March 12, 1976

AMP NEWS BULLETIN

Progress Report
1. The committee is working on the statutes for the society so that by about the end of the year the society can be founded and we will ask for membership.
2. Springer has agreed to give a 50% reduction for the subscription to the Communications of Mathematical Physics for members of the society. People interested in this deal should notify me so that I can inform Springer about the number of people subscribing. A similar arrangement is being negotiated for the Reports on Mathematical Physics.
3. If you want to make sure that your preprints for the News Bulletin does not get confused with others please mark them with AMP.
4. Although there has been some response to our soliciting for conference information, there are still many conferences going on of which I only know by chance or rumor. Of course, we don't want to prevent exclusive or even secret conferences. One should keep in mind, however, that displacement of many competent people is always a considerable financial investment and it is a pity, if only a very small fraction of the scientific community can benefit from it. Please indicate also, if conference proceedings are envisaged.

W. Thirring

Preprints

H. Araki: Relative Entropy and its Applications
Inequalities in von Neumann Algebras
Relative Entropy of States of von Neumann Algebras
Kyoto University

A. Mardin, R.F. Streater: On the Spinor Rank of Fermi Fields
ZiF, University of Bielefeld

E. Mourre: Applications de la méthode de Lavine au probleme a trois corps
CNRS, Marseille

J. Fröhlich: Quantum Sine-Gordon Equation and Quantum Solitons in Two-Space-Time Dimensions
Classical and Quantum Statistical Mechanics in One and Two Dimensions:
Two Component Yukawa and Coulomb System
New Super-Selection Sectors (Soliton States) in Two Dimensional Bose
Quantum Field Models
Princeton University

M. Schechter, R.A. Weder: The Schrödinger Operator with Magnetic Vector Potential
ETH Zürich

W.L. Van Neerven, R.P. Van Rooyen: A Calculation of the Critical Exponents in Three Dimensions
Sint Stanislas College, Delft
M. Bouziane, Ph.A. Martin: Bogoliubov Inequality for Unbounded Operators and the Bose Gas  
EPF, Lausanne

A Unique Characterization of the Generalized Boltzmann-Gibbs-Shannon Entropy  
Universität München

W. Ochs, H. Spohn: A Characterization of the Segal Entropy  
Universität München

O. Bratteli, D.W. Robinson: Green Functions, Hamiltonians and Modular Automorphisms  
ZiF, Bielefeld

Y.M. Park: Convergence of Lattice Approximation and Infinite Volume Limit in the $(\lambda \phi^4 - \alpha \phi^2 - \mu \phi)_3$ Field Theory  
ZiF, Bielefeld

J.L. Bonnard, R.F. Streater: Local Gauge Models Predicting Their Own Superselection Rules  
ZiF, Bielefeld

A. Frigerio, V. Gorini: N-Level Systems in Contact with a Singular Reservoir II  
University of Milano

W. Holsztynski, J. Slawny: Phase Transitions in Ferromagnetic Spin Systems at Low Temperatures  
Princeton University

F. Dunlop: Correlation Inequalities for Multicomponent Rotators  
IHES, Bures

G.G. Emch: Non-Equilibrium Quantum Statistical Mechanics  
ZiF, Bielefeld

D. Baumgarten, G. Brauns, O. Wagner: Causal Solutions of Nonlinear Wave and Spinor Equations Obtained by Gel'fand-Shilov Regularization  
Universität Gießen

C. DeWitt-Morette: The Semi-Classical Expansion  
Catastrophes in Lagrangian Systems – A  
University of Texas, Austin

M. Casartelli, E. Diana, L. Galgani, A. Scotti: Numerical Computations on a Stochastic Parameter Related to the Kolmogorov Entropy  
Parma University

J. Dimock, J.P. Eckmann: On the Bound State in Weakly Coupled $(\phi^6 - \phi^4)_2$  
University of Geneva

A. Uhlmann: On Some Generalization of the Griffith Inequality (in Russian)  
Dubna

T. Kipper: Pointwise Lower and Upper Bounds for Eigenfunctions of Ordinary Differential Operators  
Battielle, Geneva
J. Weyer: On Domains of Maximal Monoton Operators  
Battelle, Geneva

N.W. Bazley: Approximation of Operators with Reproducing Nonlinearities  
Battelle, Geneva

J. Glimm, A. Jaffe, Th. Spencer: Phase Transitions for $\varphi^4_3$ Quantum Fields  
Existence of Phase Transitions for $\varphi^4_3$ Quantum Fields  
Rockefeller University, New York

P.C. Sabatier: Positivity Constraints in Linear Inverse Problems, II Applications  
Montpellier

S. Blaha: Quantization Rules for Point Singularities in Superfluid He$^3$ and Liquid Crystals  
Syracuse University

Princeton University

B.M. Gurevich, I.M. Suhov: Stationary Solutions of the Bogoliubov Hierarchy Equations  
in Classical Statistical Mechanics II  
CNRS Marseille

I.M. Suhov: Random Point Processes and Dobrushin-Lanford-Ruelle Equations  
CNRS Marseille

D.W. Robinson: Bose-Einstein Condensation with Attractive Boundary Conditions  
CNRS Marseille

R. Behling, A. Bongers, T. Küpper: Upper and Lower Bounds to Critical Values of the  
Hartree Operator  
Universität Köln

H.W. Melzer, G.P. Christ: Über die Grundzustände eines nichtlinearen maximal monotonen Potentialoperators  
Universität Köln

E. Gal-Ezer, L.P. Horwitz: Null-Plane Charges and Fourier Transforms, and the Asymptotic Behaviour of Scattering Amplitudes  
Charges as Null Plane Integrals over Tensor Densities  
Mass Splitting in Relativistic Quantum Field Theory  
Space-Like Charges, Null Plane Charges and Mass Splitting  
Tel Aviv University

H. Kunz, C.E. Pfister: First Order Phase Transition in the Plane Rotator  
ZiF, Bielefeld

J.L. Challifour: Schwinger Functionals and Euclidian Measures  
ZiF Bielefeld

Saint Louis University

H. Narnhofer: Kommutative Automorphismen und Gleichgewichtszustände  
University of Vienna

H. Grosse: Bounds on Scattering Parameters  
University of Vienna
Conferences and Schools

June 10 - 12, 1976

50th Anniversary of the Schrödinger Equation, Vienna
Further information: Prof. W. Thirring, Institut für Theoretische Physik,
Universität Wien, Boltzmanngasse 5, A-1090 Wien,
Austria

August 1 - 21, 1976

Fundamentals of Quark Models, Scottish University Summer School,
St. Andrews
Further information: Dr. D.D. Sutherland, Department of Natural Philosophy,
The University, Glasgow, G12 8QQ, Scotland

August 30 - September 11, 1976

Electrons in Finite and Infinite Structures, Gent
Further information: Prof. Dr. P. Phariseau, Krijgslaan 271 / S9,
Rijksuniversiteit Gent, B-9000 Gent, Belgium
May 5, 1976

AMP NEWS BULLETIN

Progress Report

1. Pergamon Press has agreed to give a 50% reduction for the subscription to Reports on Mathematical
Physics for members of the society. People interested in this deal should notify me so that I can take
the further measures.

2. We shall also announce new publications in mathematical physics which are either in the form of
lecture notes or of books. People who want this material to be included in the bulletin should send
it to me marked AMP.

W. Thirring

Preprints

J.T. Lopuszanski, J. Szczyzka-Sokołowska: Locally Conserved Currents Linearly Dependent on the Energy
- Momentum Tensor and the Polynomial in the Position Variables, Wrocław, Poland

J. Naudts: The Bogoliubov Inequality in k-Space, Universiteit Antwerpen

Ph. Droz-Vincent: Hamiltonian Construction of Predictive Systems, Université Paris VII

W.G. Paris: An Inequality of Strichartz and Quantum Mechanical Binding, University of Arizona, Tucson

F. Guerra: External Field Dependence of Magnetization and Long Range Order in Quantum Field Theory
(Note added), Institute for Advanced Study, Princeton

Introduction to Stochastic Field Theory

J.M. Lévy-Leblond: Who Is Afraid of Non-Hermitian Operators? A Quantum Description of Angle and Phase,
Université Paris VII

J. Magnen, R. Seneor: The Wightman Axioms for the Weakly Coupled Yukawa Model in Two Dimensions,
ZfF, Bielefeld

R.H. Herman, M. Takesaki: The Comparability Theorem for Cyclic Projections, ZfF, Bielefeld


A.O. Barut, L. Giraudello, W. Wyss: Nonlinear O(n+1)-Symmetric Field Theories, Symmetry Breaking and
Finite Energy Solutions, University of Colorado, Boulder

R. Ingarden: Quantum Information Theory, Torun, Poland

Special Study of the Helium-Atom Ground State, Torun, Poland

G. Czajkowski: Stochastisches Modell für Nicht-Gleichgewichts-Koexistenz dreier Phasen, Torun, Poland

A. Cooper, L. Rosen: The Weakly Coupled Yukawa Field Theory: Cluster Expansion and Wightman Axioms,
Toronto

E. Sasiada, R.S. Ingarden: A Notion of Entropy Which Does Not Increase, Comments on the Kolmogorov-
Sinai-Sasieda Entropy and the Quantum Information Entropy, Torun, Poland

G.G. Emch: Generalized K-Flows, ZF, Bielefeld


J. Lukierski: Lagrangian Model of Conformal Invariant Interacting Quantum Field Theory, ZF, Bielefeld

F. Jegerlehner: Dilatation Structures in Renormalized Field Theory and Non-Renormalizable Models,
ZfF, Bielefeld

S. Albeverio, R. Höegh-Krohn: Canonical Quantum Fields in Two Space-Time Dimensions, Matematisk
Institutt, Universitetet i Oslo

S.L. Woronowicz: Nonextendible Positive Maps, ZfF, Bielefeld

D.E. Evans, J.T. Lewis: Completely Positive Maps on the CCR Algebra, Dublin Institute for Advanced
Studies

Ch. Radin: The Dynamical Instability of Nonrelativistic Many Body Systems, University of Pennsylvania,
Philadelphia

F. Calogero, A. Degasperis: Nonlinear Evolution Equations Solvable by the Inverse Spectral Transform,
University di Lecce, Italy

F. Calogero: On a Functional Equation Connected with Integrable Many Body Problems, Universita di
Roma, Italy

J. Bricmont: Correlation Inequalities for Two Component Fields, Louvain-la-Neuve, Belgium

Inequalities between Different Multicomponent Field Theories

2) The Group SO(4C). 3) Semisimple Coordinates, University of Waikato, Hamilton, New Zealand,
and University of Minnesota, Minneapolis

S. Albeverio, R. Höegh-Krohn: Oscillatory Integrals and the Method of Stationary Phases in Infinitely
Many Dimensions, with Applications to the Classical Limit of Quantum Mechanics I,
Ditrichlet Forms and Diffusion Processes on Rigged Hilbert Spaces, Oslo


H. Spohn: Relaxation of Finite Closed Systems

Approach to Equilibrium, also an Announcing for Completely Positive Dynamical Semigroups of N-Level Systems,
An Algebraic Condition for the Approach to Equilibrium of an Open N-Level System,
Universität München
J. Lukierski, A. Ogielski: Renormalization Group and Scale Invariance in Terms of Asymptotic Fields, ZiF, Bielefeld
O. Bratteli, R.H. Herman, D.W. Robinson: Quasianalytic Vectors and Derivations of Operator Algebras, ZiF, Bielefeld
J. Bellisard, B. Jochum, R. Lima: Homogeneous and Facially Homogeneous Selfdual Cones, CNRS, Marseille
C. Parenti, F. Strocchi, G. Velo: Hilbert Space Sectors for Solutions of Non Linear Relativistic Field Equations, Bologna, Italy
W. Sandhas: Dynamical Equations and Approximation Methods, Bonn, Germany
K. Kraus, L. Polley, G. Reents: Generators of Infinite Direct Products of Unitary Groups, Models for Infrared Dynamics. I Classical Currents, Würzburg, Germany
K. Kraus: Position Observables of the Photon, Würzburg, Germany

Books and Lecture Notes

Pergamon Press:
Zhe-Xian Wan: Lie Algebras
R. Kurth: Elements of Analytical Dynamics
K. Washizu: Variational Methods in Elasticity and Plasticity
E.W. Schmidt, H. Ziegelmann: The Quantum Mechanical Three Body Problem

Universität Wien, Institut für Theoretische Physik:
W. Thirring: Klassische Feldtheorie,
Quantenmechanik
Quantenmechanik großer Systeme.

Conferences and Schools

July 5 - 9, 1976
Journées de Mécanique statistique sur les Systèmes Coulombiens, Lausanne, EPF
Further information: Prof. Ph. Choquard, Department of Physics, 14, av. de l'Eglise-ANGLaise, Ch-1001 Lausanne, Suisse.
AMP NEWS BULLETIN

June 21, 1976

Editorial Note

1. The tightness of the job situation in the past years has led to a stagnation in the exchange of young scientists. There is the acute danger that the various fields fragment even further in many weakly interacting groups. Although, there is not much we can do about, I thought we could at least announce the jobs which become available in this field so that they become more widely known. Therefore, if you consider filling positions with people coming from outside, please send me an announcement.

2. We do not have for distribution the reprints we announce. Therefore please write to the author or his institution.

3. Since we want to announce only papers which exist already and are not only planned to be written, please do send us the preprint and not just a letter with the title.

4. I would like to remind you that both the Reports on Mathematical Physics and Communications in Mathematical Physics grant 50% reduction for private subscription for members of AMP.

W. Thirring

Preprints

E.G. Beltrametti, G. Cassinelli: Logical and Mathematical Structures of Quantum Mechanics, Genova, Italy.


On the Clebsch Gordan Expansion for the Lorentz Group in n Dimensions, Institute for Advanced Studies, Princeton.


A. Uhlmann: The General Ising Model.

Zur Beschreibung irreduzibler Quartenprozesse, The Transition Probability in the State Space of a *-Algebra, Karl-Marx Universität, Leipzig, DDR.


K. Chadan: The Number of Bound States of Singular Oscillating Potentials, Université de Paris-Sud, Orsay.


K. Osterwelder, R. Seneor: The Scattering Matrix is Non Trivial for Weakly Coupled P(φ)² Models, Harvard, USA.

C. Burman: Isolated One Particle States in Boson Quantum Field Theory Models, Harvard, USA.

J. Ginim, A. Jaffe: Critical Exponents and Renormalization in the φ⁴ Scaling Limit, Critical Problems in Quantum Fields, Harvard, USA.

A. Jaffe: Problem Ergodiques Dans la Theorie Quantique des Champs, Harvard, USA.


F. Roman, J. Havisto: Gauge Theories and Nonrelativistic Cosmological Symmetries, Boston University.

P. Jacob: General Covariance Is Incompatible to the Concept of Elementary Systems, Max Planck Institut für Erforschung der Lebensbedingungen, Starnberg, BRD.

R. Weder: Selfadjointness and Invariance of the Essential Spectrum for the Klein Gordon Equation, ETH Zürich.

L. Castell: Comment on Dirac's Paper „Wave Equation in Conformal Space“, Max Planck Institut für Erforschung der Lebensbedingungen, Starnberg, BRD.


E. Stromer: Involutory Automorphisms of Simple *-Algebras, ZIF, Bielefeld, BRD.


U. Cattaneo: On Locally Continuous Cocycles, Kaiserslautern, BRD.


K.R. Itó: Two Dimensional Quantum Electrodynamics as a Model in the Constructive Quantum Field Theory, Kyoto, Japan.

J. Messer: A Metric Space of Interactions and the Thermodynamic Limit, Göttingen, BRD.

G. Fonte, G. Schiffer: A Computational Method for Eigenvalues and Eigenvectors, Catania, Italy.

S.I. Andersson: Unitary Implementation of Second Quantized Dynamics of Hyperbolic Type, Institut Mittag-Leffler.


J. Glimm, A. Jaffe: $\Omega$ Bounds in $\Psi(\Phi^4)$, Quantum Field Models, Harvard, USA.


A.L. Stella, F. Toigo: Renormalization Group Approach to a Bose System and Irrelevance of Quantum Features, Padua, Italy.

W.A. Bardeen, B.W. Lee, R.E. Shrock: Phase Transition in the Nonlinear o-Model in a 2re Dimensional Continuum, Fermilab.

J. Bismut, F. Debbasch-Mathot: The Wegner Approximation of the Plane Rotator Model as a Massless, Free, Lattice, Euclidian Field, Louvain-la-Neuve, Belgium.

J.P. Leveille, P. Roman: On the Implementability of Local Gauge Transformations in a Theory with Localized States, Boston University.

Books


Conferences and Schools

August 23 - Sept. 4, 1976

Many Degrees of Freedom in Particle Physics and Field Theory, Bielefeld, Germany

Further Information: Mrs. A. Baker, ZfF, Wellenberg 1, D-4800 Bielefeld 1, Germany.

July 5 - 9, 1976

Méthodes non perturbatives en théorie quantique des champs, CNRS, Marseille

Further Information: P. Stora, CPT-CNRS, 31, chemin J. Aiguier, Marseille, France.
Editorial Note

Unfortunately we get the information about many conferences too late or not at all. Please do collaborate and inform us in time of your plans.

W. Thirring

Preprints

L. Streit: Lightlike Initial Data for Quantum Field Theory, ZiF Bielefeld
S. Alberverio, R. Hoegh-Krohn: The Energy Representation of Sobolev-Lie Groups, ZiF Bielefeld
L.P. Horwitz, S. Raby: The Physics of Charges in Relativistic Quantum Field Theory, Tel Aviv University
E. Gal-Ezer, L.P. Horwitz: Null Plane Charges and Fourier Transforms for Explicitly and Spontaneously Broken Symmetries, Tel Aviv University
J. Fröhlich: Phase Transitions, Goldstone Bosons and Topological Superelection Rules, ZiF Bielefeld
Z. Horváth, L. Palla: Monopoles, Dyons and Other Topologically Stable Solutions in Gauge Theory, Budapest
B. Trombory, S. Waldenström: Bounds on the Diagonal Elements of a Unitary Matrix, Copenhagen, Niels Bohr Institute
H.D. Doebner, J.E. Werth: Local Group Actions and Lie Algebra Representations I, Globalizations and Integrability, ICTP, Trieste
Shang-Jin Chang: The Existence of a Second Order Phase Transition in the Two Dimensional \(\phi^4\) Field Theory, University of Illinois, Urbana
M. Havlicek, W. Lassner: Matrix Canonical Realization of the Lie Algebra \(u(p,q)\), Dubna
I.T. Todorov: Sur la quantification d'un système mécanique avec des contraintes de deuxième classe, IHES, Bures-sur-Yvette
G. Lassner, B. Timmermann: The Strong Topology on the Algebra of Polynomials, Karl-Marx-Universität, Leipzig
O. Bratteli: Unbounded Derivations and Invariant States, ZiF Bielefeld
V. Ennsl: A Note on Huzink's Theorem, ZiF Bielefeld
J. Fröhlich, J.M. Park: Remarks on Exponential Interactions and the Quantum-Sine-Gordon Equation in Two Space-Time Dimensions, ZiF Bielefeld
R. Schrader: A Possible Constructive Approach to \(\phi^4\) III, Harvard University, Cambridge, Mass.
J. Glimm, A. Jaffe, Th. Spencer: A Convergent Expansion About Mean Field Theory, Part I The Expansion, Rockefeller University, New York
Part II Convergence of the Expansion
J.R. Klauder: Augmented Quantum Field Theory: A Proposal to Extend Conventional Formulations, Bell Laboratories, Murray Hill, N.J.
C. Parenti, F. Strocchi, G. Velo: Dynamical Charges and Symmetries in Non Linear Classical Field Theory, ZiF Bielefeld
J. Fröhlich, L. Streit: Stability of Scattering Phase Shifts, Graz, Austria
S. Nagamachi, N. Mugibayashi: Quantum Field Theory in Terms of Fourier Hyperfunctions, Tokushima University, Japan
K. Gustafson, B. Misra: Canonical Commutation Relations of Quantum Mechanics and Stochastic Regularity, EPF, Lausanne
L.D. Faddeev: Some Comments on the Many Dimensional Soliton, CERN, Geneva
D. Jagodzinski, B. Souillard: Decay of Correlations for Slowly Decreasing Potentials, CEN d'Saclay, France
P.I. Holod: Structure of a Degenerate Series of Representations of Conformal Group (in Russian), Kiev
I.I. Kachurik: Boosting Matrix Elements for the Most Degenerate Representations of SO(1,4) Group, (in Russian), Kiev
C. Duval, H.H. Fliche, A Conformal Invariant Model of Localized Spinning Test Particles, CNRS, Marseille
S. Okubo, Casimir Invariants and Vector Operators in Simple Lie Algebra, University of Rochester, New York
J. Bricmont, J.R. Fontaine, L.J. Landau, On the Uniqueness of the Equilibrium State in Phase Rotations, Louvain la Neuve, Belgium
S. Ali, E. Prugovecki, Classical and Quantum Statistical Mechanics in a Common Liouville Space, Toronto, Canada
J. Ginibre, G. Velo, On a Class of Nonlinear Schrödinger Equations I, The Cauchy Problem, General Case
On a Class of Nonlinear Schrödinger Equations II, Scattering Theory, General Case, Orsay
J.D. Becker, L. Castell, Photon Condensation in an Einstein Universe, Max Planck Institut, Starnberg
A.L. Carey, J.M. Gaffney, C.A. Hurst, A $C^*$-Algebra Formulation of the Quantization of the Electromagnetic Field, Adelaide
A.L. Carey, C.A. Hurst, The Fermi Method of Quantizing the Electromagnetic Field as a Model for Quantum Field Theory, Adelaide
M. Zanetti, C. Di Castro, Nonlinear Solutions of the Renormalization Group Equations in the Large $n$-Limit, Salerno, Italy

Books
R. Dirl, P. Kassemkowitz, Gruppentheorie: Anwendungen in der Atom- und Festkörperphysik, Vieweg, Braunschweig 1977, DM 56,-, 8S. 430,

Conference
Conference on Differential Geometrical Methods in Mathematical Physics, July 13 - 16, 1977, Bonn
Further Information: Prof. K. Bleuler, Institut für Theoretische Kernphysik, Nussallee 14-16, D-5300 Bonn, W-Germany.
Editorial Note

1. The statutes have been formulated and are now under discussion by the members of the governing board.
2. The editor of Communications in Mathematical Physics can only grant 50% reduction if more members of AMP subscribe for it.
3. MathSciPress (President: R. Herrmann), 53 Jordan Road, Brookline, MA. 02146 (USA) offers 40% discount for AMP members for the following books:


Preprints

H. Focke: Stability of Deficiency Index, Osnabrück
H. Behncke, H. Focke: Stability of Deficiency Indices II, Osnabrück
J. Lukierski: Renormalization Group and Scale Transformations for Renormalized Field Operators, ZfF, Bielefeld
M.E. Mayer: Gauge Field Vacua and Their Characteristic Classes, University of California, Irvine
Lie Theory and the Wave Equation in Space Time 5: R-Separable Solutions of the Wave Equation
\( \psi_{tt} - \Delta \psi = 0 \), University of Waikato, Hamilton, New Zealand
A. Voros: Asymptotic Expansions of Stationary Quantum States, CENS, Gif sur Yvette
H. Araki, A. Kishimoto: On Clustering Property
Symmetry and Equilibrium States, Kyoto University
P. Romain: Statistical Thermodynamics of UR-Systems, MPI, Starnberg, BRD
G.C. Hegerfeld, C.R. Ng: Magnetic Properties in Lattice Systems, ZfF, Bielefeld
S.L. Woronowizc: A Remark on the Polar Decomposition of m-sectorial Operators, ZfF, Bielefeld
O. Bratteli, R.H. Herman, D.W. Robinson: Perturbations of Flows on Banach Spaces and Operator Algebras ZfF, Bielefeld
W. Driessenn: On the Type of Local Algebras in Quantum Field Theory, ZfF, Bielefeld
L. Sagrari, P. Szeplaklys: Dynamical Critical Properties of a Stochastic n-Vector Model, Budapest
P. Szeplaklys: Dynamical Critical Phenomena and the Renormalization Group - Application to a Lattice Dynamic Model, Central Research Institute for Physics, Budapest
J.P. Eckmann: Remarks on the Classical Limit of Quantum Field Theories, Geneva
J. Yngvason: Remarks on the Reconstruction Theorem for Field Theories with Indefinite Metric, Göttingen
R. Arens: Corrected Sommerfeld-Wilson Rule in Geometric Quantization, Lifting Group Actions to the Cotangent Bundle, Univ. of Califomia, Los Angeles
A. Uhlmann: Relative Entropy and the Wigner-Yanase-Dyson-Lieb Concauity in an Interpolation Theory, Karl-Marx-University, Leipzig
J.M. Luttinger: A New Variational Method with Applications to Disordered Systems, Rockefeller Univ. The Diamagnetism of a Single Disordered System
S. Albeverio, R. Høegh-Krohn, L. Streit: Energy Forms, Hamiltonians and Distorted Brownian Paths, ZIF, Bielefeld
S. Albeverio, R. Høegh-Krohn: Hunt Processes and Analytic Potential Theory on Rigged Hilbert Spaces, ZIF, Bielefeld
J. Jegerlehner: On the Construction of Renormalized Field Theories from Cut-Off and Lattice Models, ZIF, Bielefeld
I.W. Herbst: Unitary Equivalence of Stark Hamiltonians, Princeton University
F. Mancini, M. Marinari, M. Zannetti: Boson Method in Superconductivity, Study of Systems Containing Scalar Impurities, Universita di Salerno
F. Mancini, M. Marinari: The Boson Characteristic Function in the Case of Non-Pure Superconductors, Universita di Salerno
C. De Concini, G. Vitiello: Spontaneous Breakdown of Symmetry and Group Contractions, Univ. di Salerno
R.S. Ingarden: Information Theory and Thermodynamics, Part II: Thermodynamics: § 13 General and Dynamical Systems, Automata, Tomun, Poland
D.A. Dubin, M. Keynes: Thermal States of the Vector Meson Model in Two Dimensions, Open University England
T. Hida, L. Streit: On Quantum Theory in Terms of White Noise, ZIF, Bielefeld
T. Hida: Functionalons of Brownian Motion I, ZIF, Bielefeld
M. Cwikiel: Weak Type Estimates for Singular Values and the Number of Bound States of Schrödinger Operators, Institute for Advanced Study, Princeton
K.D. Rothe, J.A. Swieca: Gauge Transformations and Vacuum Structure in the Schwinger Model, PUC, Rio de Janeiro
T. Eguchi, P.G.O. Freund: Quantum Gravity and World Topology, Enrico Fermi Institute, Chicago
R.N. Hill: Proof that the H\(^+\) ion has only One Bound State, Univ. of Delaware, Newark, Delaware
R.F. Streater: Markovian Representations of Current Algebras, ZIF, Bielefeld
Ph. Blanchard, J. Tarski: Renormalizable Interactions in Two Dimensions and Sharp Time Fields, ZIF, Bielefeld
F. Jegerlehner: Renormalization Groups, ZIF, Bielefeld
G. Casati, J. Guarnieri, F. Valz-Gris: Statistical Properties of a One-Dimensional Radiant Cavity, Milano
D.G. Babbitt, L.E. Thomas: An Explicit Plancherel Theorem for the Ground State Representation of the Heisenberg Chain, Univ. of California, Los Angeles
T. Aasbjerg: On the Description of Classical Einstein Relativistic Two Particle Systems, Geneva
M. Blažek: Generalized Distributions for Multiparticle Productions, Bratislava, CSSR
C.A. Aragao de Carvalho: A Callan-Symanzik Study of the \(\lambda\phi^4 + g\phi^6\) Theory, PUC, Rio de Janeiro
W.D. Garber, H. Reeh: Non Translationally Covariant Currents and Associated Symmetry Generators, Göttingen
H. Grosse: On the Absence of Bound States for Three Body Systems, Wien

Books

Conferences and Schools
November 5, 1976
Statistical Mechanics Conference, Open University, Walton Hall, Milton Keynes, Bucks.
Further information: Prof. O. Penrose
November 25 - 27, 1976
Rencontre entre Physiciens Théoriciens et Mathématiciens, Strasbourg
Further information: Prof. R. Gerard, 7, rue Rene Descartes, F-67084 Strasbourg
July 18 - 22, 1977
VI. International Colloquium on Group Theoretical Methods in Physics
Further information: Prof. P. Kramer, Institut für Theoretische Physik, Universität Tübingen, Auf der Morgenstelle 14, D-7400 Tübingen
August 24 - 30, 1977
Statistical Physics, Technion-Israel Institute of Technology, Haifa, Israel
Further information: Statphys 13, Physics Department, Technion ...
September 11 - 21, 1977
Operator Algebras, Ideals and Their Applications in Theoretical Physics, Leipzig, DDR