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 Hitchin, N.J., Karlhede, A., Lindström, U., Roček, M.: Hyperkähler Metrics and Supersymmetry **108**, 535 (1987)
 Horozhy, S.S., Voronin, A.V.: Field Algebras do not Leave Field Domains Invariant **102**, 687 (1986)
 Hubacher, A.: Instability of the Boundary in the Billiard Ball Problem **108**, 483 (1987)
 Hudson, R.L., Parthasarathy, K.R.: Unification of Fermion and Boson Stochastic Calculus **104**, 457 (1986)
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I

- Iagolnitzer, D., Magnen, J.: Asymptotic Completeness and Multiparticle Structure in Field Theories **110**, 51 (1987)
 Ichinose, T., Tamura, H.: Imaginary-Time Path Integral for a Relativistic Spinless Particle in an Electromagnetic Field **105**, 239 (1986)
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- Isozaki, H.: Wave Operators and the Incompressible Limit of the Compressible Euler Equation **110**, 519 (1987)
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J

- Jacobson, T., see Allen, B. **103**, 669 (1986)
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 Jimbo, M.: Quantum R Matrix for the Generalized Toda System **102**, 537 (1986)
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 Jona-Lasinio, G., Mitter, P.K.: On the Stochastic Quantization of Field Theory **101**, 409 (1985)
 Jonsson, T.: Ornstein-Zernike Theory for the Planar Random Surface Model **106**, 679 (1986)
 Journé, J.-L.: On a Regularity Problem Occurring in Connection with Anosov Diffeomorphisms **106**, 345 (1986)

K

- Kac, V.G., Todorov, I.T.: Superconformal Current Algebras and Their Unitary Representations **102**, 337 (1985)
 Kac, V.G., Todorov, I.T.: Superconformal Current Algebras and their Unitary Representations (*Erratum*) **104**, 175 (1986)
 Kaminker, J., Xia, J.: The Spectrum of Operators Elliptic Along the Orbits of \mathbb{R}^n Actions **110**, 427 (1987)
 Karlhede, A., Lindström, U., Roček, M.: Hyperkähler Manifolds and Nonlinear Supermultiplets **108**, 529 (1987)
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 Kawashima, S., Matsumura, A.: Asymptotic Stability of Traveling Wave Solutions of Systems for One-dimensional Gas Motion **101**, 97 (1985)
 Kawashima, S.: Large-time Behavior of Solutions of the Discrete Boltzmann Equation **109**, 563 (1987)
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 Kennedy, T., King, C.: Spontaneous Symmetry Breakdown in the Abelian Higgs Model **104**, 327 (1986)
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- Kinderlehrer, D., see Hardt, R., et al. **105**, 547 (1986)
- King, C.: The $U(1)$ Higgs Model. I. The Continuum Limit **102**, 649 (1986)
- King, C.: The $U(1)$ Higgs Model. II. The Infinite Volume Limit **103**, 323 (1986)
- King, C., see Kennedy, T. **104**, 327 (1986)
- King, C.: Deconfining Phase Transition in the $U(1)$ Model with Wilson's Action **105**, 675 (1986)
- King, C., Yaffe, L.G.: Global Symmetry Restoration in High Temperature Higgs Theories **108**, 423 (1987)
- Kipnis, C., Varadhan, S.R.S.: Central Limit Theorem for Additive Functionals of Reversible Markov Processes and Applications to Simple Exclusions **104**, 1 (1986)
- Kittaneh, F.: Inequalities for the Schatten p -Norm. III **104**, 307 (1986)
- Kittaneh, F.: Inequalities for the Schatten p -Norm. IV **106**, 581 (1986)
- Klein, A., see Campanino, M. **104**, 227 (1986)
- Klein, A., Martinelli, F., Perez, J.F.: A Rigorous Replica Trick Approach to Anderson Localization in One Dimension **106**, 623 (1986)
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- Klein, M.: On the Absence of Resonances for Schrödinger Operators with Non-Trapping Potentials in the Classical Limit **106**, 485 (1986)
- Klein, M., see Combes, J.M., et al. **110**, 215 (1987)
- Knauf, A.: Ergodic and Topological Properties of Coulombic Periodic Potentials **110**, 89 (1987)
- Koch, H., Wittwer, P.: A Non-Gaussian Renormalization Group Fixed Point for Hierarchical Scalar Lattice Field Theories **106**, 495 (1986)
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- Korepin, V.E.: Completely Integrable Models in Quasicrystals **110**, 157 (1987)
- Kotecký, R., Preiss, D.: Cluster Expansion for Abstract Polymer Models **103**, 491 (1986)
- Krishna, M.: Large Time Behaviour of Some N -Body Systems **101**, 129 (1985)
- Kümmerer, B., Maassen, H.: The Essentially Commutative Dilations of Dynamical Semigroups on M_n **109**, 1 (1987)
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- Laursen, M.L., Schierholz, G., Wiese, U.-J.: 2- and 3-Cochains in 4-Dimensional $SU(2)$ Gauge Theory **103**, 693 (1986)
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- Lieb, E.H., Loss, M.: Stability of Coulomb Systems with Magnetic Fields. II. The Many-Electron Atom and the One-Electron Molecule **104**, 271 (1986)
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- Lott, J.: Supersymmetric Path Integrals **108**, 605 (1987)
- Lüscher, M.: Volume Dependence of the Energy Spectrum in Massive Quantum Field Theories. I. Stable Particle States **104**, 177 (1986)
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- Laanait, L., Messenger, A., Ruiz, J.: Phases Coexistence and Surface Tensions for the Potts Model **105**, 527 (1986)
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- Magnen, J., Rivasseau, V.: The Lipatov Argument for Φ_4^4 Perturbation Theory **102**, 59 (1985)
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- Magnen, J., Nicolò, F., Rivasseau, V., Sénéor, R.: A Lipatov Bound for Φ_4^4 Euclidean Field Theory **108**, 257 (1987)
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- Marchioro, C.: An Example of Absence of Turbulence for Any Reynolds Number: II **108**, 647 (1987)
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- Miękisz, J.: The Decomposition Property and Equilibrium State of Ferromagnetic Lattice Systems **109**, 353 (1987)
- Mielnik, B.: Phenomenon of Mobility in Non-Linear Theories **101**, 323 (1985)
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- Minami, N.: An Extension of Kotani's Theorem to Random Generalized Sturm-Liouville Operators **103**, 387 (1986)
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- Palmer, J.: Monodromy Fields on \mathbb{Z}^2 **102**, 175 (1985)
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R

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- Röckner, M.: Specification and Martin Boundaries for $\mathbb{P}(\Phi)_2$ -Random Fields **106**, 105 (1986)
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- Schochet, S.H., Weinstein, M.I.: The Nonlinear Schrödinger Limit of the Zakharov Equations Governing Langmuir Turbulence **106**, 569 (1986)
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- Schochet, S.: The Compressible Euler Equations in a Bounded Domain: Existence of Solutions and the Incompressible Limit **104**, 49 (1986)
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- Sethian, J.A.: Curvature and the Evolution of Fronts **101**, 487 (1985)
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- Simon, B.: Localization in General One Dimensional Random Systems, I. Jacobi Matrices **102**, 327 (1985)
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- Slade, G.: The Loop Expansion for the Effective Potential in the $P(\phi)_2$ Quantum Field Theory **102**, 425 (1985)
- Slade, G.: The Effective Potential as an Energy Density: The One Phase Region **104**, 573 (1986)
- Slade, G.: The Diffusion of Self-Avoiding Random Walk in High Dimensions **110**, 661 (1987)
- Slawny, J., see Grossmann, A. **107**, 543 (1986)
- Smoller, J.A., Wasserman, A.G.: Symmetry-Breaking for Solutions of Semilinear Elliptic Equations with General Boundary Conditions **105**, 415 (1986)

- Sokatchev, E., see Galperin, A., et al. **103**, 515 (1986)
 Solomin, J.E., see Gamboa Saravi, R.E., et al. **110**, 641 (1987)
 Soloveichik, M.R., see Boldrighini, C., et al. **101**, 363 (1985)
 Soloveichik, M.R., see Sinai, Ya.G. **104**, 423 (1986)
 Souillard, B., see Delyon, F., et al. **109**, 157 (1987)
 Spencer, T., see Fröhlich, J., et al. **101**, 21 (1985)
 Spohn, H.: Equilibrium Fluctuations for Interacting Brownian Particles **103**, 1 (1986)
 Stefanescu, I.S., see Atkinson, D. **101**, 291 (1985)
 Steinmann, A., see Nicolò, F., et al. **105**, 291 (1986)
 Sternberg, S.: On Charge Conjugation **109**, 649 (1987)
 Stone, D., Phillips, A. **103**, 599 (1986)
 Stora, R., see Mañes, J., et al. **102**, 157 (1985)
 Strominger, A., Witten, E.: New Manifolds for Superstring Compactification **101**, 341 (1985)
 Sulem, C., see Sulem, P.L., et al. **107**, 431 (1986)
 Sulem, P.L., Sulem, C., Bardos, C.: On the Continuous Limit for a System of Classical Spins **107**, 431 (1986)
 Sullivan, D., see Pignataro, T. **104**, 529 (1986)
 Summers, S.J., see Driessler, W., et al. **105**, 49 (1986)
 Summers, S.J., Werner, R.: Maximal Violation of Bell's Inequalities is Generic in Quantum Field Theory **110**, 247 (1987)
 Sundermeyer, K., see Picken, R.F. **102**, 585 (1986)
 Szász, D., Tóth, B.: Bounds for the Limiting Variance of the "Heavy Particle" in R^1 **104**, 445 (1986)
 Szlachanyi, K.: Non-Local Fields in the Z(2) Higgs Model: The Global Gauge Symmetry Breaking and the Confinement Problem **108**, 319 (1987)

T

- Talon, M., see Dubois-Violette, M., et al. **102**, 105 (1985)
 Tamura, H., see Ichinose, T. **105**, 239 (1986)
 Taylor, J.G., see Gilson, C.R., et al. **107**, 377 (1986)
 Taylor, M., see Simon, B. **101**, 1 (1985)
 Tedeschini-Lalli, L., Yorke, J.A.: How Often do Simple Dynamical Processes Have Infinitely Many Coexisting Sinks? **106**, 635 (1986)
 Thouless, D.J., see Chayes, J.T., et al. **106**, 41 (1986)
 Todorov, I.T., see Kac, V.G. **102**, 337 (1985)
 Todorov, I.T., see Kac, V.G. **104**, 175 (1986)
 Tóth, B., see Szász, D. **104**, 445 (1986)

U

- Uhlenbeck, K.K.: The Chern Classes of Sobolev Connections **101**, 449 (1985)
 Ullah, N.: Ensemble Average of an Arbitrary Number of Pairs of Different Eigenvalues Using Grassmann Integration **104**, 693 (1986)

V

- Vafa, C., see Alvarez-Gaumé, L., et al. **106**, 1 (1986)
 Vafa, C., see Freed, D.S. **110**, 349 (1987)
 Valli, A., Zajackowski, W.M.: Navier-Stokes Equations for Compressible Fluids: Global Existence and Qualitative Properties of the Solutions in the General Case **103**, 259 (1986)
 Vanheuverzwijn, P.: Discrete Lattice Systems and the Equivalence of Microcanonical, Canonical and Grand Canonical Gibbs States **101**, 153 (1985)
 Varadhan, S.R.S., see Kipnis, C. **104**, 1 (1986)
 Vazquez, L., see Cazenave, T. **105**, 35 (1986)
 Vega, H.J. de, see Avan, J. **102**, 463 (1985)
 Verdier, Y.C. de: Ergodicité et fonctions propres du laplacien **102**, 497 (1985)
 Viallet, C.M., see Dubois-Violette, M., et al. **102**, 105 (1985)
 Vivaldi, F., Shaidenko, A.V.: Global Stability of a Class of Discontinuous Dual Billiards **110**, 625 (1987)
 Voigt, J., see Hempel, R. **104**, 243 (1986)
 Voronin, A.V., see Horuzhy, S.S. **102**, 687 (1986)
 Voros, A.: Spectral Functions, Special Functions and the Selberg Zeta Function **110**, 439 (1987)

W

- Wakimoto, M.: Fock Representations of the Affine Lie Algebra $A_1^{(1)}$ **104**, 605 (1986)
 Wallach, N.R., see Goodman, R. **105**, 473 (1986)
 Wan, Y.-H.: The Stability of Rotating Vortex Patches **107**, 1 (1986)
 Wang, X.P.: Approximation semi-classique de l'équation de Heisenberg **104**, 77 (1986)
 Warstat, V.: A Uniqueness Theorem for Systems of Interacting Polymers **102**, 47 (1985)
 Wasserman, A.G., see Smoller, J.A. **105**, 415 (1986)
 Wayne, C.E.: On the Elimination of Non-Resonance Harmonics **103**, 351 (1986)
 Wayne, C.E.: Bounds on the Trajectories of a System of Weakly Coupled Rotators **104**, 21 (1986)
 Weinstein, A.: Periodic Nonlinear Waves on a Half-Line (*Erratum*) **107**, 177 (1986)
 Weinstein, M.I., see Schochet, S.H. **106**, 569 (1986)
 Weiyue, D.: On a Conformally Invariant Elliptic Equation on R^n **107**, 331 (1986)
 Werner, R., see Summers, S.J. **110**, 247 (1987)
 Wichmann, E.H., see Driessler, W., et al. **105**, 49 (1986)
 Wichmann, E.H., see Buchholz, D. **106**, 321 (1986)
 Wickerhauser, M.V.: Inverse Scattering for the Heat Operator and Evolutions in $2+1$ Variables **108**, 67 (1987)
 Wiese, U.-J., see Laursen, M.L., et al. **103**, 693 (1986)
 Wiese, U.-J., see Gökeler, M., et al. **107**, 467 (1986)

- Windey, P.: Super-Kac-Moody Algebras and Supersymmetric $2d$ -Free Fermions **105**, 511 (1986)
- Witten, E., see Strominger, A. **101**, 341 (1985)
- Witten, E.: Elliptic Genera and Quantum Field Theory **109**, 525 (1987)
- Wittwer, P., see Koch, H. **106**, 495 (1986)
- Wojciechowski, S., see Perelomov, A.M., et al. **102**, 573 (1986)
- Wojtkowski, M.: Principles for the Design of Billiards with Nonvanishing Lyapunov Exponents **105**, 391 (1986)
- Wolpert, S.A., see Giddings, S.B. **109**, 177 (1987)
- Wreszinski, W.F., see Barata, J.C.A. **103**, 637 (1986)
- Wreszinski, W., Scharf, G.: On the Relation Between Classical and Quantum Statistical Mechanics **110**, 1 (1987)
- Wright, J.D.M., see Bunce, L.J. **101**, 87 (1985)

X

- Xia, J., see Kaminker, J. **110**, 427 (1987)

Y

- Yaffe, L.G., see King, C. **108**, 423 (1987)
- Yaffe, L.G., see Avron, J.E., et al. **110**, 33 (1987)

- Yajima, K.: Existence of Solutions of Schrödinger Evolution Equations **110**, 415 (1987)
- Yamanaka, I., see Sasaki, R. **108**, 691 (1987)
- Yanovski, A.B., see Gerdjikov, V.S. **103**, 549 (1986)
- Yau, H.-T., see Loss, M. **104**, 283 (1986)
- Yip, P.F.: A Strictly-Positive Mass Theorem **108**, 653 (1987)
- Yorke, J.A., Alligood, K.T.: Period Doubling Cascades of Attractors: A Prerequisite for Horseshoes **101**, 305 (1985)
- Yorke, J.A., see Tedeschini-Lalli, L. **106**, 635 (1986)

Z

- Zajaczkowski, W.M., see Valli, A. **103**, 259 (1986)
- Zegarliński, B.: The Gibbs Measures and Partial Differential Equations. I. Ideas and Local Aspects **107**, 411 (1986)
- Zegarlini, B., see Fröhlich, J. **110**, 121 (1987)
- Ziglin, S.L.: Concerning the Paper "Horseshoes in Perturbations of Hamiltonian Systems with Two Degrees of Freedom" by P.J. Holmes and J.E. Marsden (*Comments*) **108**, 527 (1987)
- Zumino, B., see Mañes, J., et al. **102**, 157 (1985)