and Information Sciences*, 12(6):433–456, December 1983. CODEN IJ CIAH. ISSN 0091-7036.
- [AS77] **Aalto:1977:DNU**
S. Aalto and E. Schuegraf. Determination of the number of un-

- ambiguous bit matrices. *International Journal of Computer and Information Sciences*, 6(3):223–235, September 1977. CODEN IJCIAH. ISSN 0091-7036.
- [AS80] S. K. Arora and K. C. Smith. WCRL: a data model independent language for database systems. *International Journal of Computer and Information Sciences*, 9(4):287–305, August 1980. CODEN IJCIAH. ISSN 0091-7036.
- [AS81a] S. K. Arora and K. C. Smith. Graphical normal forms based on root dependencies in relational data base systems. *International Journal of Computer and Information Sciences*, 10(4):235–259, August 1981. CODEN IJCIAH. ISSN 0091-7036.
- [AS81b] Sudhir K. Arora and K. C. Smith. A graphical interpretation of dependency structures in relational data bases. *International Journal of Computer and Information Sciences*, 10(3):187–213, June 1981. CODEN IJCIAH. ISSN 0091-7036.
- [Ata84] Mikhail J. Atallah. Checking similarity of planar figures. *International Journal of Computer and Information Sciences*, 13(4):279–290, August 1984. CODEN IJCIAH. ISSN 0091-7036.
- [Bab73] C. Chitti Babu. On the application of probabilistic distance measures for the extraction of features from imperfectly labeled patterns. *International Journal of Computer and Information Sciences*, 2(2):103–114, June 1973. CODEN IJCIAH. ISSN 0091-7036.
- [BBDS80] M. Bernorio, M. Bertoni, A. Dabbene, and M. Somalvico. Querying databases with a domain-oriented natural language understanding system. *International Journal of Computer and Information Sciences*, 9(2):141–159, April 1980. CODEN IJCIAH. ISSN 0091-7036.
- [BCM⁺78a] D. M. Berry, L. M. Chirica, D. F. Martin, A. Sorokin, and J. B. Johnson. Time required for reference count management in retention block-structured languages. I. *International Journal of Computer and Information Sciences*, 7(1):11–64, March 1978. CODEN IJCIAH. ISSN 0091-7036.
- [BCM⁺78b] D. M. Berry, L. M. Chirica, D. F. Martin, A. Sorokin, and J. B. Johnston. On the time required for reference count management in retention block-structured languages. II. *International Journal of Computer and Information Sciences*, 7(2):91–119, June 1978.

- CODEN IJCIAH. ISSN 0091-7036.
- [BCS72] **Biss:1972:DSC**
K. O. Biss, R. T. Chien, and F. A. Stahl. A data structure for cognitive information retrieval. *International Journal of Computer and Information Sciences*, 1(1):17–27, March 1972. CODEN IJCIAH. ISSN 0091-7036.
- [BD72] **Bohm:1972:CAT**
C. Bohm and M. Dezani. A CUCH-machine: the automatic treatment of bound variables. *International Journal of Computer and Information Sciences*, 1(2):171–191, June 1972. CODEN IJCIAH. ISSN 0091-7036.
- [BD73] **Bohm:1973:NCA**
C. Bohm and M. Dezani. Notes on ‘A CUCH-machine: the automatic treatment of bound variables’. *International Journal of Computer and Information Sciences*, 2(2):157–160, June 1973. CODEN IJCIAH. ISSN 0091-7036.
- [BH81] **Bhargava:1981:CAR**
B. Bhargava and C. Hua. Cost analysis of recovery block scheme and its implementation issues. *International Journal of Computer and Information Sciences*, 10(6):359–382, December 1981. CODEN IJCIAH. ISSN 0091-7036.
- [BH82] **Barnard:1982:HSE**
David T. Barnard and Richard C. Holt. Hierarchic syntax error re-
- [Bie78] pair for LR grammars. *International Journal of Computer and Information Sciences*, 11(4):231–258, August 1982. CODEN IJCIAH. ISSN 0091-7036.
- [Bie78] **Biermann:1978:AI**
A. W. Biermann. Automatic insertion of indexing instructions in program synthesis. *International Journal of Computer and Information Sciences*, 7(1):65–90, March 1978. CODEN IJCIAH. ISSN 0091-7036.
- [Bis85] **Biswas:1985:ASV**
P. Biswas. Architectural support for variable addressing in Ada — a design approach. *International Journal of Computer and Information Sciences*, 14(1):51–72, February 1985. CODEN IJCIAH. ISSN 0091-7036.
- [BL81] **Bhargava:1981:OSI**
B. Bhargava and L. Lilien. On optimal scheduling of integrity assertions in a transaction processing system. *International Journal of Computer and Information Sciences*, 10(5):315–330, October 1981. CODEN IJCIAH. ISSN 0091-7036.
- [BM85] **Brzozowski:1985:S**
J. A. Brzozowski and S. Muro. On serializability. *International Journal of Computer and Information Sciences*, 14(6):387–403, December 1985. CODEN IJCIAH. ISSN 0091-7036.
- [BMS74] **Bowdon:1974:STP**
E. K. Bowdon, Sr., S. A. Marmak, and F. R. Salz. A simu-

- lation tool for performance evaluation of the IBM 360/75. *International Journal of Computer and Information Sciences*, 3(1): 33–57, March 1974. CODEN IJ-CIAH. ISSN 0091-7036.
- [Bou77] **Bochmann:1979:SEC**
Gregor V. Bochmann. Semantic equivalence of covering attribute grammars. *International Journal of Computer and Information Sciences*, 8(6):523–539, December 1979. CODEN IJ-CIAH. ISSN 0091-7036.
- [Boc79] **Book:1973:SCG**
R. V. Book. On the structure of context-sensitive grammars. *International Journal of Computer and Information Sciences*, 2(2): 129–139, June 1973. CODEN IJ-CIAH. ISSN 0091-7036.
- [Boo73] **Bouckaert:1974:CDGa**
A. Bouckaert. Computer diagnosis of goiters. IV. optimal planning of physical observations. *International Journal of Computer and Information Sciences*, 3(1): 71–92, March 1974. CODEN IJ-CIAH. ISSN 0091-7036.
- [Bou74a] **Bouckaert:1974:CDGb**
A. Bouckaert. Computer diagnosis of goiters. the optimal size of optimal subsymptomatologies. *International Journal of Computer and Information Sciences*, 3(4):345–362, December 1974. CODEN IJ-CIAH. ISSN 0091-7036.
- [Bou74b] **Bouckaert:1977:CDG**
A. Bouckaert. Computer diagnosis of goiters. V. the input. *International Journal of Computer and Information Sciences*, 6(3): 237–261, September 1977. CODEN IJ-CIAH. ISSN 0091-7036.
- [Bow76] **Bowie:1976:AGT**
W. S. Bowie. Applications of graph theory in computer systems. *International Journal of Computer and Information Sciences*, 5(1):9–31, March 1976. CODEN IJ-CIAH. ISSN 0091-7036.
- [BP83] **Badii:1983:AMP**
F. Badi'i and B. Peikari. Approximation of multipath planar shapes in pattern analysis. *International Journal of Computer and Information Sciences*, 12(2): 99–110, April 1983. CODEN IJ-CIAH. ISSN 0091-7036.
- [BR73] **Burke:1973:BFA**
J. M. Burke and J. T. Rickman. Bitmaps and filters for attribute-oriented searches. *International Journal of Computer and Information Sciences*, 2(3): 187–200, September 1973. CODEN IJ-CIAH. ISSN 0091-7036.
- [BR81] **Boyles:1981:EAT**
Stephanie M. Boyles and Gerhard X. Ritter. The encoding of arbitrary two-dimensional geometric configurations. *International Journal of Computer and Information Sciences*, 10(1):1–25, February 1981. CODEN IJ-CIAH. ISSN 0091-7036.

- [Bra83a] **Bradley:1983:ASA**
J. Bradley. Application of SQL/N to the attribute-relation associations implicit in functional dependencies. *International Journal of Computer and Information Sciences*, 12(2):65–86, April 1983. CODEN IJ CIAH. ISSN 0091-7036.
- [Bra83b] James Bradley. Application of SQL/N to the attribute-relation associations implicit in functional dependencies. *International Journal of Computer and Information Sciences*, 12(2):65–86, 1983.
- [Bro82] **Brody:1982:PUA**
E. J. Brody. A procedure for the unsupervised abduction of linguistic distributional classes in probabilistic languages. *International Journal of Computer and Information Sciences*, 11(3):193–210, June 1982. CODEN IJ CIAH. ISSN 0091-7036.
- [Bro83] **Brody:1983:TFL**
E. J. Brody. A topological formulation of linguistic typology. *International Journal of Computer and Information Sciences*, 12(3):137–150, June 1983. CODEN IJ CIAH. ISSN 0091-7036.
- [BS73] **Brunnstein:1973:SRI**
K. Brunnstein and J. W. Schmidt. Structuring and retrieving information in computer-based learning. *International Journal of Computer and Information Sciences*, 2(2):89–101, June 1973. CODEN IJ CIAH. ISSN 0091-7036.
- [BS78] **Berry:1978:TRG**
D. M. Berry and A. Sorkin. Time required for garbage collection in retention block-structured languages. *International Journal of Computer and Information Sciences*, 7(4):361–404, December 1978. CODEN IJ CIAH. ISSN 0091-7036.
- [BT85] **Brzakovic:1985:ACD**
D. Brzakovic and J. T. Tou. An approach to computer-aided document examination. *International Journal of Computer and Information Sciences*, 14(6):365–385, December 1985. CODEN IJ CIAH. ISSN 0091-7036.
- [BTG83a] **Barrero:1983:RLT**
A. Barrero, M. G. Thomason, and R. C. Gonzalez. Regular-like tree expressions. *International Journal of Computer and Information Sciences*, 12(1):1–11, 1983.
- [BTG83b] **Barrero:1983:RTE**
A. Barrero, M. G. Thomason, and R. C. Gonzalez. Regular-like tree expressions. *International Journal of Computer and Information Sciences*, 12(1):1–121, February 1983. CODEN IJ CIAH. ISSN 0091-7036.
- [Bud83] **Budd:1983:SGP**
Timothy A. Budd. Safety in grammatical protection systems.

International Journal of Computer and Information Sciences, 12(6):413–431, December 1983. CODEN IJCIAH. ISSN 0091-7036.

Busam:1972:DSP

- [Bus72] V. A. Busam. A dictionary structure for a PL/1 compiler. *International Journal of Computer and Information Sciences*, 1(3):235–253, September 1972. CODEN IJCIAH. ISSN 0091-7036.

Bezdek:1980:SPC

- [BWE80] James C. Bezdek, Michael P. Windham, and Robert Ehrlich. Statistical parameters of cluster validity functionals. *International Journal of Computer and Information Sciences*, 9(4):323–336, August 1980. CODEN IJCIAH. ISSN 0091-7036.

Cannon:1976:ATC

- [Can76] R. L. Cannon, Jr. An algebraic technique for context-sensitive parsing. *International Journal of Computer and Information Sciences*, 5(3):257–276, September 1976. CODEN IJCIAH. ISSN 0091-7036.

Cannon:1979:NCL

- [Can79] Robert L. Cannon, Jr. Notes on canonical label languages. *International Journal of Computer and Information Sciences*, 8(2):141–148, April 1979. CODEN IJCIAH. ISSN 0091-7036.

Casanova:1983:TDD

- [Cas83] Marco A. Casanova. A theory of data dependencies over relational expressions. *International*

Journal of Computer and Information Sciences, 12(3):151–191, June 1983. CODEN IJCIAH. ISSN 0091-7036.

Charnes:1980:CCS

- [CCDK80] A. Charnes, W. W. Cooper, S. Duffuaa, and M. Kress. Complexity and computability of solutions to linear programming systems. *International Journal of Computer and Information Sciences*, 9(6):483–506, December 1980. CODEN IJCIAH. ISSN 0091-7036.

Chang:1984:CHC

- [CD84] S. K. Chang and J. C. Dornig. Concatenated hash code selection. *International Journal of Computer and Information Sciences*, 13(5):395–412, October 1984. CODEN IJCIAH. ISSN 0091-7036.

Chen:1978:SOS

- [CELT78] T. C. Chen, K. P. Eswaran, V. Y. Lum, and C. Tung. Simplified odd-even sort using multiple shift-register loops. *International Journal of Computer and Information Sciences*, 7(3):295–314, September 1978. CODEN IJCIAH. ISSN 0091-7036.

Chen:1980:FCR

- [Che80] Tsong Yueh Chen. Formalization of correctness of recursive definitions. *International Journal of Computer and Information Sciences*, 9(1):55–61, February 1980. CODEN IJCIAH. ISSN 0091-7036.

- Chen:1985:GSG**
- [Che85a] Jin Hua Chen. LL(1) grammars and sub-LL(1) grammars. *International Journal of Computer and Information Sciences*, 14(4): 225–234, 1985.
- Chen:1985:LGS**
- [Che85b] Jinhua Chen. LL(1) grammar and Sub-LL(1) grammars. *International Journal of Computer and Information Sciences*, 14(4): 225–234, August 1985. CODEN IJCIAH. ISSN 0091-7036.
- Chang:1982:FAD**
- [CL82] Shi Kuo Chang and An Chi Liu. File allocation in a distributed database. *International Journal of Computer and Information Sciences*, 11(5):325–340, October 1982. CODEN IJCIAH. ISSN 0091-7036.
- Clark:1973:PTO**
- [Cla73] J. L. Clark. PATRICIA-II. two-level overlaid indexes for large libraries. *International Journal of Computer and Information Sciences*, 2(4):269–292, December 1973. CODEN IJCIAH. ISSN 0091-7036.
- Cunha:1980:DSM**
- [CLM80] P. R. F. Cunha, C. J. Lucena, and T. S. E. Maibaum. On the design and specification of message oriented programs. *International Journal of Computer and Information Sciences*, 9(3):161–191, June 1980. CODEN IJCIAH. ISSN 0091-7036.
- Chang:1985:TCG**
- [CLYY85] S. K. Chang, B. Luo, C. C. Yang, and M. C. K. Yang. Trace confirmation with given object position. *International Journal of Computer and Information Sciences*, 14(6):439–453, December 1985. CODEN IJCIAH. ISSN 0091-7036.
- Cutler:1980:UPI**
- [CM80] Robert B. Cutler and Saburo Muroga. Useless prime implicants of incompletely specified multiple-output switching functions. *International Journal of Computer and Information Sciences*, 9(4):337–350, August 1980. CODEN IJCIAH. ISSN 0091-7036.
- Chan:1985:NMP**
- [CM85] B. Chan and H. Meijer. A note on the method of puzzles for key distribution. *International Journal of Computer and Information Sciences*, 14(4):221–223, August 1985. CODEN IJCIAH. ISSN 0091-7036.
- Chang:1984:SC**
- [CP84] Lena Chang and Arthur T. Poe. Surjections and coverings. *International Journal of Computer and Information Sciences*, 13(6): 509–520, December 1984. CODEN IJCIAH. ISSN 0091-7036.
- Cohen:1980:INL**
- [CS80] J. Cohen and R. Stachel. An interpreter for a nondeterministic language. *International Journal of Computer and Information Sciences*, 9(3):193–217, June

1980. CODEN IJCIAH. ISSN 0091-7036.
- [CTW74] J. Cohen, L. Trilling, and P. Wegner. A nucleus of a theorem-prover described in ALGOL-68. *International Journal of Computer and Information Sciences*, 3(1):1–31, March 1974. CODEN IJCIAH. ISSN 0091-7036.
- [CW79] K. Culik, II and D. Wood. Doubly deterministic tabled OL systems. *International Journal of Computer and Information Sciences*, 8(4):335–347, August 1979. CODEN IJCIAH. ISSN 0091-7036.
- [Dal75a] M. Dal Cin. Fuzzy-state automata: their stability and fault tolerance. *International Journal of Computer and Information Sciences*, 4(1):63–80, March 1975. CODEN IJCIAH. ISSN 0091-7036.
- [Dal75b] M. Dal Cin. Modification tolerance of fuzzy-state automata. *International Journal of Computer and Information Sciences*, 4(1):81–93, March 1975. CODEN IJCIAH. ISSN 0091-7036.
- [Das77] B. V. Dasarathy. FEAST: feature evaluation and selection technique for deployment in unsupervised nonparametric environments. *International Journal of Computer and Information Sciences*, 6(4):307–315, December 1977. CODEN IJCIAH. ISSN 0091-7036.
- [DB78] B. V. Dasarathy and K. P. Bharath Kumar. CHITRA: cognitive handprinted input-trained recursively analyzing system for recognition of alphanumeric characters. *International Journal of Computer and Information Sciences*, 7(3):253–282, September 1978. CODEN IJCIAH. ISSN 0091-7036.
- [Dd77] F. R. Dias Velasco and C. de Renna e Souza. An application of formal linguistics to scene recognition. *International Journal of Computer and Information Sciences*, 6(4):289–306, December 1977. CODEN IJCIAH. ISSN 0091-7036.
- [DI80] D. M. Dhamdhare and J. R. Isaac. A composite algorithm for strength reduction and code movement optimization. *International Journal of Computer and Information Sciences*, 9(3):243–273, June 1980. CODEN IJCIAH. ISSN 0091-7036.
- [Did73] E. Diday. The dynamic clusters method in nonhierarchical clustering. *International Journal of Computer and Information Sciences*, 2(1):61–88, March 1973.

- CODEN IJCIAH. ISSN 0091-7036.
- [DL76] **Dasarathy:1976:SLE**
B. V. Dasarathy and A. L. Lakshminarasimhan. Sequential learning employing unfamiliar teacher hypothesis (SLEUTH) with concurrent estimation of both the parameters and teacher characteristics. *International Journal of Computer and Information Sciences*, 5(1):1–7, March 1976. CODEN IJCIAH. ISSN 0091-7036.
- [DL79] **Dasarathy:1979:LUV**
B. V. Dasarathy and A. L. Lakshminarasimhan. Learning under a VEDIC teacher (pattern recognition). *International Journal of Computer and Information Sciences*, 8(1):75–88, February 1979. CODEN IJCIAH. ISSN 0091-7036.
- [dLD85] **deMaine:1985:TPL**
P. A. D. de Maine, S. Leong, and C. G. Davis. A transportable programming language (TPL) system. I overview. *International Journal of Computer and Information Sciences*, 14(3):161–182, June 1985. CODEN IJCIAH. ISSN 0091-7036.
- [dMF81] **dosSantos:1981:CMD**
C. S. dos Santos, T. S. E. Maibaum, and A. L. Furtado. Conceptual modeling of data base operations. *International Journal of Computer and Information Sciences*, 10(5):299–314, October 1981. CODEN IJCIAH. ISSN 0091-7036.
- [DNR81] **DiSanto:1981:EIR**
M. Di Santo, L. Nigro, and W. Russo. On the efficient implementation of retention block-structured languages. *International Journal of Computer and Information Sciences*, 10(1):39–54, February 1981. CODEN IJCIAH. ISSN 0091-7036.
- [Dor76] **Dorrough:1976:PCT**
D. Dorrough. Pattern classes: a technique for recovering their distributions. *International Journal of Computer and Information Sciences*, 5(2):165–199, June 1976. CODEN IJCIAH. ISSN 0091-7036.
- [DS85] **Dandamudi:1985:EPC**
S. P. Dandamudi and P. G. Sorenson. An empirical performance comparison of some variations of the k - d tree and BD tree. *International Journal of Computer and Information Sciences*, 14(3):135–159, June 1985. CODEN IJCIAH. ISSN 0091-7036.
- [Duj80] **Dujmovic:1980:CSC**
J. J. Dujmovic. Computer selection and criteria for computer performance evaluation. *International Journal of Computer and Information Sciences*, 9(6):435–458, December 1980. CODEN IJCIAH. ISSN 0091-7036.
- [Dut85] **Dutta:1985:MMC**
A. Dutta. Modeling of multiple copy update costs for file allocation in distributed databases. *International Journal of Computer*

- and *Information Sciences*, 14(1): 29–34, February 1985. CODEN IJCIAH. ISSN 0091-7036.
- [DW84] **Dasgupta:1984:UHL**
Subrata Dasgupta and Alan Wagner. The use of Hoare logic in the verification of horizontal microprograms. *International Journal of Computer and Information Sciences*, 13(6):461–490, December 1984. CODEN IJCIAH. ISSN 0091-7036.
- [Ear74] **Earley:1974:SEU**
J. Earley. Syntax extension using a run time model. *International Journal of Computer and Information Sciences*, 3(3):189–196, September 1974. CODEN IJCIAH. ISSN 0091-7036.
- [EC79] **Epstein:1979:STE**
H. I. Epstein and B. F. Caviness. A structure theorem for the elementary functions and its application to the identity problem. *International Journal of Computer and Information Sciences*, 8(1):9–37, February 1979. CODEN IJCIAH. ISSN 0091-7036.
- [Edm77] **Edmundson:1977:SIM**
H. P. Edmundson. Statistical inference in mathematical and computational linguistics. *International Journal of Computer and Information Sciences*, 6(2): 95–129, June 1977. CODEN IJCIAH. ISSN 0091-7036.
- [EJM73] **Ealer:1973:DBO**
G. C. Ealer, N. F. Jensen, and E. G. Monaco. Data base organization and retrieval techniques for steam turbine engineering. *International Journal of Computer and Information Sciences*, 2(4):293–309, December 1973. CODEN IJCIAH. ISSN 0091-7036.
- [Ell78] **Ellis:1978:ASA**
Clarence A. Ellis. Analysis of some abstract measures of protection in computer systems. *International Journal of Computer and Information Sciences*, 7(3): 219–251, September 1978. CODEN IJCIAH. ISSN 0091-7036.
- [ELR75] **Ehrenfeucht:1975:SCV**
A. Ehrenfeucht, K. P. Lee, and G. Rozenberg. Subword complexities of various classes of deterministic developmental languages with interactions. *International Journal of Computer and Information Sciences*, 4(3):219–236, September 1975. CODEN IJCIAH. ISSN 0091-7036.
- [Er84] **Er:1984:IAC**
M. C. Er. An iterative algorithm for the cyclic Towers of Hanoi problem. *International Journal of Computer and Information Sciences*, 13(2):123–129, April 1984. CODEN IJCIAH. ISSN 0091-7036.
- [ES85] **Elmagarmid:1985:PDD**
A. K. Elmagarmid and A. P. Sheth. A partially distributed deadlock detection algorithm. *International Journal of Computer and Information Sciences*, 14(5):

- 307–330, October 1985. CODEN IJCIAH. ISSN 0091-7036.
- [ET79] **Edmundson:1979:NPC**
H. P. Edmundson and Immanuel I. Tung. The notion of a probabilistic cellular acceptor. *International Journal of Computer and Information Sciences*, 8(3):181–208, June 1979. CODEN IJCIAH. ISSN 0091-7036.
- [FK84] **Fukuda:1984:ITA**
H. Fukuda and K. Kamata. Inference of tree automata from sample sets of trees. *International Journal of Computer and Information Sciences*, 13(3):177–196, June 1984. CODEN IJCIAH. ISSN 0091-7036.
- [FC73] **Findler:1973:PTR**
N. V. Findler and D. Chen. On the problems of time, retrieval of temporal relations, causality, and coexistence. *International Journal of Computer and Information Sciences*, 2(3):161–185, September 1973. CODEN IJCIAH. ISSN 0091-7036.
- [Fur76] **Furtado:1976:CSD**
A. L. Furtado. Characterizing sets of data structures by the connectivity relation. *International Journal of Computer and Information Sciences*, 5(2):89–109, June 1976. CODEN IJCIAH. ISSN 0091-7036.
- [FF76] **Fung:1976:ESD**
L. W. Fung and K. S. Fu. An error-correcting syntactic decoder for computer networks. *International Journal of Computer and Information Sciences*, 5(1):45–58, March 1976. CODEN IJCIAH. ISSN 0091-7036.
- [FH72] **Fu:1972:SGL**
K. S. Fu and T. Huang. Stochastic grammars and languages. *International Journal of Computer and Information Sciences*, 1(2):135–170, June 1972. CODEN IJCIAH. ISSN 0091-7036.
- [FHP81] **Farley:1981:PTM**
Arthur Farley, Stephen Hedetniemi, and Andrzej Proskurowski. Partitioning trees: matching, domination, and maximum diameter. *International Journal of Computer and Information Sciences*, 10(1):55–61, February 1981. CODEN IJCIAH. ISSN 0091-7036.
- [GET76] **Gonzalez:1976:AIT**
R. C. Gonzalez, J. J. Edwards, and M. G. Thomason. An algorithm for the inference of tree grammars. *International Journal of Computer and Information Sciences*, 5(2):145–164, June 1976. CODEN IJCIAH. ISSN 0091-7036.
- [Gab76] **Gabow:1976:UEP**
H. N. Gabow. Using Euler partitions to edge color bipartite multigraphs. *International Journal of Computer and Information Sciences*, 5(4):345–355, December 1976. CODEN IJCIAH. ISSN 0091-7036.

- [GF79] **Gotlieb:1979:DSB**
 C. C. Gotlieb and A. L. Furtado. Data schemata based on directed graphs. *International Journal of Computer and Information Sciences*, 8(1):39–73, February 1979. CODEN IJCIAH. ISSN 0091-7036.
- [GG82] **Giloi:1982:CRH**
 W. K. Giloi and R. Gueth. Concepts and realization of a high-performance data type architecture. *International Journal of Computer and Information Sciences*, 11(1):25–54, February 1982. CODEN IJCIAH. ISSN 0091-7036.
- [Gli83] **Gligor:1983:VPM**
 V. D. Gligor. The verification of the protection mechanisms of high-level language machines. *International Journal of Computer and Information Sciences*, 12(4):211–246, August 1983. CODEN IJCIAH. ISSN 0091-7036.
- [GM82] **Grant:1982:OES**
 John Grant and Jack Minker. On optimizing the evaluation of a set of expressions. *International Journal of Computer and Information Sciences*, 11(3):179–191, June 1982. CODEN IJCIAH. ISSN 0091-7036.
- [GP83] **Gyssens:1983:AVF**
 M. Gyssens and J. Paredaens. Another view of functional and multivalued dependencies in the relational database model. *International Journal of Computer and Information Sciences*, 12(4):247–267, August 1983. CODEN IJCIAH. ISSN 0091-7036.
- [Gre74] **Greibach:1974:SRW**
 S. A. Greibach. Some restrictions on W-grammars. *International Journal of Computer and Information Sciences*, 3(4):289–327, December 1974. CODEN IJCIAH. ISSN 0091-7036.
- [Gui81] **Guida:1981:EPS**
 G. Guida. An effective preprocessor for structured FORTRAN: the HENTRAN system. *International Journal of Computer and Information Sciences*, 10(4):283–297, August 1981. CODEN IJCIAH. ISSN 0091-7036.
- [Gut76] **Guttmann:1976:PRD**
 A. J. Guttmann. Programming recursively defined functions in FORTRAN. *International Journal of Computer and Information Sciences*, 5(2):111–122, June 1976. CODEN IJCIAH. ISSN 0091-7036.
- [Ham77] **Hamlet:1977:ETP**
 R. G. Hamlet. Execution traces and programming-language semantics. *International Journal of Computer and Information Sciences*, 6(4):263–278, December 1977. CODEN IJCIAH. ISSN 0091-7036.
- [Har80] **Hart:1980:FRB**
 Johnson M. Hart. Fast recognition of Baxter permutations using syntactical and complete bipartite composite dag's. *International Journal of Computer and Information Sciences*, 12(4):247–267, August 1983. CODEN IJCIAH. ISSN 0091-7036.

- Information Sciences*, 9(4):307–321, August 1980. CODEN IJ-CIAH. ISSN 0091-7036. [HM82]
- Hellerman:1977:SMP**
- [HC77] H. Hellerman and R. Cavallo. On the solution of multiattribute problems involving counting in intersecting sets. *International Journal of Computer and Information Sciences*, 6(1):1–7, March 1977. CODEN IJCIAH. ISSN 0091-7036. [HM83]
- Hinomoto:1976:OFI**
- [Hin76] H. Hinomoto. Observations of a firm’s information processing with a data base management system. *International Journal of Computer and Information Sciences*, 5(3):277–302, September 1976. CODEN IJCIAH. ISSN 0091-7036. [Hoa75]
- Hughes:1977:AFA**
- [HK77] J. S. Hughes and A. Kandel. Applications of fuzzy algebra to hazard detection in combinational switching circuits. *International Journal of Computer and Information Sciences*, 6(1):71–82, March 1977. CODEN IJCIAH. ISSN 0091-7036. [Hof78]
- Harnett:1985:OTR**
- [HK85] R. M. Harnett and G. C. Kiel. Optimal taxiway repair: a set-covering approach. *International Journal of Computer and Information Sciences*, 14(6):405–419, December 1985. CODEN IJ-CIAH. ISSN 0091-7036. [Hon85]
- Hassen:1982:ESD**
- J. V. Hassen and W. F. Messier, Jr. Expert systems for decision support in EDP auditing. *International Journal of Computer and Information Sciences*, 11(5):357–379, October 1982. CODEN IJCIAH. ISSN 0091-7036. [Hansen:1983:SME]
- J. V. Hansen and W. F. Messier, Jr. Scheduling the monitoring of EDP controls in online systems. *International Journal of Computer and Information Sciences*, 12(1):35–46, February 1983. CODEN IJCIAH. ISSN 0091-7036. [Hoare:1975:RDS]
- C. A. R. Hoare. Recursive data structures. *International Journal of Computer and Information Sciences*, 4(2):105–132, June 1975. CODEN IJCIAH. ISSN 0091-7036. [Hofri:1978:GAM]
- M. Hofri. A generating-function analysis of multiprogramming queues. *International Journal of Computer and Information Sciences*, 7(2):121–155, June 1978. CODEN IJCIAH. ISSN 0091-7036. [Hong:1985:AEM]
- Jia Rong Hong. AE1: an extension matrix approximate method for the general covering problem. *International Journal of Computer and Information Sciences*, 14(6):421–437, December 1985. CODEN IJCIAH. ISSN 0091-7036.

- [Hoo85] **Hooper:1985:BSL** J. W. Hooper. BPL: a set-based language for distributed system prototyping. *International Journal of Computer and Information Sciences*, 14(2):83–105, April 1985. CODEN IJ-CIAH. ISSN 0091-7036.
- [HR82] **Hooper:1982:SS** J. W. Hooper and K. D. Reilly. Simulation strategies. *International Journal of Computer and Information Sciences*, 11(2):101–122, April 1982. CODEN IJ-CIAH. ISSN 0091-7036.
- [HR83] **Hooper:1983:GCG** J. W. Hooper and K. D. Reilly. The GPSS-GASP combined (GGC) system. *International Journal of Computer and Information Sciences*, 12(2):111–136, April 1983. CODEN IJ-CIAH. ISSN 0091-7036.
- [HS78] **Hunter:1978:MPP** D. W. Hunter and G. S. Shedler. Multivariate point process models for response times in multi-programmed systems. *International Journal of Computer and Information Sciences*, 7(2):193–217, June 1978. CODEN IJ-CIAH. ISSN 0091-7036.
- [HS85] **Hurson:1985:CSM** A. R. Hurson and B. Shirazi. A class of systolic multiplier units for VLSI technology. *International Journal of Computer and Information Sciences*, 14(5):261–275, October 1985. CODEN IJ-CIAH. ISSN 0091-7036.
- [HT81] **Huang:1981:NTW** C. H. Huang and F. J. Taylor. A new technique for WFTA input/output reordering. *International Journal of Computer and Information Sciences*, 10(1):27–37, February 1981. CODEN IJ-CIAH. ISSN 0091-7036.
- [Hua85] **Huang:1985:MEH** S.-H. S. Huang. Multidimensional extendible hashing for partial-match queries. *International Journal of Computer and Information Sciences*, 14(2):73–82, April 1985. CODEN IJ-CIAH. ISSN 0091-7036.
- [Hug72] **Hughes:1972:DUA** C. E. Hughes. Degrees of unsolvability associated with Markov algorithms. *International Journal of Computer and Information Sciences*, 1(4):355–365, December 1972. CODEN IJ-CIAH. ISSN 0091-7036.
- [Hun72] **Hunter:1972:DRC** L. W. Hunter. A data representation code for text processing systems. *International Journal of Computer and Information Sciences*, 1(1):29–42, March 1972. CODEN IJ-CIAH. ISSN 0091-7036.
- [Hur84] **Hurson:1984:VDP** A. R. Hurson. A VLSI design for the parallel finite state automaton and its performance evaluation as a hardware scanner. *International Journal of Computer and Information Sciences*, 13(6):

- 491–508, December 1984. CODEN IJCIAH. ISSN 0091-7036.
- [Hwa75] **Hwang:1975:SSC**
K. Hwang. Some structural complexities of time-varying sequential machines. *International Journal of Computer and Information Sciences*, 4(3):237–245, September 1975. CODEN IJCIAH. ISSN 0091-7036.
- [IA72] **Inselberg:1972:TLS**
A. D. Inselberg and E. B. Altman. 2-SLIDS: a two-stage linked storage structure with link-dependent data capabilities. *International Journal of Computer and Information Sciences*, 1(2):115–133, June 1972. CODEN IJCIAH. ISSN 0091-7036.
- [IAT85a] **Ishida:1985:ASD**
Y. Ishida, N. Adachi, and H. Tokumaru. An analysis of self-diagnosis model by conditional fault set. *International Journal of Computer and Information Sciences*, 14(5):243–259, 1985.
- [IAT85b] **Ishida:1985:ASM**
Y. Ishida, N. Adachi, and H. Tokumaru. An analysis of self-diagnosis model by conditional fault set. *International Journal of Computer and Information Sciences*, 14(5):243–259, October 1985. CODEN IJCIAH. ISSN 0091-7036.
- [Iba76] **Ibaraki:1976:TCS**
T. Ibaraki. Theoretical comparisons of search strategies in branch-and-bound algorithms. *International Journal of Computer and Information Sciences*, 5(4):315–344, December 1976. CODEN IJCIAH. ISSN 0091-7036.
- [Iba78] **Ibaraki:1978:DSB**
Toshihide Ibaraki. Depth- m search in branch-and-bound algorithms. *International Journal of Computer and Information Sciences*, 7(4):315–343, December 1978. CODEN IJCIAH. ISSN 0091-7036.
- [IH74] **Ignizio:1974:HAS**
J. P. Ignizio and R. M. Harnett. Heuristically aided set-covering algorithms. *International Journal of Computer and Information Sciences*, 3(1):59–70, March 1974. CODEN IJCIAH. ISSN 0091-7036.
- [ILBM72] **Ibaraki:1972:IEP**
T. Ibaraki, T. K. Liu, C. R. Baugh, and S. Muroga. An implicit enumeration program for zero-one integer programming. *International Journal of Computer and Information Sciences*, 1(1):75–92, March 1972. CODEN IJCIAH. ISSN 0091-7036.
- [Isc77] **Iscovici:1977:FAM**
S. Iscovici. Field analysis: a mathematical method of analysis for information handling processes. *International Journal of Computer and Information Sciences*, 6(2):165–178, June 1977. CODEN IJCIAH. ISSN 0091-7036.

- Ivakhnenko:1973:PCS**
- [Iva73] A. G. Ivakhnenko. Problems of complex system modeling and applied mathematical statistics. *International Journal of Computer and Information Sciences*, 2(1):49–60, March 1973. CODEN IJCIAH. ISSN 0091-7036.
- Ivakhnenko:1979:DMO**
- [Iva79] A. G. Ivakhnenko. Development of models of optimal complexity using self-organization theory. *International Journal of Computer and Information Sciences*, 8(2):111–127, April 1979. CODEN IJCIAH. ISSN 0091-7036.
- Jain:1973:EFW**
- [Jai73] V. K. Jain. ECG waveform feature extraction and its application to automated prognosis. *International Journal of Computer and Information Sciences*, 2(3):231–247, September 1973. CODEN IJCIAH. ISSN 0091-7036.
- Jappinen:1981:SFR**
- [Jap81] H. Jappinen. Sense-controlled flexible robot behavior. *International Journal of Computer and Information Sciences*, 10(2):105–125, April 1981. CODEN IJCIAH. ISSN 0091-7036.
- H:1981:CPL**
- [JMW81a] H. Jürgensen, D. E. Matthews, and D. Wood. Cut point languages of Markov DTOL systems. *International Journal of Computer and Information Sciences*, 10(5):331–340, 1981.
- Jurgensen:1981:CPL**
- [JMW81b] H. Jurgensen, D. E. Matthews, and D. Wood. Cut point languages of Markov DTOL systems. *International Journal of Computer and Information Sciences*, 10(5):331–340, October 1981. CODEN IJCIAH. ISSN 0091-7036.
- Jajodia:1983:EDW**
- [JNS83a] S. Jajodia, P. A. Ng, and F. N. Springsteel. Entity-relationship diagrams which are in BCNF. *International Journal of Computer and Information Sciences*, 12(4):269–283, August 1983. CODEN IJCIAH. ISSN 0091-7036.
- Jajodia:1983:ERD**
- [JNS83b] Sushil Jajodia, Peter A. Ng, and Frederick N. Springsteel. Entity-relationship diagrams which are in BCNF. *International Journal of Computer and Information Sciences*, 12(4):269–283, 1983.
- Johnston:1976:CGB**
- [Joh76] H. C. Johnston. Cliques of a graph-variations on the Bron-Kerbosch algorithm. *International Journal of Computer and Information Sciences*, 5(3):209–238, September 1976. CODEN IJCIAH. ISSN 0091-7036.
- Jordan:1977:NLU**
- [Jor77] S. R. Jordan. A natural language understander based on a freely associated learned memory net. *International Journal of Computer and Information Sciences*,

- 6(1):9–25, March 1977. CODEN IJ CIAH. ISSN 0091-7036.
- [JS85a] H. Jürgensen and A. Salomaa. Syntactic monoids in the construction of systolic tree automata. *International Journal of Computer and Information Sciences*, 14(1):35–49, 1985.
- [Kak83] Subhash C. Kak. Exponentiation modulo a polynomial for data security. *International Journal of Computer and Information Sciences*, 12(5):337–346, October 1983. CODEN IJ CIAH. ISSN 0091-7036.
- [JS85b] H. Jurgensen and A. Salomaa. Syntactic monoids in the construction of systolic tree automata. *International Journal of Computer and Information Sciences*, 14(1):35–49, February 1985. CODEN IJ CIAH. ISSN 0091-7036.
- [Kak84] S. C. Kak. On the method of puzzles for key distribution. *International Journal of Computer and Information Sciences*, 13(2):103–109, April 1984. CODEN IJ CIAH. ISSN 0091-7036.
- [JT83a] H. Jürgensen and G. Thierrin. On ω -languages whose syntactic monoid is trivial. *International Journal of Computer and Information Sciences*, 12(5):359–365, 1983.
- [Kam75] H. Kameda. The analysis of an adaptive workload balancing strategy in computing system resources management. *International Journal of Computer and Information Sciences*, 4(4):295–306, December 1975. CODEN IJ CIAH. ISSN 0091-7036.
- [JT83b] H. Jurgensen and G. Thierrin. On omega-languages whose syntactic monoid is trivial. *International Journal of Computer and Information Sciences*, 12(5):359–365, October 1983. CODEN IJ CIAH. ISSN 0091-7036.
- [Kand74] A. Kandel. Application of fuzzy logic to the detection of static hazards in combinational switching systems. *International Journal of Computer and Information Sciences*, 3(2):129–139, June 1974. CODEN IJ CIAH. ISSN 0091-7036.
- [Kai77] Hwang Kai. On syntactic edge detection in noisy pictures. *International Journal of Computer and Information Sciences*, 6(1):27–40, March 1977. CODEN IJ CIAH. ISSN 0091-7036.
- [Kak83] Subhash C. Kak. Exponentiation modulo a polynomial for data security. *International Journal of Computer and Information Sciences*, 12(5):337–346, October 1983. CODEN IJ CIAH. ISSN 0091-7036.
- [Kak84] S. C. Kak. On the method of puzzles for key distribution. *International Journal of Computer and Information Sciences*, 13(2):103–109, April 1984. CODEN IJ CIAH. ISSN 0091-7036.
- [Kam75] H. Kameda. The analysis of an adaptive workload balancing strategy in computing system resources management. *International Journal of Computer and Information Sciences*, 4(4):295–306, December 1975. CODEN IJ CIAH. ISSN 0091-7036.
- [Kand74] A. Kandel. Application of fuzzy logic to the detection of static hazards in combinational switching systems. *International Journal of Computer and Information Sciences*, 3(2):129–139, June 1974. CODEN IJ CIAH. ISSN 0091-7036.
- [Kai77] Hwang Kai. On syntactic edge detection in noisy pictures. *International Journal of Computer and Information Sciences*, 6(1):27–40, March 1977. CODEN IJ CIAH. ISSN 0091-7036.
- [Kat72] H. Katzan, Jr. An APL approach to the representation and manipulation of data structures. *International Journal of Computer*

and *Information Sciences*, 1(2): 93–113, June 1972. CODEN IJ-CIAH. ISSN 0091-7036.

Koh:1979:FMS

- [KC79] Hikyoo Koh and Henry Y. H. Chuang. Finding a minimal set of base paths of a program. *International Journal of Computer and Information Sciences*, 8(6): 473–488, December 1979. CODEN IJ-CIAH. ISSN 0091-7036.

Kou:1984:CT

- [KH84] Wei Dong Kou and Zheng Hu. CH transform. *International Journal of Computer and Information Sciences*, 13(4):291–307, August 1984. CODEN IJ-CIAH. ISSN 0091-7036.

Kobayashi:1981:EQB

- [Kob81] I. Kobayashi. Evaluation of queries based on the extended relational calculi. *International Journal of Computer and Information Sciences*, 10(2):63–103, April 1981. CODEN IJ-CIAH. ISSN 0091-7036.

Koch:1977:ISD

- [Koc77] H. S. Koch. Information system design for real-time multiprocessing systems. *International Journal of Computer and Information Sciences*, 6(3):193–209, September 1977. CODEN IJ-CIAH. ISSN 0091-7036.

Kodratoff:1979:CFS

- [Kod79] Yves Kodratoff. A class of functions synthesized from a finite number of examples and a LISP program scheme. *International*

Journal of Computer and Information Sciences, 8(6):489–521, December 1979. CODEN IJ-CIAH. ISSN 0091-7036.

Kostovetsky:1983:TST

A. Kostovetsky. Time separation technique for large databases. *International Journal of Computer and Information Sciences*, 12(3): 193–209, June 1983. CODEN IJ-CIAH. ISSN 0091-7036.

Kostovetsky:1984:FDT

A. Kostovetsky. Frequency decomposition technique for large archivable databases. *International Journal of Computer and Information Sciences*, 13(4):237–249, August 1984. CODEN IJ-CIAH. ISSN 0091-7036.

Landskov:1984:MCE

D. Landskov. Microcode compaction; extending the boundaries. *International Journal of Computer and Information Sciences*, 13(1):1–21, February 1984. CODEN IJ-CIAH. ISSN 0091-7036.

Lassez:1976:CCS

J.-L. Lassez. Circular codes and synchronization. *International Journal of Computer and Information Sciences*, 5(2):201–208, June 1976. CODEN IJ-CIAH. ISSN 0091-7036.

Lee:1982:EAF

Edward T. Lee. An efficient algorithm for finding Kleene closure of regular expression matrices. *International Journal of*

- Computer and Information Sciences*, 11(6):409–415, December 1982. CODEN IJCIAH. ISSN 0091-7036. [LF82]
- [Lee83a] D. T. Lee. On finding the convex hull of a simple polygon. *International Journal of Computer and Information Sciences*, 12(2):87–98, April 1983. CODEN IJCIAH. ISSN 0091-7036. **Lee:1983:FCH**
- [Lee83b] Tony T. Lee. A state space approach to the finite automata. *International Journal of Computer and Information Sciences*, 12(5):317–335, October 1983. CODEN IJCIAH. ISSN 0091-7036. **Lee:1983:SSA** [LF84a]
- [Lee84] D. T. Lee. An optimal time and minimal space algorithm for rectangle intersection problems. *International Journal of Computer and Information Sciences*, 13(1):23–32, February 1984. CODEN IJCIAH. ISSN 0091-7036. **Lee:1984:OTM** [LF84b]
- [Lei81] T. Leipala. On the design of one-level indexed sequential files. *International Journal of Computer and Information Sciences*, 10(3):177–186, June 1981. CODEN IJCIAH. ISSN 0091-7036. **Leipala:1981:DOI** [Lin74]
- [Lew81] F. D. Lewis. Stateless Turing machines and fixed points. *International Journal of Computer and Information Sciences*, 10(3):215–218, June 1981. CODEN IJCIAH. ISSN 0091-7036. **Lewis:1981:STM** [Lip72]
- Lin:1982:CPT**
- Wei Chung Lin and King Sun Fu. Conversion and parsing of tree transducers for syntactic pattern analysis. *International Journal of Computer and Information Sciences*, 11(6):417–458, December 1982. CODEN IJCIAH. ISSN 0091-7036.
- Lu:1984:ICF**
- H. R. Lu and K. S. Fu. Inferability of context-free programmed grammars. *International Journal of Computer and Information Sciences*, 13(1):33–58, 1984.
- Lu:1984:ICP**
- H. R. Lu and K. S. Fu. Inferability of context-free programmed grammars. *International Journal of Computer and Information Sciences*, 13(1):33–58, February 1984. CODEN IJCIAH. ISSN 0091-7036.
- Lindstrom:1974:ALS**
- G. Lindstrom. Algorithms for list structure condensation. *International Journal of Computer and Information Sciences*, 3(3):197–216, September 1974. CODEN IJCIAH. ISSN 0091-7036.
- Lipovski:1972:DSC**
- G. J. Lipovski. Data structures in content-addressed cellular memories. *International Journal of Computer and Information Sciences*, 1(4):329–353, December 1972. CODEN IJCIAH. ISSN 0091-7036.

- [LMN74] **Lai:1974:RCT**
Hung Chi Lai, S. Muroga, and T. Nakagawa. Redundancy check technique for designing optimal networks by branch-and-bound method. *International Journal of Computer and Information Sciences*, 3(3):251–271, September 1974. CODEN IJ CIAH. ISSN 0091-7036.
- [LR80] **Lemme:1980:AQA**
J. M. Lemme and J. R. Rice. Adaptive quadrature algorithms for the ILLIAC IV. *International Journal of Computer and Information Sciences*, 9(1):63–72, February 1980. CODEN IJ CIAH. ISSN 0091-7036.
- [LS80] **Lee:1980:TAC**
D. T. Lee and B. J. Schachter. Two algorithms for constructing a Delaunay triangulation. *International Journal of Computer and Information Sciences*, 9(3):219–242, June 1980. CODEN IJ CIAH. ISSN 0091-7036.
- [Mae76] **Maekawa:1976:DPB**
M. Maekawa. Detection of parallelism between statements by decomposing into separate sequential processes. *International Journal of Computer and Information Sciences*, 5(3):239–255, September 1976. CODEN IJ CIAH. ISSN 0091-7036.
- [Mae80] **Maekawa:1980:CPC**
M. Maekawa. A classification of process coordination schemes in descriptive power. *International Journal of Computer and Information Sciences*, 9(5):383–406, October 1980. CODEN IJ CIAH. ISSN 0091-7036.
- [Mag79a] **Mago:1979:NMEa**
G. A. Mago. A network of microprocessors to execute reduction languages. I. *International Journal of Computer and Information Sciences*, 8(5):349–385, October 1979. CODEN IJ CIAH. ISSN 0091-7036.
- [Mag79b] **Mago:1979:NMEb**
G. A. Mago. A network of microprocessors to execute reduction languages. II. *International Journal of Computer and Information Sciences*, 8(6):435–471, December 1979. CODEN IJ CIAH. ISSN 0091-7036.
- [Mag79c] **A:1979:NME**
Gyula A. Magó. A network of microprocessors to execute reduction languages. I. *International Journal of Computer and Information Sciences*, 8(5):349–385, 1979.
- [Mar72] **Maruyama:1972:PDI**
K. Maruyama. A procedure to determine intersections between polyhedral objects. *International Journal of Computer and Information Sciences*, 1(3):255–266, September 1972. CODEN IJ CIAH. ISSN 0091-7036.
- [MH82] **Motzkin:1982:EES**
Dalia Motzkin and Christina L. Hansen. An efficient external sorting with minimal space requirement. *International Journal of Computer and Information Sciences*, 9(5):383–406, October 1980. CODEN IJ CIAH. ISSN 0091-7036.

nal of Computer and Information Sciences, 11(6):381–396, December 1982. CODEN IJCIAH. ISSN 0091-7036.

Minker:1977:NAE

[Min77]

J. Minker. A note on answer extraction in resolution-based systems. *International Journal of Computer and Information Sciences*, 6(3):179–192, September 1977. CODEN IJCIAH. ISSN 0091-7036.

Minsky:1978:OSA

[Min78]

N. Minsky. An operation-control scheme for authorization in computer systems. *International Journal of Computer and Information Sciences*, 7(2):157–191, June 1978. CODEN IJCIAH. ISSN 0091-7036.

Mishelevich:1972:CSA

[Mis72]

D. J. Mishelevich. Computer-based semantic analyzers. *International Journal of Computer and Information Sciences*, 1(3):267–286, September 1972. CODEN IJCIAH. ISSN 0091-7036.

McCormick:1974:TSM

[MJ74]

B. H. McCormick and S. N. Jayaramamurthy. Time series model for texture synthesis. *International Journal of Computer and Information Sciences*, 3(4):329–343, December 1974. CODEN IJCIAH. ISSN 0091-7036.

McCormick:1975:DTM

[MJ75]

B. H. McCormick and S. N. Jayaramamurthy. A decision theory method for the analysis of

texture. *International Journal of Computer and Information Sciences*, 4(1):1–38, March 1975. CODEN IJCIAH. ISSN 0091-7036.

Murty:1981:HCP

[MK81]

M. N. Murty and G. Krishna. A hybrid clustering procedure for concentric and chain-like clusters. *International Journal of Computer and Information Sciences*, 10(6):397–412, December 1981. CODEN IJCIAH. ISSN 0091-7036.

Maibaum:1980:HOD

[ML80]

T. S. E. Maibaum and Carlos J. Lucena. Higher order data types. *International Journal of Computer and Information Sciences*, 9(1):31–53, February 1980. CODEN IJCIAH. ISSN 0091-7036.

Minker:1974:MIR

[MMF74]

J. Minker, J. R. McSkimin, and D. H. Fishman. MRPPS-An interactive refutation proof procedure system for question answering. *International Journal of Computer and Information Sciences*, 3(2):105–122, June 1974. CODEN IJCIAH. ISSN 0091-7036.

Moyne:1975:RCS

[Moy75]

J. A. Moyne. Relevance of computer science to linguistics and vice versa. *International Journal of Computer and Information Sciences*, 4(3):265–279, September 1975. CODEN IJCIAH. ISSN 0091-7036.

- [Moy77] **Moyne:1977:SDB**
 J. A. Moyne. Simple-English for data base communication. *International Journal of Computer and Information Sciences*, 6(4):327–343, December 1977. CODEN IJCIAH. ISSN 0091-7036.
- [Moy80] **Moyne:1980:LUP**
 J. A. Moyne. Language use: a performance model. *International Journal of Computer and Information Sciences*, 9(6):459–481, December 1980. CODEN IJCIAH. ISSN 0091-7036.
- [MS74] **Mateescu:1974:IPM**
 C. A. Mateescu and I. O. Stamatescu. On an information processing model applied to optical illusions and computer simulations. *International Journal of Computer and Information Sciences*, 3(2):153–166, June 1974. CODEN IJCIAH. ISSN 0091-7036.
- [MS85a] **Mlodinow:1985:EPM**
 L. D. Mlodinow and I. O. Stamatescu. An evolutionary procedure for machine learning. *International Journal of Computer and Information Sciences*, 14(4):201–219, August 1985. CODEN IJCIAH. ISSN 0091-7036.
- [MS85b] **Motteler:1985:CMD**
 Howard E. Motteler and Carl H. Smith. A complexity measure for data flow models. *International Journal of Computer and Information Sciences*, 14(2):107–122, April 1985. CODEN IJCIAH. ISSN 0091-7036.
- [MT79] **Maryanski:1979:PSS**
 Fred J. Maryanski and Michael G. Thomason. Properties of stochastic syntax-directed translation schemata. *International Journal of Computer and Information Sciences*, 8(2):89–110, April 1979. CODEN IJCIAH. ISSN 0091-7036.
- [MTC77] **Maruyama:1977:GPA**
 K. Maruyama, D. T. Tang, and S. K. Chang. A general packing algorithm for multidimensional resource requirements. *International Journal of Computer and Information Sciences*, 6(2):131–149, June 1977. CODEN IJCIAH. ISSN 0091-7036.
- [Muz77] **Muzio:1977:POS**
 J. C. Muzio. A prefix operator for a switching algebra. *International Journal of Computer and Information Sciences*, 6(2):151–163, June 1977. CODEN IJCIAH. ISSN 0091-7036.
- [MV74] **Minker:1974:RLR**
 J. Minker and G. J. VanderBrug. Representations of the language recognition problem for a theorem prover. *International Journal of Computer and Information Sciences*, 3(3):217–250, September 1974. CODEN IJCIAH. ISSN 0091-7036.
- [Nau83] **Nau:1983:GGS**
 Dana S. Nau. On game graph structure and its influence on pathology. *International Journal of Computer and Information*

- Sciences*, 12(6):367–383, December 1983. CODEN IJCIAH. ISSN 0091-7036.
- Nishihara:1974:FTQ**
- [NH74] S. Nishihara and H. Hagiwara. A full table quadratic search method eliminating secondary clustering. *International Journal of Computer and Information Sciences*, 3(2):123–128, June 1974. CODEN IJCIAH. ISSN 0091-7036.
- Niemi:1983:FRF**
- [Nie83] Timo Niemi. Formal restructuring functions for hierarchical data bases. *International Journal of Computer and Information Sciences*, 12(6):385–411, December 1983. CODEN IJCIAH. ISSN 0091-7036.
- Niemi:1984:SDR**
- [Nie84] T. Niemi. Specification of data restructuring software based on the attribute method. *International Journal of Computer and Information Sciences*, 13(6):425–460, December 1984. CODEN IJCIAH. ISSN 0091-7036.
- Neff:1977:SFS**
- [NK77] T. P. Neff and A. Kandel. Simplification of fuzzy switching functions. *International Journal of Computer and Information Sciences*, 6(1):55–70, March 1977. CODEN IJCIAH. ISSN 0091-7036.
- Ng:1980:DIS**
- [NT80] Peter A. Ng and Lun Tsai. The design and implementation of a scheme for large ordered indices. *International Journal of Computer and Information Sciences*, 9(5):407–434, October 1980. CODEN IJCIAH. ISSN 0091-7036.
- ORourke:1985:FME**
- [O’R85] Joseph O’Rourke. Finding minimal enclosing boxes. *International Journal of Computer and Information Sciences*, 14(3):183–199, June 1985. CODEN IJCIAH. ISSN 0091-7036.
- Orlowska:1982:RTI**
- [Orl82a] E. Orlowska. Representation of temporal information. *International Journal of Computer and Information Sciences*, 11(6):397–408, December 1982. CODEN IJCIAH. ISSN 0091-7036.
- Ewa:1982:RTI**
- [Orl82b] Ewa Orlowska. Representation of temporal information. *International Journal of Computer and Information Sciences*, 11(6):397–408, 1982.
- Orman:1984:FMD**
- [Orm84] L. Orman. Familial model of data. *International Journal of Computer and Information Sciences*, 13(3):149–175, June 1984. CODEN IJCIAH. ISSN 0091-7036.
- Ottmann:1984:BST**
- [ORSW84] Thomas Ottmann, Arnold L. Rosenberg, Hans-Werner Six, and Derick Wood. Binary search trees with binary comparison cost. *International Journal of*

- Computer and Information Sciences*, 13(2):77–101, April 1984. CODEN IJCIAH. ISSN 0091-7036.
- [OT73] R. E. Osteen and J. T. Tou. A clique-detection algorithm based on neighborhoods in graphs. *International Journal of Computer and Information Sciences*, 2(4):257–268, December 1973. CODEN IJCIAH. ISSN 0091-7036.
- [OW82a] Th. Ottman and D. Wood. A comparison of iterative and defined classes of search trees. *International Journal of Computer and Information Sciences*, 11(3):155–178, 1982.
- [OW82b] Th. Ottmann and D. Wood. A comparison of iterative and defined classes of search trees. *International Journal of Computer and Information Sciences*, 11(3):155–178, June 1982. CODEN IJCIAH. ISSN 0091-7036.
- [Par84] Roy P. Pargas. Parallel solution of recurrences on a tree machine. *International Journal of Computer and Information Sciences*, 13(4):251–277, August 1984. CODEN IJCIAH. ISSN 0091-7036.
- [Paw82] Zdzisław Pawlak. Rough sets. *International Journal of Computer and Information Sciences*, 11(5):341–356, October 1982. CODEN IJCIAH. ISSN 0091-7036.
- [Pay73] W. H. Payne. Partial sorting: a large vector technique and its application. *International Journal of Computer and Information Sciences*, 2(2):141–156, June 1973. CODEN IJCIAH. ISSN 0091-7036.
- [PF75] E. Persoon and K. S. Fu. Sequential classification of strings generated by SCFG's. *International Journal of Computer and Information Sciences*, 4(3):205–217, September 1975. CODEN IJCIAH. ISSN 0091-7036.
- [PIB⁺75] P. C. Parks, A. G. Ivakhnenko, L. M. Boichuk, Svetalsky, and B. K. A self-organizing model of the British economy for control with optimal prediction using the balance-of-variables criterion. *International Journal of Computer and Information Sciences*, 4(4):349–379, December 1975. CODEN IJCIAH. ISSN 0091-7036.
- [Pro79] Andrzej Proskurowski. Minimum dominating cycles in 2-trees. *International Journal of Computer and Information Sciences*, 8(5):405–417, October 1979. CODEN IJCIAH. ISSN 0091-7036.
- [PS81] Andrzej Proskurowski and Maciej M. Sysło. Minimum dominating cycles in outerplanar graphs.

- International Journal of Computer and Information Sciences*, 10(2):127–139, April 1981. CODEN IJCIAH. ISSN 0091-7036.
- Putkonen:1980:OMO**
- [Put80] Anne Putkonen. The order of merging operations for queries in inverted file systems. *International Journal of Computer and Information Sciences*, 9(5):351–369, October 1980. CODEN IJCIAH. ISSN 0091-7036.
- Ras:1982:AAI**
- [Ras82a] Z. W. Ras. An algebraic approach to information retrieval systems. *International Journal of Computer and Information Sciences*, 11(4):275–293, August 1982. CODEN IJCIAH. ISSN 0091-7036.
- W:1982:AAI**
- [Raś82b] Zbigniew W. Raś. An algebraic approach to information retrieval systems. *International Journal of Computer and Information Sciences*, 11(4):275–293, 1982.
- Rose:1973:TDF**
- [RG73] L. L. Rose and M. H. Gotterer. A theory of dynamic file management in a multilevel store. *International Journal of Computer and Information Sciences*, 2(4):249–256, December 1973. CODEN IJCIAH. ISSN 0091-7036.
- Rose:1975:FEA**
- [RG75] L. L. Rose and M. H. Gotterer. File evaluation in auxiliary storage. *International Journal of Computer and Information Sciences*, 4(3):197–204, September 1975. CODEN IJCIAH. ISSN 0091-7036.
- Roussopoulos:1985:SMS**
- [RM85] N. Roussopoulos and L. Mark. Schema manipulation in self-describing and self-documenting data models. *International Journal of Computer and Information Sciences*, 14(1):1–28, February 1985. CODEN IJCIAH. ISSN 0091-7036.
- Rosenberg:1975:SAM**
- [Ros75] A. L. Rosenberg. On storing arbitrarily many extendible arrays of arbitrary dimensions. *International Journal of Computer and Information Sciences*, 4(2):189–196, June 1975. CODEN IJCIAH. ISSN 0091-7036.
- Rozenberg:1973:ETL**
- [Roz73] G. Rozenberg. Extension of tabled 0L-systems and languages. *International Journal of Computer and Information Sciences*, 2(4):311–336, December 1973. CODEN IJCIAH. ISSN 0091-7036.
- Remy:1982:CDT**
- [RV82] J.-L. Rémy and P. A. S. Veloso. Comparing data type specifications via their normal forms. *International Journal of Computer and Information Sciences*, 11(3):141–153, June 1982. CODEN IJCIAH. ISSN 0091-7036.
- Rickman:1973:SIO**
- [RW73] J. Rickman and W. E. Walden. Structures for an interactive on-

- line thesaurus. *International Journal of Computer and Information Sciences*, 2(2):115–127, June 1973. CODEN IJ CIAH. ISSN 0091-7036.
- [Sal78] K. B. Salomon. String and graph grammar characterizations of bounded regular languages. *International Journal of Computer and Information Sciences*, 7(1):1–10, March 1978. CODEN IJ CIAH. ISSN 0091-7036.
- [San74] E. S. Santos. One-way acceptors and languages. *International Journal of Computer and Information Sciences*, 3(2):141–151, June 1974. CODEN IJ CIAH. ISSN 0091-7036.
- [San84] Nicola Santoro. On the message complexity of distributed problems. *International Journal of Computer and Information Sciences*, 13(3):131–147, June 1984. CODEN IJ CIAH. ISSN 0091-7036.
- [Sch79] Arie P. Schinnar. Generalized inverse solutions of multiattribute accounting problems. *International Journal of Computer and Information Sciences*, 8(2):129–139, April 1979. CODEN IJ CIAH. ISSN 0091-7036.
- [Sch84] Camilla B. Schwind. Embedding deductive capabilities in relational database systems. *International Journal of Computer and Information Sciences*, 13(5):327–338, October 1984. CODEN IJ CIAH. ISSN 0091-7036.
- [SD79] B. V. Sheela and B. V. Dasarathy. OPAL: a new algorithm for optimal partitioning and learning in nonparametric unsupervised environments. *International Journal of Computer and Information Sciences*, 8(3):239–253, June 1979. CODEN IJ CIAH. ISSN 0091-7036.
- [SdV77] S. A. Starks, R. J. P. de Figueiredo, and D. L. Van Rooy. An algorithm for optimal single linear feature extraction from several Gaussian pattern classes. *International Journal of Computer and Information Sciences*, 6(1):41–54, March 1977. CODEN IJ CIAH. ISSN 0091-7036.
- [SG72] J. C. Simon and G. Guiho. On algorithms preserving neighborhood, to file and retrieve information in a memory. *International Journal of Computer and Information Sciences*, 1(1):3–15, March 1972. CODEN IJ CIAH. ISSN 0091-7036.
- [Sha81] Marvin Shapiro. A note on Lee and Schachter’s algorithm for Delaunay triangulation. *International Journal of Computer and Information Sciences*, 10(1):1–10, January 1981. CODEN IJ CIAH. ISSN 0091-7036.

Salomon:1978:SGG**Sheela:1979:ONA****Santos:1974:OAL****Starks:1977:AOS****Santoro:1984:MCD****Simon:1972:APN****Schinnar:1979:GIS****Shapiro:1981:NLS****Schwind:1984:EDC**

- Information Sciences*, 10(6):413–418, December 1981. CODEN IJ-CIAH. ISSN 0091-7036.
- [She80] G. S. Shedler. Response-time simulation of multivariate point process models for multiprogrammed jobstreams. *International Journal of Computer and Information Sciences*, 9(2):73–91, April 1980. CODEN IJ-CIAH. ISSN 0091-7036.
- [Shn74] B. Shneiderman. A model for optimizing indexed file structures. *International Journal of Computer and Information Sciences*, 3(1):93–103, March 1974. CODEN IJ-CIAH. ISSN 0091-7036.
- [Shn76] B. Shneiderman. Exploratory experiments in programmer behavior. *International Journal of Computer and Information Sciences*, 5(2):123–143, June 1976. CODEN IJ-CIAH. ISSN 0091-7036.
- [Shr75] S. K. Shrivastava. Process synchronization in high-level languages. *International Journal of Computer and Information Sciences*, 4(2):151–169, June 1975. CODEN IJ-CIAH. ISSN 0091-7036.
- [SI81] N. L. Sarda and J. R. Isaac. Computer aided design of database internal schema. *International Journal of Computer and Information Sciences*, 10(4):219–234, August 1981. CODEN IJ-CIAH. ISSN 0091-7036.
- [SJ78] Robert W. Sebesta and Neil D. Jones. Parsers for indexed grammars. *International Journal of Computer and Information Sciences*, 7(4):345–359, December 1978. CODEN IJ-CIAH. ISSN 0091-7036.
- [SKB77] H. M. Srivastava, H. B. Kekre, and Y. N. Bapat. G/M/1 queue study of buffer behavior in the decoding system of computer communication. *International Journal of Computer and Information Sciences*, 6(4):317–326, December 1977. CODEN IJ-CIAH. ISSN 0091-7036.
- [SM76] R. V. Skavaril and O. R. Miller. Binary input, output, and manipulation extensions of conversational programming with some biological applications. *International Journal of Computer and Information Sciences*, 5(4):357–373, December 1976. CODEN IJ-CIAH. ISSN 0091-7036.
- [SM79] B. Shneiderman and R. Mayer. Syntactic/semantic interactions in programmer behavior: a model and experimental results. *International Journal of Computer and Information Sciences*, 8(4):317–326, December 1977. CODEN IJ-CIAH. ISSN 0091-7036.

- 8(3):219–238, June 1979. CODEN IJCIAH. ISSN 0091-7036.
- V:1979:IS**
- [smK79] A. V. Anisimov and D. E. Knuth. [SS83] Inhomogeneous sorting. *International Journal of Computer and Information Sciences*, 8(4):255–260, 1979.
- Srimani:1983:SWN**
- [Spi73] M. J. Spier. A model implementation for protective domains. *International Journal of Computer and Information Sciences*, 2(3):201–229, September 1973. CODEN IJCIAH. ISSN 0091-7036. [SS84]
- Spier:1973:MIP**
- [Spi75] M. J. Spier. A pragmatic proposal for the improvement of program modularity and reliability. *International Journal of Computer and Information Sciences*, 4(2):133–149, June 1975. CODEN IJCIAH. ISSN 0091-7036. [SS84]
- Spier:1975:PPI**
- [Spi75] M. J. Spier. A pragmatic proposal for the improvement of program modularity and reliability. *International Journal of Computer and Information Sciences*, 4(2):133–149, June 1975. CODEN IJCIAH. ISSN 0091-7036. [ST75]
- Shneiderman:1976:TTE**
- [SS76] B. Shneiderman and S. C. Shapiro. Toward a theory of encoded data structures and data translation. *International Journal of Computer and Information Sciences*, 5(1):33–43, March 1976. CODEN IJCIAH. ISSN 0091-7036. [Sta76]
- Singh:1978:PAT**
- [SS78] Shanker Singh and Vijendra Pal Singh. A probabilistic approach for testing large-scale integrated circuits. *International Journal of Computer and Information Sciences*, 7(3):283–294, September 1978. CODEN IJCIAH. ISSN 0091-7036. [SS84]
- Srini:1984:MDM**
- P. K. Srimani and B. P. Sinha. A simple way to near minimization of microprogram control memory. *International Journal of Computer and Information Sciences*, 12(1):47–64, February 1983. CODEN IJCIAH. ISSN 0091-7036.
- Shyr:1975:LL**
- [ST75] H. J. Shyr and G. Thierrin. Left-noncounting languages. *International Journal of Computer and Information Sciences*, 4(1):95–102, March 1975. CODEN IJCIAH. ISSN 0091-7036.
- Stallings:1976:ACB**
- [Sta76] W. Stallings. An application of coroutines and backtracking in interactive systems. *International Journal of Computer and Information Sciences*, 5(4):303–313, December 1976. CODEN IJCIAH. ISSN 0091-7036.
- Stark:1984:GPC**
- [Sta84] W. Richard Stark. A glimpse into the paradise of combinatory algebra. *International Journal of*

- Computer and Information Sciences*, 13(3):219–236, June 1984. CODEN IJCIAH. ISSN 0091-7036.
- [Ste80] C. J. Stephenson. A method for constructing binary search trees by making insertions at the root. *International Journal of Computer and Information Sciences*, 9(1):15–29, February 1980. CODEN IJCIAH. ISSN 0091-7036.
- [Sto74] M. Stonebraker. The choice of partial inversions and combined indices. *International Journal of Computer and Information Sciences*, 3(2):167–188, June 1974. CODEN IJCIAH. ISSN 0091-7036.
- [Sto79] D. R. Stoutemyer. Computer algebra for the calculus of variations, the maximum principle and automatic control. *International Journal of Computer and Information Sciences*, 8(5):419–434, October 1979. CODEN IJCIAH. ISSN 0091-7036.
- [Sto82] Quentin F. Stout. Searching and encoding for infinite ordered sets. *International Journal of Computer and Information Sciences*, 11(1):55–72, February 1982. CODEN IJCIAH. ISSN 0091-7036.
- [Sub85a] K. G. Subramanian. A note on regular-controlled apical-growth filamentous systems. *International Journal of Computer and Information Sciences*, 14(4):235–242, August 1985. CODEN IJCIAH. ISSN 0091-7036.
- [Sub85b] K. G. Subramanian. A note on regular-controlled apical-growth filamentous systems. *International Journal of Computer and Information Sciences*, 14(4):235–242, 1985.
- [TA77] K. Tanatsugu and S. Arikawa. On characteristics sets and degrees of finite automata. *International Journal of Computer and Information Sciences*, 6(1):83–93, March 1977. CODEN IJCIAH. ISSN 0091-7036.
- [Tan84] Keisuke Tanatsugu. A grammatical inference for harmonic linear languages. *International Journal of Computer and Information Sciences*, 13(5):413–423, October 1984. CODEN IJCIAH. ISSN 0091-7036.
- [TF79] S. Tangwongsan and K. S. Fu. An application of learning to robotic planning. *International Journal of Computer and Information Sciences*, 8(4):303–333, August 1979. CODEN IJCIAH. ISSN 0091-7036.
- [TF82] J. W. Tai and K. S. Fu. Inference of a class of CFPG by

Stephenson:1980:MCB

Subramanian:1985:NRC

Stonebraker:1974:CPI

Tanatsugu:1977:CSD

Stoutemyer:1979:CAC

Tanatsugu:1984:GIH

Stout:1982:SEI

Tangwongsan:1979:ALR

Subramanian:1985:NRA

Tai:1982:ICC

- means of semantic rules. *International Journal of Computer and Information Sciences*, 11(1): 1–23, February 1982. CODEN IJ-CIAH. ISSN 0091-7036.
- [TG72] J. T. Tou and R. C. Gonzalez. Automatic recognition of handwritten characters via feature extraction and multi-level decision. *International Journal of Computer and Information Sciences*, 1(1):43–65, March 1972. CODEN IJ-CIAH. ISSN 0091-7036.
- [Tha79] A. Thayse. Encoding of parallel program schemata by vector addition systems. *International Journal of Computer and Information Sciences*, 8(3):209–218, June 1979. CODEN IJ-CIAH. ISSN 0091-7036.
- [Tho82] M. G. Thomason. Syntactic/semantic techniques in pattern recognition: a survey. *International Journal of Computer and Information Sciences*, 11(2):75–100, April 1982. CODEN IJ-CIAH. ISSN 0091-7036.
- [Tin77] T. C. Ting. Compacting homogeneous text for minimizing storage space. *International Journal of Computer and Information Sciences*, 6(3):211–221, September 1977. CODEN IJ-CIAH. ISSN 0091-7036.
- [TL85] S. S. Tseng and R. C. T. Lee. A parallel sorting scheme whose basic operation sorts N elements. *International Journal of Computer and Information Sciences*, 14(6):455–467, December 1985. CODEN IJ-CIAH. ISSN 0091-7036.
- [Tou79a] J. T. Tou. Zoom-thresholding technique for boundary determination. *International Journal of Computer and Information Sciences*, 8(1):3–8, February 1979. CODEN IJ-CIAH. ISSN 0091-7036.
- [Tou79b] Julius T. Tou. DYNOC—a dynamic optimal cluster-seeking technique. *International Journal of Computer and Information Sciences*, 8(6):541–547, December 1979. CODEN IJ-CIAH. ISSN 0091-7036.
- [Tou80a] J. T. Tou. An approach to understanding geometrical configurations by computer. *International Journal of Computer and Information Sciences*, 9(1):1–13, February 1980. CODEN IJ-CIAH. ISSN 0091-7036.
- [Tou80b] J. T. Tou. Knowledge engineering. *International Journal of Computer and Information Sciences*, 9(4):275–285, August 1980. CODEN IJ-CIAH. ISSN 0091-7036.

- [Tou83] **Toussaint:1983:CLE** Godfried T. Toussaint. Computing largest empty circles with location constraints. *International Journal of Computer and Information Sciences*, 12(5):347–358, October 1983. CODEN IJ CIAH. ISSN 0091-7036.
- [Tou84] **Toussaint:1984:CCU** Godfried T. Toussaint. Complexity, convexity, and unimodality. *International Journal of Computer and Information Sciences*, 13(3):197–217, June 1984. CODEN IJ CIAH. ISSN 0091-7036.
- [Tou85] **Tou:1985:KER** J. T. Tou. Knowledge engineering revisited. *International Journal of Computer and Information Sciences*, 14(3):123–134, June 1985. CODEN IJ CIAH. ISSN 0091-7036.
- [Tow80] **Townley:1980:PAR** Judy A. Townley. A pragmatic approach to resolution-based theorem proving. *International Journal of Computer and Information Sciences*, 9(2):93–116, April 1980. CODEN IJ CIAH. ISSN 0091-7036.
- [TP76] **Thomason:1976:BDT** M. G. Thomason and E. W. Page. Boolean difference techniques in fault tree analysis. *International Journal of Computer and Information Sciences*, 5(1):81–88, March 1976. CODEN IJ CIAH. ISSN 0091-7036.
- [TP77] **Thesen:1977:PAC** A. Thesen and T. Pinkerton. Predicting the availability of contiguous memory. *International Journal of Computer and Information Sciences*, 6(4):279–287, December 1977. CODEN IJ CIAH. ISSN 0091-7036.
- [Tre75] **Treu:1975:OSD** S. Treu. On-line student debate: an experiment in communication using computer networks. *International Journal of Computer and Information Sciences*, 4(1):39–51, March 1975. CODEN IJ CIAH. ISSN 0091-7036.
- [TS72] **Terrenoire:1972:EAI** M. Terrenoire and M. Simonet. An evaluation of ALGOL 68 for interrogation process algorithms. *International Journal of Computer and Information Sciences*, 1(1):67–73, March 1972. CODEN IJ CIAH. ISSN 0091-7036.
- [van72] **vanDam:1972:SII** A. van Dam. Some implementation issues relating to data structures for interactive graphics. *International Journal of Computer and Information Sciences*, 1(4):287–314, December 1972. CODEN IJ CIAH. ISSN 0091-7036.
- [VD74] **Velasco:1974:SSD** F. R. D. Velasco and C. DeRenna e. Souza. Sequential syntactical decoding. *International Journal of Computer and Information Sciences*, 3(4):273–287, December 1974. CODEN IJ CIAH. ISSN 0091-7036.

- [Vel80] **Veloso:1980:CRP**
 Paulo A. S. Veloso. Characterizations for the regular prefix codes and related families. *International Journal of Computer and Information Sciences*, 9(5):371–382, October 1980. CODEN IJ-CIAH. ISSN 0091-7036.
- [Wal73] **Walk:1973:MSP**
 K. Walk. Modeling of storage properties of higher-level languages. *International Journal of Computer and Information Sciences*, 2(1):1–24, March 1973. CODEN IJ-CIAH. ISSN 0091-7036.
- [Vel82] **Veloso:1982:MSA**
 P. A. S. Veloso. Methodical specification of abstract data types via rewriting systems. *International Journal of Computer and Information Sciences*, 11(5):295–323, October 1982. CODEN IJ-CIAH. ISSN 0091-7036.
- [Wan75] **Wang:1975:DRU**
 Y. R. Wang. On data retrieval from unambiguous bit matrices. *International Journal of Computer and Information Sciences*, 4(2):171–187, June 1975. CODEN IJ-CIAH. ISSN 0091-7036.
- [Ver79] **Vere:1979:CRP**
 Steven A. Vere. Composition of relational productions for plans and programs. *International Journal of Computer and Information Sciences*, 8(2):149–179, April 1979. CODEN IJ-CIAH. ISSN 0091-7036.
- [Wey79] **Weyuker:1979:APS**
 Elaine J. Weyuker. The applicability of program schema results to programs. *International Journal of Computer and Information Sciences*, 8(5):387–403, October 1979. CODEN IJ-CIAH. ISSN 0091-7036.
- [Vou82] **Voukalis:1982:RCO**
 D. C. Voukalis. Remarks concerning the optimization of matrix codes. *International Journal of Computer and Information Sciences*, 11(4):259–273, August 1982. CODEN IJ-CIAH. ISSN 0091-7036.
- [WG72] **Wile:1972:IBE**
 D. S. Wile and C. M. Geschke. An implementation base for efficient data structuring. *International Journal of Computer and Information Sciences*, 1(3):209–224, September 1972. CODEN IJ-CIAH. ISSN 0091-7036.
- [Vou84] **Voukalis:1984:FRM**
 D. C. Voukalis. Further remarks for the matrix type-*B* codes. *International Journal of Computer and Information Sciences*, 13(4):309–326, August 1984. CODEN IJ-CIAH. ISSN 0091-7036.
- [Whi76] **White:1976:OSS**
 J. W. White. An off-line simulation system for development of real-time FORTRAN programs. *International Journal of Computer and Information Sciences*, 5(1):59–79, March 1976. CODEN IJ-CIAH. ISSN 0091-7036.

- [Wil72] Wilkes:1972:ATD M. V. Wilkes. Associative tabular data structures. *International Journal of Computer and Information Sciences*, 1(3):225–233, September 1972. CODEN IJCIAH. ISSN 0091-7036.
- [WM72a] Wells:1972:UDS M. B. Wells and J. B. Morris. The unified data structure capability in Madcap VI. *International Journal of Computer and Information Sciences*, 1(3):193–208, September 1972. CODEN IJCIAH. ISSN 0091-7036.
- [WM72b] Wilkes:1972:ALA M. V. Wilkes and W. D. Manville. The associative language AL-1. *International Journal of Computer and Information Sciences*, 1(4):315–327, December 1972. CODEN IJCIAH. ISSN 0091-7036.
- [Woo75] Wood:1975:NLS D. Wood. A note on Lindenmayer systems, Szilard languages, spectra, and equivalence. *International Journal of Computer and Information Sciences*, 4(1):53–62, March 1975. CODEN IJCIAH. ISSN 0091-7036.
- [XT82] Xu:1982:PSC Jian Hua Xu and Julius T. Tou. Predictive searching for chain encoding by computers. *International Journal of Computer and Information Sciences*, 11(4):213–229, August 1982. CODEN IJCIAH. ISSN 0091-7036.
- [Yag81] Yager:1981:ARP Ronald R. Yager. Approximate reasoning and possibilistic models in classification. *International Journal of Computer and Information Sciences*, 10(2):141–175, April 1981. CODEN IJCIAH. ISSN 0091-7036.
- [Yeh75] Yeh:1975:POS Hsi-Han Yeh. Parameter optimization of stochastic automata operating in random environments. *International Journal of Computer and Information Sciences*, 4(3):247–263, September 1975. CODEN IJCIAH. ISSN 0091-7036.
- [YH84] Yang:1984:AIG Chao Chih Yang and Hou Kuan Huang. Algorithms for the inverse and a generalization of the state space approach to finite automata. *International Journal of Computer and Information Sciences*, 13(1):59–76, February 1984. CODEN IJCIAH. ISSN 0091-7036.
- [YM80] Yang:1980:AFD Chao Chih Yang and Charmane P. May. Algorithms for finding directed graph isomorphisms by finite automata. *International Journal of Computer and Information Sciences*, 9(2):117–140, April 1980. CODEN IJCIAH. ISSN 0091-7036.
- [YM84] Yu:1984:PMN Ging-Shung Yu and S. Muroga. Parallel multipliers with NOR

- gates based on G-minimum adders. *International Journal of Computer and Information Sciences*, 13(2):111–121, April 1984. CODEN IJCIAH. ISSN 0091-7036. [Zak83]
- Young:1985:MCP**
- [YM85] Ming Hwei Young and Saburo Muroga. Minimal covering problem and PLA minimization. *International Journal of Computer and Information Sciences*, 14(6):337–364, December 1985. CODEN IJCIAH. ISSN 0091-7036. [Zal73]
- Yue:1975:NHA**
- [YW75a] P. C. Yue and C. K. Wong. Near-optimal heuristics for an assignment problem in mass storage. *International Journal of Computer and Information Sciences*, 4(4):281–294, December 1975. CODEN IJCIAH. ISSN 0091-7036. [ZB81]
- Yue:1975:SCC**
- [YW75b] P. C. Yue and C. K. Wong. Storage cost considerations in secondary index selection. *International Journal of Computer and Information Sciences*, 4(4):307–327, December 1975. CODEN IJCIAH. ISSN 0091-7036.
- Zaki:1981:MBM**
- [Zak81] M. Zaki. Magnetic bubble memory structures for relational database management systems. *International Journal of Computer and Information Sciences*, 10(5):341–358, October 1981. CODEN IJCIAH. ISSN 0091-7036.
- Zaki:1983:CST**
- A. S. Zaki. A comparative study of 2-3 trees and AVL trees. *International Journal of Computer and Information Sciences*, 12(1):13–33, February 1983. CODEN IJCIAH. ISSN 0091-7036.
- Zalcstein:1973:SLS**
- Y. Zalcstein. On the semigroups of linear sequential machines. *International Journal of Computer and Information Sciences*, 2(1):25–28, March 1973. CODEN IJCIAH. ISSN 0091-7036.
- Zaki:1981:QCH**
- A. S. Zaki and J. L. Baer. Query costs in HB(1) trees versus 2-3 trees. *International Journal of Computer and Information Sciences*, 10(6):383–395, December 1981. CODEN IJCIAH. ISSN 0091-7036.