Commun. Math. Phys. 80, 589–596 (1981)

Author Index to Volumes 71–80 (1980–1981)

A

Abellanas, L., Galindo, A.: Conserved Densities for Linear Evolution Systems **79**, 341 (1981)

Adler, M.: On the Bäcklund Transformation for the Gel'fand-Dickey Equations **80**, 517 (1981)

Aizenman, M.: Translation Invariance and Instability of Phase Coexistence in the Two Dimensional Ising System **73**, 83 (1980)

Aizenman, M., Martin, P.A.: Structure of Gibbs States of one Dimensional Coulomb Systems **78**, 99 (1980)

Aizenman, M., Simon, B.: Local Ward Identities and the Decay of Correlations in Ferromagnets **77**, 137 (1980)

Alvarez-Gaume, L., Freedman, D.Z.: Geometrical Structure and Ultraviolet Finiteness in the Supersymmetric σ-Model **80**, 443 (1981)

Ando, T., see Hemmen, J.L. van **76**, 143 (1980)

Araki, H.: On a Characterization of the State Space of Quantum Mechanics **75**, 1 (1980)

Aref'eva, I.Ya., Nissimov, E.R., Pacheva, S.J.: BPHZL Renormalization of $1/N$ Expansion and Critical Behaviour of the Three-Dimensional Chiral Field **71**, 213 (1980)

Arms, J.M., Marsden, J.E., Moncrief, V.: Symmetry and Bifurcations of Momentum Mappings **78**, 455 (1981)

Arneodo, A., Coullet, P., Tresser, C.: Possible New Strange Attractors With Spiral Structure **79**, 573 (1981)

Ashtekar, A.: On the Relation Between Classical and Quantum Observables **71**, 59 (1980)

Ashtekar, A., Dray, T.: On the Existence of Solutions to Einstein's Equation With Non-Zero Bondi News **79**, 581 (1981)

Asorey, M., Mitter. P.K.: Regularized, Continuum Yang-Mills Process and Feynman-Kac Functional Integral **80**, 43 (1981)

Avis, S.J., Isham, C.J.: Generalized Spin Structures on Four Dimensional Space-Times **72**, 103 (1980)

Avron, J.E., Herbst, I.W., Simon, B.: Schrödinger Operators With Magntic Fields. III. Atoms in Homogeneous Magnetic Field **79**, 529 (1981)

B

Bacry, H.: Constellations and Projective Classical Groups **72**, 119 (1980)

Ball, R., see Cloizeaux, J. des **80**, 543 (1981)

Balslev, E.: Analytic Scattering Theory for Many-Body Systems Below the Smallest Three-Body Threshold **77**, 173 (1980)

Bandelloni, G., Becchi, C., Blasi, A., Collina, R.: On the Cancellation of Hard Anomalies in Gauge Field Models: a Regularization Independent Proof **72**, 239 (1980)

Barbashov, B.M., Nesterenko, V.V.: Relativistic String Model in a Space-Time of a Constant Curvature **78**, 499 (1981)

Bardos, C., see Sulem, C., et al. **80**, 485 (1981)

Bashilov, Yu.A., Pokrovsky, S.V.: Conservation Laws in the Quantum Version of N-Positional Potts Model **76**, 129 (1980)

Batty, C.J.K.: Abelian Faces of State Spaces C^*-Algebras **75**, 43 (1980)

Baumgartner, B.: Classical Bounds on Quantum Partition Functions **75**, 25 (1980)

Becchi, C., see Bandelloni, G., et al. **72**, 239 (1980)

Beem, J.K.: Minkowski Space-Time is Locally Extendible **72**, 273 (1980)

Beig, R., Simon, W.: Proof of a Multiple Conjecture due to Geroch **78**, 75 (1980)

Benfatto, G., Cassandro, M., Gallavotti, G., Nicoló, F., Olivieri, E., Presutti, E., Scacciatelli, E.: Ultraviolet Stability in Euclidean Scalar Field Theories **71**, 95 (1980)

Benguria, R., Lieb, E.H.: The Positivity of the Pressure in Thomas-Fermi Theory (Erratum) **71**, 94 (1980)

Benguria, R., Brezis, H., Lieb, E.H.: The Thomas-Fermi-von Weizsäcker Theory of Atoms and Molecules **79**, 167 (1981)

Berezin, F.A., Perelomov, A.M.: Group-Theoretical Interpretation of the Korteweg-de Vries Type Equations **74**, 129 (1980)

Berezin†, F.A., Tolstoy, V.N.: The Group with Grassmann Structure $UOSP(1.2)$ **78**, 409 (1981)

Berger, M.S., Fraenkel, L.E.: Nonlinear Desingularization in Certain Free-Boundary Problems **77**, 149 (1980)

Blasi, A., see Bandelloni, G., et al. **72**, 239 (1980)

Bleher, P.M., Missarov, M.D.: The Equations of Wilson's Renormalization Group and Analytic Renormalization. I. General Results **74**, 235 (1980)

Bleher, P.M., Missarov, M.D.: The Equations of Wilson's Renormalization Group and Analytic Renormalization. II. Solution of Wilson's Equations **74**, 255 (1980)

Boldrighini, C., Frigio, S.: Equilibrium States for a Plane Incompressible Perfect Fluid **72**, 55 (1980)

Boldrighini, C., Frigio, S.: Equilibrium States for a Plane Incompressible Perfect Fluid **78**, 303 (1980)

Borchers, H.J., Garber, W.D.: Analyticity of Solutions of the $O(N)$ Nonlinear σ-Model **71**, 299 (1980)

Borchers, H.J., Garber, W.D.: Local Theory of Solutions for the $0(2k+1)\sigma$-Model **72**, 77 (1980)
Bourguignon, J.-P., Lawson, H.B., Jr.: Stability and Isolation Phenomena for Yang-Mills Fields **79**, 189 (1981)
Bratteli, O., Elliott, G.A., Herman, R.H.: On the Possible Temperatures of a Dynamical System **74**, 281 (1980)
Bratteli, O., Kishimoto, A., Robinson, D.W.: Positivity and Monotonicity Properties of C_0-Semigroups. I **75**, 67 (1980)
Brezis, H., see Benguria, R., et al. **79**, 167 (1981)
Bricmont, J., Lebowitz, J.L., Pfister, C.E.: Low Temperature Expansion for Continuous-Spin Ising Models **78**, 117 (1980)
Bricmont, J., Fontaine, J.-R., Lebowitz, J.L., Spencer, T.: Lattice Systems with a Continuous Symmetry. I. Perturbation Theory for Unbounded Spins **78**, 281 (1980)
Bricmont, J., Fontaine, J.-R., Lebowitz, J., Spencer, T.: Lattice System with a Continuous Symmetry. II. Decay of Correlations **78**, 363 (1981)
Bricmont, J., Fontaine, J.-R., Lebowitz, J.L., Lieb, E.H., Spencer, T.: Lattice Systems with a Continuous Symmetry. III. Low Temperature Asymptotic Expansion for the Plane Rotator Model **78**, 545 (1981)
Bros, J., Manolessou-Grammaticou, M.: Renormalized G-Convolution of N-Point Functions in Quantum Field Theory: Convergence in the Euclidean Case I **72**, 175 (1980)
Bros, J., Manolessou-Grammaticou, M.: Renormalized G-Convolution of N-Point Functions in Quantum Field Theory: Convergence in the Euclidean Case II **72**, 207 (1980)
Brydges, D.C., Fröhlich, J., Seiler, E.: Construction of Quantised Gauge Fields. II. Convergence of the Lattice Approximation **71**, 159 (1980)
Brydges, D.C., Federbush, P.: Debye Screening **73**, 197 (1980)
Brydges, D.C., Fröhlich, J., Seiler, E.: On the Constructions of Quantized Gauge Fields III. The Two-Dimensional Abelian Higgs Model Without Cutoffs **79**, 353 (1981)
Bunimovich, L.A., Sinai, Ya.G.: Markov Partitions for Despersed Billiards **78**, 247 (1980)
Bunimovich, L.A., Sinai, Ya. G.: Statistical Properties of Lorentz Gas with Periodic Configuration of Scatterers **78**, 479 (1981)

C

Caflisch, R.E.: The Boltzmann Equation with a Soft Potential. I. Linear, Spatially-Homogeneous **74**, 71 (1980)
Caflisch, R.E.: The Boltzmann Equation with a Soft Potential. II. Nonlinear, Spatially-Periodic **74**, 97 (1980)
Caginalp, G.: Wall and Boundary Free Energies. III. Correlation Decay and Vector Spin Systems **76**, 149 (1980)
Calan, C. de, David, F., Rivasseau, V.: Renormalization in the Complete Mellin Representation of Feynmann Amplitudes **78**, 531 (1981)
Caliceti, E., Graffi, S., Maioli, M.: Perturbation Theory of Odd Anharmonic Oscillators **75**, 51 (1980)
Callias, C., Taubes, C.H.: Functional Determinants in Euclidean Yang-Mills Theory **77**, 229 (1980)
Campanino, M.: Two Remarks on the Computer Study of Differentiable Dynamical Systems **74**, 15 (1980)
Campanino, M., Epstein, H.: On the Existence of Feigenbaum's Fixed Point **79**, 261 (1981)
Carey, A.L., Hurst, C.A.: A C^*-Algebra Approach to the Schwinger Model **80**, 1 (1981)
Carmona, R., Simon, B.: Pointwise Bounds on Eigenfunctions and Wave Packets in N-Body Quantum Systems. V. Lower Bounds and Path Integrals **80**, 59 (1981)
Cassandro, M., see Benfatto, G., et al. **71**, 95 (1980)
Cassandro, M., Olivieri, E.: Renormalization Group and Analyticity in one Dimension: A Proof of Dobrushin's Theorem **80**, 255 (1981)
Chaohao, Gu, Hesheng, Hu: On the Spherically Symmetric Gauge Fields **79**, 75 (1981)
Chernoff, P.R., see Cirincione, R.J. **79**, 33 (1981)
Christodoulou, D., O'Murchadha, N.: The Boost Problem in General Relativity **80**, 271 (1981)
Cirincione, R.J., Chernoff, P.R.: Dirac and Klein-Gordon Equations: Convergence of Solutions in the Nonrelativistic Limit **79**, 33 (1981)
Clarke, C.J.S., see Slupinski, M.J. **71**, 289 (1980)
Cloizeaux, J. des, Ball, R.: Rigid Curves at Random Positions and Linking Numbers **80**, 543 (1981)
Collet, P., Eckmann, J.-P.: On the Abundance of Aperiodic Behaviour for Maps on the Interval **73**, 115 (1980)
Collet, P., Eckmann, J.-P., Lanford III, O.E.: Universal Properties of Maps on an Interval **76**, 211 (1980)
Collina, R., see Bandelloni, G., et al. **72**, 239 (1980)
Combe, Ph., Høegh-Krohn, R., Rodriguez, R., Sirugue, M., Sirugue-Collin, M.: Poisson Processes on Groups and Feynman Path Integrals **77**, 269 (1980)
Combescure, M.: Spectral and Scattering Theory for a Class of Strongly Oscillating Potentials **73**, 43 (1980)
Corrigan, E., Goddard, P.: An n Monopole Solution with $4n-1$ Degrees of Freedom **80**, 575 (1981)
Coulett, P., see Arneodo, A., et al. **79**, 573 (1981)

D

Daniel, M.: The Operators Governing Quantum Fluctuations of Yang-Mills Multi-Instantons on S^4 and Their Seely Coefficients **73**, 95 (1980)

Daniëls, H.A.M., Enter, A.C.D. van: Differentiability Properties of the Pressure in Lattice Systems **71**, 65 (1980)

Daubechies, I.: On the Distributions Corresponding to Bounded Operators in the Weyl Quantization **75**, 229 (1980)

David, F., see Calan, C. de, et al. **78**, 531 (1981)

Davies, E.B.: Non-unitary Scattering and Capture. I. Hilbert Space Theory **71**, 277 (1980)

Davies, E.B.: Metastable States of Molecules **75**, 263 (1980)

Debacker-Mathot, F.: Integral Decomposition of Unbounded Operator Families **71**, 47 (1980)

Deift, P., Lund, F., Trubowitz, E.: Nonlinear Wave Equations and Constrained Harmonic Motion **74**, 141 (1980)

Devaney, R.L.: The Baker Transformation and a Mapping Associated to the Restricted Three Body Problem **80**, 465 (1981)

Dimock, J.: Algebras of Local Observables on a Manifold **77**, 219 (1980)

Donald, M.: The Classical Field Limit of $P(\varphi)_2$ Quantum Field Theory **79**, 153 (1981)

Doria, F.A.: The Geometry of Gauge Field Copies **79**, 435 (1981)

Doss, H.: Sur une Resolution Stochastique de l'Equation de Schrödinger à Coefficients Analytiques **73**, 247 (1980)

Dray, T., see Ashtekar, A. **79**, 581 (1981)

Dürr, D., Goldstein, S., Lebowitz, J.L.: A Mechanical Model of Brownian Motion **78**, 507 (1981)

Durhuus, B., Fröhlich, J.: A Connection Between ν-Dimensional Yang-Mills Theory and $(\nu-1)$-Dimensional, Non-Linear σ-Models **75**, 103 (1980)

E

Eastwood, M.G., Penrose, R., Wells, R.O., Jr.: Cohomology and Massless Fields **78**, 305 (1981)

Eckmann, J.-P., see Collet, P. **73**, 115 (1980)

Eckmann, J.-P., see Collet, P., et al. **76**, 211 (1980)

Ekhaguere, G.O.S.: A Characterization of Markovian Homogeneous Multicomponent Gaussian Fields **73**, 63 (1980)

Elliott, G.A., see Bratteli, O., et al. **74**, 281 (1980)

Enss, V., Simon, B.: Finite Total Cross-Sections in Nonrelativistic Quantum Mechanics **76**, 177 (1980)

Enter, A.C.D. van, see Daniëls, H.A.M. **71**, 65 (1980)

Enter, A.C.D. van: A Note on the Stability of Phase Diagrams in Lattice Systems **79**, 25 (1981)

Epstein, H., see Campanino, M. **79**, 261 (1981)

Epstein, H., Glaser, V., Iagolnitzer, D.: Some Analyticity Properties Arising from Asymptotic Completeness in Quantum Field Theory **80**, 99 (1981)

F

Fannes, M., Martens, R., Verbeure, A.: Moments of the Auto-Correlation Function and the KMS-Condition **80**, 529 (1981)

Federbush, P., see Brydges, D.C. **73**, 197 (1980)

Feigenbaum, M.J.: The Transition to Aperiodic Behaviour in Turbulent Systems **77**, 65 (1980)

Figerou, V.R.: On the Large Order Expansion for the Anharmonic Oscillators **79**, 401 (1981)

Flaschka, H., Newell, A.C.: Monodromy- and Spectrum-Preserving Deformations. I **76**, 65 (1980)

Fontaine, J.-R., see Bricmont, J., et al. **78**, 281 (1980)

Fontaine, J.-R., see Bricmont, J., et al. **78**, 363 (1981)

Fontaine, J.-R., see Bricmont, J., et al. **78**, 545 (1981)

Fordy, A.P., Gibbons, J.: Integrable Nonlinear Klein-Gordon Equations and Toda Lattices **77**, 21 (1980)

Forgács, P., Manton, N.S.: Space-Time Symmetries in Gauge Theories **72**, 15 (1980)

Fraenkel, L.E., see Berger, M.S. **77**, 149 (1980)

Fredenhagen, K.: On the Existence of Antiparticles **79**, 141 (1981)

Fredenhagen, K., Hertel, J.: Local Algebras of Observables and Pointlike Localized Fields **80**, 555 (1981)

Freedman, D.Z., see Alvarez-Gaume, L. **80**, 443 (1981)

Friedan, D.: Some Nonabelian Toy Models in the Large N Limit **78**, 353 (1981)

Friedman, J.L., Sorkin, R.D.: A Spin-Statistics Theorem for Composites Containing both Electric and Magnetic Charges **73**, 161 (1980)

Frigio, S., see Boldrighini, C. **72**, 55 (1980)

Frigio, S., see Boldrighini, C. **78**, 303 (1980)

Frisch, U., see Sulem, C., et al. **80**, 485 (1981)

Fröhlich, J., see Brydges, D.C., et al. **71**, 159 (1980)

Fröhlich, J., see Durhuus, B. **75**, 103 (1980)

Fröhlich, J., see Brydges, D.C., et al. **79**, 353 (1981)

G

Galindo, A., see Abellanas, L. **79**, 341 (1981)
Gallavotti, G., see Benfatto, G., et al. **71**, 95 (1980)
Garber, W.D., see Borchers, H.J. **71**, 299 (1980)
Garber, W.D., see Borchers, H.J. **72**, 77 (1980)
Gawedzki, K., Kupiainen, A.: A Rigorous Block Spin Approach to Massless Lattice Theories **77**, 31 (1980)
Gayduk, A.V., Romanov, V.N., Schwarz, A.S.: Supergravity and Field Space Democracy **79**, 507 (1981)
Gibbons, J., see Fordy, A.P. **77**, 21 (1980)
Glaser, V., see Epstein, H., et al. **80**, 99 (1981)
Glimm, J., Marchesin, D., McBryan, O.: Statistical Fluid Dynamics: Unstable Fingers **74**, 1 (1980)
Goddard, P., see Corrigan, E. **80**, 575 (1981)
Goldstein, S.: Remarks on the Global Markov Property **74**, 223 (1980)
Goldstein, S., see Dürr, D., et al. **78**, 507 (1981)
Graffi, S., see Caliceti, E., et al. **75**, 51 (1980)
Graffi, S., Grecchi, V.: Resonances in the Stark Effect of Atomic Systems **79**, 91 (1981)
Grecchi, V., see Graffi, S. **79**, 91 (1981)
Grossmann, A., Høegh-Krohn, R., Mebkhout, M.: The one Particle Theory of Periodic Point Interactions. Polymers, Monomolecular Layers, and Crystals **77**, 87 (1980)
Gui-zhang Tu: A Commutativity Theorem of Partial Differential Operators **77**, 289 (1980)

H

Hagedorn, G.A.: Semiclassical Quantum Mechanics. I. The $\hbar \to 0$ Limit for Coherent States **71**, 77 (1980)
Hagedorn, G.A.: A Time Dependent Born-Oppenheimer Approximation **77**, 1 (1980)
Harrel, E.M.: Double Wells **75**, 239 (1980)
Hawking, S.W.: Interacting Quantum Fields Around a Black Hole **80**, 421 (1981)
Hemmen, J.L. van, Ando, T.: An Inequality for Trace Ideals **76**, 143 (1980)
Herbst, I.W.: Exponential Decay in the Stark Effect **75**, 197 (1980)
Herbst, I.W., see Avron, J.E., et al. **79**, 529 (1981)
Herbst, I.W., Howland, J.S.: The Stark Ladder and Other One-Dimensional External Field Problems **80**, 23 (1981)
Herbst, W., Simon, B.: Dilation Analyticity in Constant Electric Field. II. N-Body Problem, Borel Summability **80**, 181 (1981)
Herman, R.H., see Bratteli, O., et al. **74**, 281 (1980)
Hertel, J., see Fredenhagen, K. **80**, 555 (1981)
Hesheng, Hu, see Chaohao, Gu **79**, 75 (1981)
Hochstenbach, W.J.M.A.: A Note on Coherent States **80**, 217 (1981)
Høegh-Krohn, R., see Grossmann, A., et al. **77**, 87 (1980)
Høegh-Krohn, R., see Combe, Ph., et al. **77**, 269 (1980)
Howland, J.S., see Herbst, I.W. **80**, 23 (1981)
Hurst, C.A., see Carey, A.L. **80**, 1 (1981)

I

Iagolnitzer, D.: Macrocausality, Unitary, and Physical-Region Structure of the Multiparticle S Matrix **77**, 251 (1980)
Iagolnitzer, D., see Epstein, H., et al. **80**, 99 (1981)
Imbrie, J.Z.: Mass Spectrum of the Two Dimensional $\lambda\phi^4 - \frac{1}{4}\phi^2 - \mu\phi$ Quantum Field Model **78**, 169 (1980)
Isaacson, D.: The Ground State Energy per Particle for Infinite Particle Quantum Systems **73**, 99 (1980)
Isham, C.J., see Avis, S.J. **72**, 103 (1980)
Izergin, A.G., Korepin, V.E.: The Inverse Scattering Method Approach to the Quantum Shabat-Mikhailov Model **79**, 303 (1981)

J

Jadczyk, A., Pilch, K.: Superspaces and Supersymmetries **78**, 373 (1981)
Jona-Lasinio, G., Martinelli, F., Scoppola, E.: New Approach to the Semiclassical Limit of Quantum Mechanics. I. Multiple Tunnelings in One Dimension **80**, 223 (1981)

K

Kay, B.S.: Linear Spin-Zero Quantum Fields in External Gravitational and Scalar Fields. II. Generally Covariant perturbation Theory **71**, 29 (1980)
Kesten, H.: The Critical Probability of Bond Percolation on the Square Lattice Equals 1/2 **74**, 41 (1980)
Kesten, H., Papanicolaou, G.C.: A Limit Theorem for Stochastic Acceleration **78**, 19 (1980)

Kishimoto, A., see Bratteli, O., et al. **75**, 67 (1980)
Kishimoto, A., Robinson, D.W.: Positivity and Monotonicity Properties of C_0-Semigroups. II **75**, 85 (1980)
Klaus, M., Simon, B.: Coupling Constant Thresholds in Nonrelativistic Quantum Mechanics. II. Two Cluster Thresholds in N-Body Systems **78**, 153 (1980)
Korepin, V.E.: The Mass Spectrum and the S Matrix of the Massive Thirring Model in the Repulsive Case **76**, 165 (1980)
Korepin, V.E., see Izergin, A.G. **79**, 303 (1981)
Kunz, H., Souillard, B.: Sur le spectre des opérateurs aux différences finies aléatoires **78**, 201 (1980)
Kupiainen, A.J.: On the $1/n$ Expansion **73**, 273 (1980)
Kupiainen, A.J.: $1/n$ Expansion for a Quantum Field Model **74**, 199 (1980)
Kupiainen, A., see Gawedzki, K. **77**, 31 (1980)
Kuroda, K.: The Geometrical Phase Transitions in a Lattice Model **80**, 403 (1981)

L

Lanford III, O.E., see Collet, P., et al. **76**, 211 (1980)
Lawson, H.B., Jr., see Bourguignon, J.-P. **79**, 189 (1981)
Lebowitz, J.L., see Bricmont, J., et al. **78**, 117 (1980)
Lebowitz, J.L.: Statistical Mechanics of Systems of Unbounded Spins **78**, 151 (1980)
Lebowitz, J.L., see Bricmont, J., et al. **78**, 281 (1980)
Lebowitz, J.L., see Bricmont. J., et al. **78**, 363 (1981)
Lebowitz, J.L., see Dürr, D., et al. **78**, 507 (1981)
Lebowitz, J.L., see Bricmont, J., et al. **78**, 545 (1981)
Levin, S.L.: Application of Dobrushin's Uniqueness Theorem to N-Vector Models **78**, 65 (1980)
Leznov, A.N., Saveliev, M.V.: Representation Theory and Integration of Nonlinear Spherically Symmetric Equations to Gauge Theories **74**, 111 (1980)
Lieb, E.H., see Benguria, R. **71**, 94 (1980)
Lieb, E.H.: A Refinement of Simon's Correlation Inequality **77**, 127 (1980)
Lieb, E.H., see Bricmont, J., et al. **78**, 545 (1981)
Lieb, E.H., see Benguria, R., et al. **79**, 167 (1981)
Lieb, E.H., Sokal, A.D.: A General Lee-Yang Theorem for One-Component und Multicomponent Ferromagnets **80**, 153 (1981)
Lund†, F., see Deift, P., et al. **74**, 141 (1980)

M

Maioli, M., see Caliceti, E., et al. **75**, 51 (1980)
Manneville, P., see Pomeau, Y. **74**, 189 (1980)
Manolessou-Grammaticou, M., see Bros, J. **72**, 175 (1980)
Manolessou-Grammaticou, M., see Bros, J. **72**, 207 (1980)
Manton, N.S., see Forgács, P. **72**, 15 (1980)
Marchesin, D., see Glimm, J., et al. **74**, 1 (1980)
Marsden, J.E., see Arms, J.M., et al. **78**, 455 (1981)
Martens, R., see Fannes, M., et al. **80**, 529 (1981)
Martin, A.: Boundedness of Total Cross-Sections in Potential Scattering. II **73**, 79 (1980)
Martin, P.A., see Aizenmann, M. **78**, 99 (1980)
Martinelli, F., see Jona-Lasinio, G., et al. **80**, 223 (1981)
McBryan, O., see Glimm, J., et al. **74**, 1 (1980)
Mebkhout, M., see Grossmann, A., et al. **77**, 87 (1980)
Mehta, M.L.: A Method of Integration over Matrix Variables **79**, 327 (1981)
Mikhailov, A.V., see Zakharov, V.E. **74**, 21 (1980)
Mikhailov, A.V., Olshanetsky, M.A., Perelomov, A. M.: Two-Dimensional Generalized Toda Lattice **79**, 473 (1981)
Misiurewicz, M., Szewc, B.: Existence of a Homoclinic Point for the Hénon Map **75**, 285 (1980)
Missarov, M.D., see Bleher, P.M. **74**, 235 (1980)
Missarov, M.D., see Bleher, P.M. **74**, 255 (1980)
Mitter, P.K., Viallet, C.M.: On the Bundle of Connections and the Gauge Orbit Manifold in Yang-Mills Theory **79**, 457 (1981)
Mitter, P.K., see Asorey, M. **80**, 43 (1981)
Molčanov, S.A.: The Local Structure of the Spectrum of the One-Dimensional Schrödinger Operator **78**, 429 (1981)
Molotkov, V.V., Todorov, I.T.: Gauge Dependence of World Lines and Invariance of the S-Matrix in Relativistic Classical Mechanics **79**, 111 (1981)
Moncrief, V., see Arms, J.M., et al. **78**, 455 (1981)
Mostow, M.A.: The Field Copy Problem: to what Extent do Curvature (Gauge Field) and its Covariant Derivatives Determine Connection (Gauge Potential)? **78**, 137 (1980)
Mourre, E.: Absence of Singular Continuous Spectrum for Certain Self-Adjoint Operators **78**, 391 (1981)

N

Narnhofer, H., Sewell, G.L.: Equilibrium States of Gravitational Systems **71**, 1 (1980)
Narnhofer, H., Sewell, G.L.: Vlasov Hydrodynamics of a Quantum Mechanical Model **79**, 9 (1981)

Nenciu, G.: On the Adiabatic Limit for Dirac Particles in External Fields **76**, 117 (1980)
Nesterenko, V.V., see Barbashov, B.M. **78**, 499 (1981)
Newell, A.C., see Flaschka, H. **76**, 67 (1980)
Newman, C.M.: Normal Fluctuations and the FKG Inequalities **74**, 119 (1980)
Newman, C.M.: Critical Point Dominance in One Dimension **79**, 133 (1981)
Nicoló, F., see Benfatto, G., et al. **71**, 95 (1980)
Nissimov, E.R., see Aref'eva, I.Ya., et al. **71**, 213 (1980)
Nuttall, J., Singh, S.R.: Continuation of Partial-Wave Two-Cluster Atomic Scattering Amplitudes **72**, 1 (1980)

O

Olivieri, E., see Benfatto, G., et al. **71**, 95 (1980)
Olivieri, E., see Cassandro, M. **80**, 255 (1981)
Olshanetsky, M.A., see Mikhailov, A.V., et al. **79**, 473 (1981)
O'Murchadha, N., see Christodoulou, D. **80**, 271 (1981)

P

Pacheva, S.J., see Aref'eva, I.Ya., et al. **71**, 213 (1980)
Papanicolaou, G.C., see Kesten, H. **78**, 19 (1980)
Pastur, L.A.: Spectral Properties of Disordered Systems in One-Body Approximation **75**, 179 (1980)
Penrose, R., see Eastwood, M.G., **78**, 305 (1981)
Perelomov, A.M., see Berezin, F.A. **74**, 129 (1980)
Perelomov, A.M., see Mikhailov, A.V., et al. **79**, 473 (1981)
Pfister, C.E., see Bricmont, J., et al. **78**, 117 (1980)
Pfister, C.-E.: On the Symmetry of the Gibbs States in Two Dimensional Lattice Systems **79**, 181 (1981)
Pflug, A.: Gravitating Fermions in an Infinite Configuration Space **78**, 83 (1980)
Pilch, K., see Jadczyk, A. **78**, 373 (1981)
Poénaru, V.: Some Aspects of the Theory of Defects of Ordered Media and Gauge Fields Related to Foliations **80**, 127 (1981)
Pohlmeyer, K.: On the Lagrangian Theory of Anti-Self-Dual Fields in Four-Dimensional Euclidean Space **72**, 37 (1980)
Pokrovsky, S.V., see Bashilov, Yu.A. **76**, 129 (1980)
Pomeau, Y., Manneville, P.: Intermittent Transition to Turbulence in Dissipative Dynamical Systems **74**, 189 (1980)
Prasad, M.K.: Yang-Mills-Higgs Monopole Solutions of Arbitrary Topological Charge **80**, 137 (1981)
Presutti, E., see Benfatto, G., et al. **71**, 95 (1980)
Provost, J.P., Vallee, G.: Riemannian Structure on Manifolds of Quantum States **76**, 289 (1980)

R

Renardy, M.: On Bounded Solutions of a Classical Yang-Mills Equation **76**, 277 (1980)
Requardt, M.: How Conclusive is the Scaling Argument? The Connection Between Local and Global Scale Variations of Finite Action Solutions of Classical Euler-Lagrange Equations **80**, 369 (1981)
Rinke, M.: The Relation between Relativistic Strings and Maxwell Fields of Rank 2 **73**, 265 (1980)
Rivasseau, V., Speer, E.: The Borel Transform in Euclidean φ_ν^4 Local Existence for $\mathrm{Re}\,\nu < 4$ **72**, 293 (1980)
Rivasseau, V.: Lieb's Correlation Inequality for Plane Rotors **77**, 145 (1980)
Rivasseau, V., see Calan, C. de, et al. **78**, 531 (1981)
Robinson, D.W., see Bratteli, O., et al. **75**, 67 (1980)
Robinson, D.W., see Kishimoto, A. **75**, 85 (1980)
Rodriguez, R., see Combe, Ph., et al. **77**, 269 (1980)
Romanov, V.N., see Gayduk, A.V., et al. **79**, 507 (1981)
Rüssmann, H., Zehnder, E.: On a Normal Form of Symmetric Maps of [0, 1] **72**, 49 (1980)

S

Saveliev, M.V., see Leznov, A.N. **74**, 111 (1980)
Scacciatelli, E., see Benfatto, G., et al. **71**, 95 (1980)
Scheffer, V.: The Navier-Stokes Equations on a Bounded Domain **73**, 1 (1980)
Schmidt, B.G.: The Decay of the Gravitational Field **78**, 447 (1981)
Schoen, R., Yau, S.-T.: The Energy and the Linear Momentum of Space-Times in General Relativity **79**, 47 (1981)
Schoen, R., Yau, S.-T.: Proof of the Positive Mass Theorem. II **79**, 231 (1981)
Schwarz, A.S., see Gayduk, A.V., et al. **79**, 507 (1981)
Scoppola, E., see Jona-Lasinio, G., et al. **80**, 223 (1981)

Segal, G.: Unitary Representations of Some Infinite Dimensional Groups **80**, 301 (1981)
Seiler, E., see Brydges, D.C., et al. **71**, 159 (1980)
Seiler, E., see Brydges, D.C., et al. **79**, 353 (1981)
Sewell, G.L., see Narnhofer, H. **71**, 1 (1980)
Sewell, G.L., see Narnhofer, H. **79**, 9 (1981)
Shlosman, S.B.: Phase Transitions for Two-Dimensional Models with Isotropic Short-Range Interactions and Continuous Symmetries **71**, 207 (1980)
Simon, B.: The Classical Limit of Quantum Partition Functions **71**, 247 (1980)
Simon, B., see Enss, V. **76**, 177 (1980)
Simon, B.: Correlation Inequalities and the Decay of Correlations in Ferromagnets **77**, 111 (1980)
Simon, B., see Aizenman, M. **77**, 137 (1980)
Simon, B., see Klaus, M. **78**, 153 (1980)
Simon, B., see Avron, J.E., et al. **79**, 529 (1981)
Simon, B., see Carmona, R. **80**, 59 (1981)
Simon, B., see Herbst, J.W. **80**, 181 (1981)
Simon, W., see Beig, R. **78**, 75 (1980)
Sinai, Ya.G., see Bunimovich, L.A. **78**, 247 (1980)
Sinai, Ya.G., see Bunimovich, L.A. **78**, 479 (1981)
Singh, S.R., see Nuttall, J. **72**, 1 (1980)
Sirugue, M., see Combe, Ph., et al. **77**, 269 (1980)
Sirugue-Collin, M., see Combe, Ph., et al. **77**, 269 (1980)
Slawny, J.: Ergodic Properties of Equilibrium States **80**, 477 (1981)
Slupinski, M.J., Clarke, C.J.S.: Singular Points and Projective Limits in Relativity **71**, 289 (1980)
Sokal, A.D., see Lieb, E.H. **80**, 153 (1981)
Sorkin, R.D., see Friedman, J.L. **73**, 161 (1980)
Souillard, B., see Kunz, H. **78**, 201 (1980)
Speer, E., see Rivasseau, V. **72**, 293 (1980)
Spencer, T.: The Lipatov Argument **74**, 273 (1980)
Spencer, T., see Bricmont, J., et al. **78**, 281 (1980)
Spencer, T., see Bricmont, J., et al. **78**, 363 (1981)
Spencer, T., see Bricmont, J., et al. **78**, 545 (1981)
Srinivas, M.D.: Collapse Postulate for Observables with Continuous Spectra **71**, 131 (1980)
Sulem, C., Sulem, P.L., Bardos, C., Frisch, U.: Finite Time Analyticity for the Two and Three Dimensional Kelvin-Helmholtz Instability **80**, 485 (1981)
Sulem, P.L., see Sulem, C., et al. **80**, 485 (1981)
Sylvester, G.S.: The Ginibre Inequality **73**, 105 (1980)
Szewc, B., see Misiurewicz, M. **75**, 285 (1980)

T

Taubes, C.H.: Arbitrary N-Vortex Solutions to the First Order Ginzburg-Landau Equations **72**, 277 (1980)
Taubes, C.H.: On the Equivalence of the First and Second Order Equations for Gauge Theories **75**, 207 (1980)
Taubes, C.H., see Callias, C. **77**, 229 (1980)
Taubes, C.H.: The Existence of Multi-Monopole Solutions to the Non-Abelian, Yang-Mills-Higgs Equations for Arbitrary Simple Gauge Groups **80**, 343 (1981)
Thirring, W.: A Lower Bound with the best Possible Constant for Coulomb Hamiltonians **79**, 1 (1981)
Thomas, L.E.: Stochastic Coupling and Thermodynamic Inequalities **77**, 211 (1980)
Todorov, I.T., see Molotkov, V.V. **79**, 111 (1981)
Tolstoy, V.N., see Berezin†, F.A. **78**, 409 (1981)
Tresser, C., see Arneodo, A., et al. **79**, 573 (1981)
Trubowitz, E., see Deift, P., et al. **74**, 141 (1980)

V

Vallee, G., see Provost, J.P. **76**, 289 (1980)
Verbeure, A., see Fannes, M., et al. **80**, 529 (1981)
Viallet, C.M., see Mitter, P.K. **79**, 457 (1981)
Vuillermot, P.A.: Nonlinear Dynamics of the Infinite Classical Heisenberg Model: Existence Proof and Classical Limit of the Corresponding Quantum Time Evolution **76**, 1 (1980)

W

Waniewski, J.: "Time Inversion" and Mobility of Many Particle Systems **76**, 27 (1980)
Ward, R.S.: Self-Dual Space-Times with Cosmological Constant **78**, 1 (1980)
Ward, R.S.: A Yang-Mills-Higgs Monopole of Charge 2 **79**, 317 (1981)
Ward, R.S.: Ansätze for Self-Dual Yang-Mills Fields **80**, 563 (1981)
Wells, R.O., Jr., see Eastwood, M.G., et al. **78**, 305 (1981)
Wells, R.O., Jr.: Hyperfunction Solutions of the Zero-Rest-Mass Field Equations **78**, 567 (1981)
Westwater, M.J.: On Edwards' Model for Long Polymer Chains **72**, 131 (1980)
Westwater, M.J.: On Edwards' Model for Polymer Chains: II. The Self-Consistent Potential **79**, 53 (1981)
Witten, E.: A New Proof of the Positive Energy Theorem **80**, 381 (1981)
Wittstock, G.: Matrix Order and W^*-Algebras in the Operational Approach to Statistical Physical Systems **74**, 61 (1980)

Wojtkowski, M.: A Model Problem with the Coexistence of Stochastic and Integrable Behaviour **80**, 453 (1981)

Y

Yajima, K.: A Multi-Channel Scattering Theory for Some Time Dependent Hamiltonians, Charge Transfer Problem **75**, 153 (1980)
Yates, R.G.: Fibre Bundles and Supersymmetries **76**, 255 (1980)
Yau, S.-T., see Schoen, R. **79**, 47 (1981)
Yau, S.-T., see Schoen, R. **79**, 231 (1981)

Z

Zagrebnov, V.A.: On the Families of Gibbs Semigroups **76**, 269 (1980)
Zakharov, V.E., Mikhailov, A.V.: On the Integrability of Classical Spinor Models in Two-Dimensional Space-Time **74**, 21 (1980)
Zamolodchikov, A.B.: Tetrahedron Equations and the Relativistic S-Matrix of Straight-Strings in $2+1$-Dimensions **79**, 489 (1981)
Zehnder, E., see Rüssmann, H. **72**, 49 (1980)
Zimmermann, W.: The Renormalization Group of the Model of A^4-Coupling in the Abstract Approach of Quantum Field Theory **76**, 39 (1980)