

# A Complete Bibliography of Publications in the *Journal of Mathematical Physics*: 2020–2024

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18 March 2025  
Version 1.11

## Title word cross-reference

#P [67]. #P-complete [67].

(2 + 1) [1868]. (2 <  $p < 4$ ) [203]. (3 + 1) [1855]. ( $k, a$ ) [1484]. ( $n + 1$ ) [870].  
( $p, k$ ) [971]. ( $p, q$ ) [1233]. ( $t_2, t_3$ ) [1170]. ( $U_q(\mathcal{J}^\Gamma(\infty, \infty)), \lambda_{\Pi^{\infty/\epsilon}}(\in \setminus)$ ) [95]. 1  
[276, 619, 838, 726, 82, 307, 122, 671, 884, 775]. 1 + 1 [255]. 1/N [687]. 1/r<sup>2</sup>  
[897]. 1 <  $p < 2 < q < 6$  [996]. 2  
[355, 321, 575, 229, 43, 236, 743, 832, 160, 615, 302, 63, 677, 975, 839]. 2 × 2  
[1738, 188]. 3 [604, 459, 837, 743, 366, 61, 21, 871, 354]. 6j [1372, 1388]. \*  
[241].  $^{-1}$  [731].  $^2$  [748, 280].  $^3$  [353]. 2 [1398, 1265]. 3 [1532]. 34 [1532]. IV  
[639].  $n$  [1084]. v [639]. A[sech( $\lambda x$ ) + i tanh( $\lambda x$ )] [1505].  $A_n$  [781, 1149].  $\alpha$   
[219, 486].  $\alpha - z$  [325, 1709].  $\alpha \rightarrow 1$  [746]. B [1239, 1479].  $B_n$  [1447].  $\bar{\partial}$  [765].  
 $\beta$  [687, 1839, 1277, 922].  $C^*$  [1835].  $C^*$  [1526, 880].  $C^2$  [1784].  $C^5 \otimes C^5$  [505].  
 $C^\infty$  [634].  $C_n(1)$  [1498].  $\mathcal{N} = 2$  [510].  $\mathcal{O}$  [1660].  $\mathcal{PT}$  [1505].  $\mathcal{R}$  [1540].  $\chi^3$   
[1533]. Cur(sl<sub>2</sub>(C)) [1314]. D [225, 328, 656, 1622, 667, 258, 710, 789].  
 $D^{1,p}(R^3)$  [1733].  $\ddot{x} + f(x)\dot{x}^2 + g(x) = 0$  [115, 114, 8, 5, 6].  $B_{\infty, \infty}^{-1}$  [731]. E  
[1748].  $E^2$  [1322].  $E_6$  [1661, 1755, 1617].  $E_7$  [1662].  $E_{7(-25)}$  [1617].  $E_8$

[1661, 1662, 1755, 1108].  $E_{\tau,\eta}gl_3$  [151].  $F(r)$  [1228].  $g$  [1306, 303, 1009].  $g^{(2)}$  [1736].  $g^{(3)}$  [1736].  $G_2$  [1772].  $G_2/I_6$  [1736].  $\mathrm{gl}(n) \otimes \mathrm{gl}(n)$  [646].  $\mathrm{GL}_q(2)$  [686].  $h$  [1666].  $H^2$  [1047].  $H^s$  [654].  $\neg\hat{\cdot})(1)$  [1702].  $i$  [1539].  $K$  [1450, 1717, 1390, 789, 1817, 1386, 1416].  $k+1$  [576].  $\kappa$  [247].  $K'{}_4$  [1148].  $L^1$  [1427].  $L^2$  [208, 726, 1771, 120].  $L^\infty$  [574].  $L^P$  [1871, 660, 167, 285].  $L_\infty$  [371, 1660, 592, 999].  $\lambda$  [953].  $M$  [542, 1358, 1380].  $M_2$  [1158].  $\mathbf{C}$  [1153].  $\mathbf{P}^1$  [30].  $\mathbf{R}^+ \times \mathbf{R}^3$  [1165, 1631].  $\mathbf{R}^3$  [1146, 935].  $\mathbf{R}^6$  [150].  $\mathbf{R}^d, d = 1, 2, 3$  [282].  $\mathbf{R}^N$  [814, 922].  $\mathbf{R}^{n+1}$  [1084].  $\mathbf{R}^{n+2}$  [1084].  $\mathbf{Z}^d$  [1329, 1236].  $\mathbf{Z}_2^2$  [568].  $\mathbf{Z}_2^n$  [134].  $\mathbf{Z}_2 \times \mathbf{Z}_2$  [28, 650].  $\mathcal{D}^l(\mathcal{X})$  [169].  $\mathcal{N} = \in$  [1151].  $\mathcal{ON}$  [1177].  $\mathcal{S}(\mathcal{N})$  [113].  $\mathcal{W}_{\Pi, \sqcup}(\mathcal{J}(\infty))$  [585].  $\mathcal{J}(\infty)$  [1277].  $\mathcal{J}(\infty \in \setminus)$  [1033].  $\mathcal{J}(\infty \in \setminus) \supset \mathcal{J}(\setminus)$  [1033].  $\mathcal{J}(\in \setminus)$  [157, 1603, 914].  $\mathcal{J}(\in \text{ltimes} \mathcal{L}(\triangle))$  [914].  $\mathcal{J}(\setminus)$  [1162].  $\mathrm{SU}(2)$  [213].  $\mu$  [1382].  $N$  [995, 1458, 669, 1098, 1127, 1457, 199, 1448, 1245, 1523, 245, 262, 294, 452, 1635].  $n^2 + 3$  [1223].  $\natural_\alpha$  [1082, 1487].  $O$  [1497, 389].  $O(3)$  [1104].  $\Omega$  [1541].  $\mathrm{osp}(1|2)$  [568].  $P$  [984, 1452, 1530, 579, 653, 1593, 116, 1264, 1850, 1516, 1253, 658, 935, 857, 1081, 1555, 1025, 841, 471].  $p(x)$  [20].  $p$  [814].  $\psi$  [1190, 703].  $q$  [1433, 440, 830, 223, 1407, 526, 95, 186].  $Q(1)$  [1500].  $q_{xx}$  [1283].  $R$  [878, 1735, 953, 1312, 1177, 791, 646, 1149].  $R^{1+1}$  [574].  $\rho$  [695].  $S$  [667, 462].  $S^2$  [1047].  $\mathrm{SDiff}(S^2)$  [35].  $\sigma$  [529].  $\mathrm{SL}(2, \mathbf{R})$  [1813].  $\mathrm{SL}(2, \mathbf{R})/\mathrm{U}(1)$  [1813].  $sl(7)$  [667].  $\mathrm{SL}_2$  [662].  $sl_3$  [1579].  $SL_q^*(2)$  [188].  $SO(3)$  [1579].  $SO(3)_b$  [1081].  $SO(N)$  [1537].  $\mathrm{Sp}(N)$  [1772].  $\mathrm{SU}(2)$  [1395].  $SU(N)$  [1537, 493, 1372].  $\tau$  [1333, 443].  $SL(2, \mathbf{R})$  [1398, 1265].  $\times$  [1619].  $U$  [1617, 1572, 1592].  $\mathrm{U}(1)$  [1399].  $U(1)^N$  [510].  $\mathrm{U}(1)_{B-L}$  [430].  $\mathrm{U}(h)$  [1032].  $\mathrm{U}_q(D_4^{(3)})$  [1255].  $U_q(sl_2^*)$  [188].  $V_D(x) = \min[(x+d)^2, (x-d)^2]$  [1353].  $V_S(x) = \max[(x+d)^2, (x-d)^2]$  [1353].  $\varphi^{2k}$  [286].  $\varphi^4$  [556].  $\varphi_4^4$  [1631].  $\varphi_4^4$  [368, 1165].  $\vee$  [469].  $\mathrm{VOA}[M_4]$  [36].  $W$  [585, 1313, 997].  $W_{1+\infty}$  [643].  $W_3$  [694].  $X$  [1360, 824].  $Z$  [553, 905].  $Z_2$  [1037].  $Z_2^2$  [1151].  $Z_n$  [1149].  $\zeta$  [1278].  $|x-y|^{-2}$  [1643].

**-abc** [199]. **-adic** [1452, 1593, 1081]. **-algebras** [241, 371, 592, 1835, 1313, 1526]. **-Araki** [830]. **-associative** [1541]. **-based** [660]. **-body** [1271, 294]. **-bridge** [832]. **-calculus** [526]. **-Camassa** [1382]. **-coherent** [526]. **-component** [462]. **-contact** [1416]. **-convex** [1380]. **-critical** [1771, 120]. **-D** [276]. **-deformation** [1433]. **-deformations** [999]. **-Deformed** [247, 526, 186, 1277]. **-dependent** [824]. **-difference** [1407]. **-dimensional** [667, 82, 1245, 316, 416, 452, 1868, 328]. **-dimensions** [258, 710]. **-dressing** [765]. **-evolution** [922]. **-exact-solvability** [667]. **-extension** [430]. **-fidelity** [1264]. **-form** [529]. **-free** [1032]. **-functions** [443, 1278]. **-generalized** [1484]. **-graded** [1619, 134, 1151, 568, 1153, 28, 650, 553, 1149]. **-gravity** [1622]. **-Harish-Chandra** [914]. **-Hilfer** [1190, 703]. **-Jacobsthal** [1233]. **-Kirchhoff** [1850]. **-Kropina** [1358]. **-Laplace** [814, 1555]. **-Laplacian** [653, 1530, 1306, 579, 116, 20, 1516, 1253, 658, 935, 1025, 841, 471]. **-level** [669]. **-Lie** [695]. **-manifolds** [852]. **-matrices** [646, 1735]. **-matrix**

[1312, 1149, 878, 542]. **-matrix-Nijenhuis** [1177]. **-minimal** [1360]. **-models** [1748]. **-modules** [1033, 1498]. **-Navier** [303, 486, 1009]. **-operators** [1497, 1660, 1540, 389]. **-order** [870]. **-oscillators** [95]. **-particle** [262]. **-plane** [223, 1839]. **-point** [1457]. **-polynomials** [526]. **-rational** [1736]. **-Rényi** [1709, 1082, 1487]. **-semitoric** [1479]. **-soliton** [995]. **-solutions** [656, 1871]. **-spaces** [285]. **-spacetime** [1119]. **-spin** [791, 857]. **-stable** [219]. **-state** [1037]. **-states** [667]. **-structures** [1660, 1177]. **-superalgebra** [585]. **-superalgebras** [997]. **-supercritical** [208, 120]. **-systems** [469]. **-tensor** [241, 880]. **-term** [1283]. **-th** [1386, 1448]. **-theory** [1450, 1717, 1390, 789, 1817]. **-topological** [1037]. **-torsion** [789]. **-transformations** [1666]. **-type** [764, 1239]. **-valued** [646]. **-weak** [905]. **-wise** [984]. **-Zakharov** [1170].

**1** [510]. **1-dimensional** [1834]. **1/** [280]. **1/2** [645, 885, 510]. **1/2-BPS** [510]. **1d** [1607, 1695, 1341, 1455].

**2-BPS** [510]. **2-D** [1625]. **20** [479]. **2D** [1095, 1099, 1573, 1362, 992, 1298, 1333, 1297, 1494, 1444, 1188, 1676, 1531, 1209, 1467, 1044, 1731, 1175, 1629, 1009, 1489, 1723, 1575, 1086].

**3** [695]. **3-** [695]. **3-form** [1860]. **3D** [1095, 1060, 1444, 1778, 1207, 1690, 1210, 1578, 1343, 1422, 1425, 1616, 1340, 1649, 1381, 1478, 1576].

**4-regular** [1056, 1757].

**53** [384]. **54** [115, 114, 8, 6]. **55** [8]. **56** [447]. **59** [808, 835].

**60** [606, 54, 80]. **61** [195, 651, 448, 196, 1203, 269, 1336]. **62** [652, 653, 970, 1095, 865, 607]. **63** [1337, 1374, 1293, 932, 1133, 1487, 988]. **64** [1753]. **65** [1688, 1755, 1754].

= [1701].

**ABC** [764, 199]. **abelian** [1538, 1401, 1198, 1472, 1656, 69, 1225, 1860, 536]. **Ablowitz** [961, 1844, 1868]. **Absence** [1436, 224, 860, 1614, 1367, 846, 1559]. **Absolute** [48]. **absolutely** [1609, 741]. **absorbed** [959]. **absorbing** [918]. **absorption** [285]. **abundance** [1403]. **accelerating** [1542]. **acceleration** [1048]. **acceptor** [212]. **Accessible** [742]. **accidental** [589]. **accommodate** [1865]. **according** [581]. **acknowledgment** [15]. **acoustic** [26]. **acoustic-type** [26]. **Across** [216]. **acting** [669]. **action** [1539, 1819, 1408, 1721]. **action-angle** [1721]. **action-dependent** [1408]. **ad** [317]. **adaptation** [617]. **addition** [1648]. **additive** [1514, 138]. **additivity** [1397]. **adeles** [1259, 1705]. **adelic** [806]. **Adiabatic** [879, 974, 312, 284, 214, 1243, 279, 1197]. **adic** [1452, 1593, 1081]. **adjoint**

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1285, 193, 1098, 1081, 1548, 1237, 1469, 1721, 1448, 1623, 1847, 281]. **approaches** [1219, 1817]. **Approximate** [757, 1125, 880, 1866]. **approximating** [1708, 466]. **approximation** [1117, 1096, 1282, 1760, 284, 210, 383, 518, 1432, 1804]. **approximations** [1815, 1147, 1079, 633, 750, 632, 689, 1880]. **Araki** [830]. **arbitrary** [795, 1417, 1167, 245, 857]. **Archimedean** [49]. **Area** [1737, 974]. **area-constrained** [974]. **Arf** [791]. **Arf-invariant** [791]. **arises** [1862]. **arising** [1656, 166, 1701, 1059, 122, 571, 1799]. **Arithmetic** [1784]. **arrays** [774]. **Artificial** [1260]. **ARW** [1683]. **Asakura** [1559]. **Asakura-Oosawa** [1559]. **ASD** [439]. **Askey** [95]. **aspects** [438, 144, 1547, 447, 7, 512, 139, 50, 410]. **assisted** [822, 1461, 947]. **associated** [1795, 783, 1069, 878, 1813, 29, 1764, 964, 340, 1065, 1211, 465, 545, 1685, 171, 1447, 649, 1196, 151, 965, 1521]. **associative** [1194, 845, 188, 999, 1541]. **asymmetric** [1389, 1811, 1842, 1319]. **Asymptotic** [800, 890, 950, 473, 1342, 1298, 92, 1297, 809, 1065, 1756, 218, 434, 414, 1833, 1307, 1722, 1683, 1700, 1007, 307, 1341, 222, 141, 158, 636, 491, 986, 267, 762, 195, 81, 1809, 87, 196, 1460, 1531, 1213, 1731, 1185, 131, 1564, 1616, 1278, 1799, 21, 1732, 1240]. **asymptotic-preserving** [1460]. **asymptotical** [104]. **Asymptotically** [817, 1009, 1008, 1268, 329, 1511, 270, 824, 982]. **Asymptotics** [719, 1808, 1676, 637, 1058, 1609, 971, 836, 234, 1523, 1352, 1283, 913]. **Atiyah** [1453]. **atmosphere** [279]. **atmospheric** [1442]. **atom** [496, 1040, 1836]. **atomic** [1544, 33]. **atoms** [408, 947, 176, 1318]. **attraction** [816, 818, 732, 315, 532]. **attraction-repulsion** [816, 818, 732, 532]. **attractive** [549, 1823, 492, 63]. **attractor** [303, 291, 922, 1087]. **attractors** [1530, 474, 954, 1188, 956, 374, 1253, 677, 815, 1361, 632, 1732, 1441, 471, 873]. **automata** [743, 1095, 290, 1053]. **automorphism** [1158]. **autonomous** [1187, 1532, 333, 473, 291, 374, 1534, 1322, 1516, 222, 221, 1087, 1009, 632, 689]. **autonomy** [1732]. **Average** [210, 1234, 889]. **Averaging** [1746, 1350, 1581, 1566]. **Avoided** [111]. **Aw** [1252, 1432]. **axial** [1402]. **axially** [1166, 1067]. **axiom** [1356]. **axiomatic** [1219, 1613]. **axis** [854]. **axisymmetric** [246, 837, 1690, 1422]. **Aztec** [1365].

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