Progress Report

1. Elsevier North Holland Publishing Co.,Inc. has become a member of IAM.

2. Starting with this issue, the IAMP News Bulletin will be prepared in Bielefeld under the direction of L. Streit. E. Lieb is the editor. Items to be announced in the News Bulletin will still be sent to G. Anderson and D. Robinson as before, but the simplest and fastest course is to send it to Bielefeld as follows: Mrs. Rosemarie Pludra, c/o Prof. L. Streit, Fakultät für Physik, Universität Bielefeld, Universitätsstraße, D-4800 Bielefeld 1, Federal Republic of Germany.

3. From now on all correspondence on membership and dues matters will be handled jointly by W. Hunziker and K. Osterwalder. All communications on these matters (including application for membership, address change, etc.) should henceforth be sent to Prof. W. Hunziker, Theoretische Physik, E.T.H.-Hoenggerberg, CH-8093 Zürich, Switzerland. Payment of dues (US $10 or SFr 20 or equivalent) should be made to the national collection centers as before. Please, make sure that no currency conversion charges arise at the expense of IAMP: If necessary, please add an appropriate amount to your payment.

Elliott Lieb

Payment Procedure

It is recommended to pay your dues at a time for saving of handling costs. Dues can be paid in different currencies as follows:

1. Swiss Francs.
   - Send money to the following account:
     Crédit Suisse, Geneva
     No. 0251.238.577
   - The amount for one-year dues is 20 Swiss Francs.

   - Write a check payable to IAM and sent it to
     Mrs. Grace Anderson
     c/o Prof. A. S. Wightman
     Jadwin Hall
     Post Office Box 708
     Princeton University
     Princeton, N.J. 08544
     USA.

3. German Marks.
   - Amount of Annual Dues = DM 24--
   - Method of Payment: Make your payment in German marks directly to the account
     No. 9400144
     Sparkasse Bielefeld
     4800 Bielefeld 1, FRG
     of the International Association for Mathematical Physics
   - Important: Be sure that your payment includes the following information:
     "IAMP dues of (name).................. (membership no.)...... for 19...... 19......"

4. French Francs.
   - This is applicable if you are staying in France or have an account in France.
   - Amount of Annual Dues = 60,00 Ffr
   - Account number = Paul Belgodère, compte chèques postaux
     PARIS 3819 32 Z
     (This is an account of Paul Belgodère, who uses this account also for other Societies.)
   - Methods of payment: Use "chèque postal", "Chèque bancaire" or "mandat-livre de versement" to send money to
     Monsieur Paul Belgodère
     Institut Henri Poincaré
     11 rue Pierre et Marie Curie
     75231 PARIS Cedex 05
   - To show who has paid dues for what period, please fill in the format the top of next sheet and send it together with your payment to Mr. Belgodère.
   - Important Remarks:
     1. Do not forget to fill in the form and send it together with your payment.
     2. Deadline is December 31, 1982. At the beginning of January, Mr. Belgodère will send all the dues to our Treasurer Osterwalder.

   - This is applicable if you are staying in Japan or if you have an account in Japan. The account of IAM is
     Dai-ichi Kangu Bank, Shibuya Branch
     No. 162-1205865 (Shigetoshi Kuroda)
   - The amount for one-year dues is Yen 2,500.

6. Polish Zloty.
   - The account of IAM is
     No. 2857,1424
     Bank Handlowy w Warszawie S.A.
     ul. Chalubinskiego 8
     00-950 WARSZAWA (Poland)
   - The amount for one-year dues is 300 Zl.
Information regarding the research year can be had from L. Streit at the Center for Interdisciplinary Research Bielefeld

**BOOKS**

I. Kay and N.E. Moses

Inverse Scattering Papers: 1955-1963

Math Sci Press (53 Jordan Road, Brookline, MA 02146) 1982, 530

**PREPRINTS**

G. Beneke and C. Chandler (Dept. of Phys. and Astro, U. of New Mexico, Albuquerque, NM 87131 USA) and A.G. Gibson (Dept. of Math and Stat., U. of New Mexico, Albuquerque, NM 87131 USA)

MULTIPARTICLE SCATTERING THEORY AND THE METHOD OF COUPLED REACTION CHANNELS

K. Gustafson and R. Hartman (Dept. of Math., U. of Colorado, Boulder, CO 80309 USA)


K.E. Gustafson and B.E. Eton (Dept. of Math /Dept. of Chem. Eng., U. of Colorado Boulder, CO 80309 USA)

EXACT SOLUTIONS AND IGNITION PARAMETERS IN THE ARRHENIUS CONDUCTION THEORY OF GASEOUS THERMAL EXPLOSION, to appear ZAMP

K. Gustafson and H. Seddighin (Dept. of Math. U. of Colorado, Boulder, CO 80309 USA)

NONPERTURBING ALGEBRAS

L.P. Horwitz and Y. Konishi (Dept. of Physics, Syracuse University, Syracuse NY 13210 USA, and ETH Zurich)

SCATTERING IN CONSTRAINT RELATIVISTIC QUANTUM DYNAMICS

T. Kawak (Dept. of Physics, Osaka City University, Osaka 558 Japan)

A FIVE DIMENSIONAL UNIFICATION OF THE VIERBINS AND ELECTROMAGNETIC FIELDS II - GEOMETRIC STRUCTURE WITH REGARD TO AFFINE CONNECTION OF THE BUNDLE SPACE

H. Leinfelder (Dept. of Math, Princeton University, Princeton, N.J. 08544 USA)

GAUGE INVARIANCE OF SCHRODINGER OPERATORS AND RELATED SPECTRAL PROPERTIES

R.C. Newton (Dept. of Physics, Indiana U., Bloomington, IN 47405 USA)

BOUND ON THE NUMBER OF BOUND STATES FOR THE SCHRODINGER EQUATION IN ONE AND TWO DIMENSIONS

and

ON A GENERALIZED HILBERT PROBLEM

J. Pataki and R.T. Sharp (Centre de Recherche de Math Appl., U. of Montreal, Case Postale 6126, Montreal, Quebec, Canada H3C 3J7)

SIGNATURES OF ALL FINITE REPRESENTATIONS OF SU(p,q), p + q ≤ 4

M.B. Ruskal (Dept. of Math, U. of Lowell, Lowell, MA 01454 USA)

ABSENCE OF DISCRETE SPECTRUM IN HIGHLY NEGATIVE IONS II. EXTENSIONS TO FERMIONS, to appear in CMP

To make your work available to this group, please, send your recent and upcoming (p) reprints to

Librarian

Zentrum für Interdisziplinäre Forschung (ZIF)

Wellenberg 1

D-4800 Bielefeld 1
F.E. Schroeck (Dept. of Math., Florida Atlantic U., Boca Raton, FL 33431 USA)
ON THE STOCHASTIC MEASUREMENT OF INCOMPATIBLE SPIN COMPONENTS

B. Simon (Dept. of Math. and Phys., Calif. Inst. of Technology, Pasadena CA 91125 USA) CONTINUITY OF THE DENSITY OF STATES IN MAGNETIC FIELD
and

A.I. Solomon (Fac. of Math. and Phys., The Open Univ., Milton Keynes, UK)
and
J.L. Birmann (Dept. of Phys., City Coll., CUNY, N.Y., NY 10031 USA)
DYNAMICAL GROUP MODEL IN THE CDW STATE
and
DYNAMICAL GROUP 50(6) AND COEXISTENCE: SUPERCONDUCTIVITY AND CHARGE DENSITY WAVES

A. Truman (Dept. of Math., Heriot-Watt U., Riccarton, Edinburgh EH14 4AS,
Scotland) with I. Davies, ON THE LAPLACE EXPANSION OF CONDITIONAL WIENER INTEGRALS AND THE BENDER-WU FORMULA FOR X^2_0+ANHARMONIC OSCILLATORS
and
LAPLACE EXPANSIONS OF CONDITIONAL WIENER INTEGRALS AND APPLICATIONS
TO QUANTUM PHYSICS
with D. Elworthy
A CAMERON-MARTIN FORMULA FOR FEYNMAN INTEGRALS
and
THE DIFFUSION EQUATION AND CLASSICAL MECHANICS: AN ELEMENTARY FORMULA

H. Wardall (Dept. of Phys., U. of California, Berkeley, CA 94720 USA)
IMPLEMENTATION OF AUTOMORPHISM GROUPS IN CERTAIN REPRESENTATIONS
OF THE CANONICAL COMMUTATION RELATIONS, submitted to CMP

R. Benguria and M.C. Depassier (Depto. Fisica, Univ. de Chile, Casilla 5477,
Santiago, Chile)
UPPER AND LOWER BOUNDS FOR EIGENVALUES OF NON-LINEAR ELLIPTIC
EQUATIONS: I. THE LOWEST EIGENVALUE (April 1982)

G.A. Raggio (Lab. für Physik. Chemie, ETH-Z, CH-8092 Zuerich, Switzerland)
REMARKS ON STATISTICAL INFERENCE IN QUANTUM THEORY

S. Albeverio, Mathematisches Institut, Ruhr-Universität Bochum, D-44630 Bochum 1, FRG
R. Høgh-Krohn, Matematisk Institutt, Universitet i Oslo, Blindern-Oslo 2, Norge
L. Streit, Fakultät für Physik, Universität Bielefeld, D-4800 Bielefeld 1, FRG
CHARGED PARTICLES WITH SHORT RANGE INTERACTIONS

L. D'Onofrantaigh
S. Rouhani
L.P. Singh

Gérard Clément

Lyazid Chetouani and
Gérard Clément

Norbert K. Falck and
Allen C. Hirshfeld

Norbert K. Falck and
Allen C. Hirshfeld

Jürgen Potthoff

Allan I. Solomon
and
Joseph L. Birmann

D.P.L. Castrigiano

Dublin Institute for Advanced Studies,
Dublin 4, Ireland
*Permanent Address: Physics Dept., Indian Institute of Technology,
Bhubaneswar - 751004, India
ON THE FINITELY SEPARATED TWO MONOPOLE SOLUTIONS

Groupe de Physique Théorique
Institut des Sciences Exactes
Université de Constantine
Constantine, Algeria

SCATTERING OF KLEIN-GORDON AND MAXWELL WAVES
BY AN ELLIS GEOMETRY

Physique théorique
Institut des Sciences Exactes
Université de Constantine
Constantine, Algeria

GEOMETRICAL OPTICS IN THE ELLIS GEOMETRY

Institut für Physik Universität Dortmund
D-4500 Dortmund 50
DIRAC-BRACKET QUANTIZATION OF A CONSTRAINED NONLINEAR SYSTEM: THE RIGID ROTATOR

Institut für Physik Universität Dortmund
D-4500 Dortmund 50
THE QCD HAMILTONIAN AND NONLINEAR QUANTUM MECHANICS

Fakultät für Physik Universität Bielefeld
D-4800 Bielefeld 1
STOCHASTIC PATH-ORDERED EXPONENTIALS

Faculty of Mathematics, The Open University,
Milton Keynes, UK

Department of Physics, City College, CUNY,
New York, NY 10031 USA

DYNAMICAL GROUP MODEL OF THE CDW STATE

Institut für Mathematik der Techn. Univ.München Zentrum
D-8000 München 2, Theresienstr. 37
A COVARIANT DESCRIPTION OF PARTICLE POSITION
Joseph L. Birman
Department of Physics, City College, CUNY
New York, NY 10031 USA

Allan I. Solomon
Faculty of Mathematics, THE OPEN UNIVERSITY,
 Milton Keynes, UK

Dublin Institute for Advanced Studies, Dublin 4, Ireland

Dynamical Group SO(5) and Coexistence:
Superconductivity and Charge Density Waves

Tu Gui-zhang
Dipartimento di Fisica, Università degli studi di Lecce, Italia
Istituto Nazionale di Fisica Nucleare, Sezione di Bari
Permanent Address: Computing Center of Chinese Academy of Sciences Beijing, China

On Infinitesimal Backlund Transformations and Generalized Symmetries of the Nonlinear O-model

M. Botti and
Tu Gui-zhang*
Dipartimento di Fisica dell'Università, Lecce, Italia
Istituto Nazionale di Fisica Nucleare, Sezione di Bari, Italia
*Permanent Address: Computing Center of Chinese Academy of Sciences Beijing, China

Backlund Transformations via Gauge Transformations

H. Neumann
Fachbereich Physik, Univ. Marburg, D-3550 Marburg

R. Werner
Fachbereich Physik, Univ. Osnabrück, D-4500 Osnabrück

Causality between Preparation and Registration Processes in Relativistic Quantum Theory

Gerhard Schäfer
Fakultät für Physik der Universität Konstanz
Postfach 5560, D-7750 Konstanz

Radiation Reaction and Energy Loss for Gravitationally Bound Systems

W.R. Schneider
Brown Boveri Research Center
CH-5405 Baden, Switzerland

Existence and Uniqueness for Random One-Dimensional Lattice Systems

K. Veselić
Fachbereich Mathematik, Fernuniversität Hagen,
Postfach 940, D-5800 Hagen

On the Non-Relativistic Limit of the Bound States of the Klein-Gordon Equation

Zbigniew Oziewicz
Institute of Theoretical Physics
University of Wroclaw
50-205, Wroclaw Cybulskiego 36 Poland

ON SANTILLI'S LIE-ADMISSIBLE TREATMENT OF NON-LOCAL AND NON-POTENTIAL INTERACTIONS

D. Mayer
and
R. Roepstorff

Institut für Theoretische Physik - Lehrstuhl E
RWTH Aachen, D-5100 Aachen

Strange Attractors and Asymptotic Measures of Discrete-Time Dissipative Systems

M. Botti
and
R. Pompinelli

Laboratoire de Physique Mathématique
Université des Sciences et Techniques du Languedoc Montpellier, France 34060

*Permanent Address: Istituto di Fisica, Università di Lecce, 73100 Lecce, Italy

The Spectral Transform for the NLS Equation with Left-Right Asymmetric Boundary Conditions

Konrad Schnüdgen

Ernst-Moritz-Arndt-Universität, Sektor Mathematik DDR-1200 Greifswald, Ludwig-Jahn-Str. 15a, und Naturwissenschaftlich-Theoretisches Zentrum der Karl-Marx-Universität

Ober Darstellungen der Kanonischen Vertauschung Relation PQ-QP = -I

M.A.H. MacCallum

A. Moussaux, P. Tombal

J. Demaret

Department of Applied Mathematics Queen Mary College London, G.B.

Département de Physique Facultés Universitaires Namur, Belgium

Institut d'Astrophysique Université de Liège Gointe-Degue, Belgium

On the General Solution for "Diagonal" Vacuum Bianchi Type Iii Model with a Cosmological Constant

A. Moussaux
P. Tombal
J. Demaret

Département de Physique Facultés Universitaires Namur, Belgium

Algebraic Programming of Hamiltonian Formalism in General Relativity: Application to Inhomogeneous Space-Times.
Progress Report

(A) At the IAMP Executive Committee meeting on September 24, 1982 the following was decided:

1. A 3 year cycle (instead of 2 as heretofore) is adopted for sponsorship by IAMP of future international conferences on mathematical physics. Therefore the next date for the next meeting is the summer 1986. Applications to organize such a conference are hereby solicited.

2. IAMP will sponsor the Third International Mathematical Physics Workshop and NUPP Summer School in Adelaide, February 9-19, 1983, and has made a contribution of $500 for partial support of participation by scientists from S.E. Asia (outside Australia).

3. IAMP will contribute $2000 to the expenses of the 1983 International Conference on Mathematical Physics in Boulder, August 2-10, 1983. (See below for an announcement of this conference by W. Wyss.)

4. At the end of 1983, membership will be terminated of members who have failed to pay 1982 dues.

5. IAMP is authorized to become an Affiliated Society of the American Institute of Physics. (J.R. Klauder's help in this matter is gratefully acknowledged.)

This affiliation has been accomplished. It is an official recognition that the AIP governing board wishes to encourage and assist, in whatever way possible, the activities of IAMP. AIP facilities are available at cost to IAMP, which has no financial or other responsibility to AIP other than to provide a list of officers, etc. (which is information that is openly published anyway).

One of the main effects of this affiliation for IAMP members is that all AIP publications can be purchased directly by IAMP members at AIP members' rates. For example, Journal of Mathematical Physics 1983 members' rates are $50 (USA), $62 (foreign - surface mail), $71 (Europe - air mail). These figures compare with non-members rates of $300, $312, $321, $337. To obtain these subscriptions, IAMP members should write to the AIP Subscriptions Fulfillment Division, American Institute of Physics, 335 E. 45th Street, New York, NY 10017, USA, identifying themselves as members of IAMP which is an AIP Affiliated Society. AIP trusts, of course, that such subscriptions will not replace an already existing non-member subscription.


1. Central Account in Geneva (SFr.)

Income
- Carried forward from 1980
  3,608.43
- Dues received 1981
  1,884.30
Total
  5,492.73

Expenditure
- Balance : SFr. 5,492.73

2. Princeton Account (US $)

Income
- Carried forward from 1980
  2,623.29
- Dues received 1981
  1,660.22
  4,283.51
Interest
  158.84
Total
  3,432.33

Expenditure
- Printing and mailing costs
  478.46
- Bank charges
  10.45
Total
  488.91

Balance : $ 3,453.22

Holdings

Nassau Savings and Loan
Association, Account No. 17589
Merrill Lynch Pierce Fenner & Smith, Ready Assets Account
No. 8340080
Total
  $3,000.00

$3,453.22

3. Bielefeld Account (DM)

Income
Carried forward from 1980 5,170.69
Dues received 1981 2,028.47
Total 7,199.16

Expenditure
Support of Berlin Conference 4,000.00

Balance: DM 3,199.16

4) a) Kyoto Account (¥)

Income
Carried forward from 1980 177,773
Dues received 1981 57,200
Interest 6,205
Total 241,182

Expenditure
Printing and mailing 44,990
Bank fee 400
Petty cash 4,500
Total 49,890

Balance: ¥ 191,292. (Transferred to Tokyo Account.)

b) Tokyo Account (¥)

Income
Dues received 1981 4,400

Expenditure

Balance: ¥ 4,400.

5) Warszawa Account (zl.)

Income
Carried forward from 1980 2,100.00
Dues received until Sept. 29, 1981 6,000.00
Total 8,100.00

Expenditure

Balance: 21. 8,100.00

K. Ostendorfer, Treasurer

Conferences:

"TROISIÈME RENCONTRE DE PHYSIQUE STATISTIQUE"
D. De Dominicis, PHYSIQUE THEORIQUE, C.E.N. Saclay; J. Fröhlich, PHYSIQUE THEORIQUE, Zürich;
J. P. Hansen, THEORIE DES LIQUIDES, UNIVERSITE DE JUSSEI; B. Souillard, PHYSIQUE THEORIQUE,
ECOLE POLYTECHNIQUE, G. Toulemonde, PHYSIQUE DE SOLIDE. ECOLE NORMALE SUPERIEURE are organizing a two-day conference with the above title on Thursday, July 27, 1983, and Friday, July 28, 1983, at the ECOLE SUPERIEURE DE PHYSIQUE ET CHIMIE DE PARIS, 10 rue Vauquelin, Paris 6ème, bâtiment N, dernier étage.
Main speakers will include:

B. Halperin
(MIT, U.S.A., Saclay)

C. Itzykson
(Saclay)

P. Kasteleyn
(Lelystad)

R. Widom
(Cornell, E.S.G.C.S)

For further information, please contact Mme. Francine Le Pèdre, Service de Physique Théorique, C.E.N., Saclay F-91191 GIF-SUR-YVETTE Cedex (France).

3rd International Mathematical Physics Workshop and NUPP Summer School, Adelaide, South Australia, 9 - 19th February, 1983. Further Information from
C. A. Hurst
Mathematical Physics Department
University of Adelaide
Adelaide, South Australia 5001

SECOND WORKSHOP ON NONLINEAR EVOLUTION EQUATIONS AND DYNAMICAL SYSTEMS (Chania, Crete, August 13 - 28, 1983). It is planned to organize, in the summer 1983, another International Workshop analogous to that held in the summer 1980 and described in Physica 20 (1981) 545-548. In view of the success of that exercise, it is planned to follow essentially the same format, as regards the scientific scope and procedure, the organizational structure and the venue. Thus the Workshop will be held at the Orthodox Academy of Crete near Chania on the island of Crete and an all inclusive flat rate will be charged to all participants from countries with convertible currencies ($ 600 per participant, $ 450 per accompanying adult; up to possible adjustments due to inflation). The Workshop is tentatively scheduled for August 13 - 28, 1983. Anybody who thinks of participating is welcome to write either to
F. Calogero
Dipartimento di Fisica
Università di Roma I
piazza Aldo Moro 2
00185 Roma

or to
A. Vaganelakis
Nuclear Research Center
"Demokritos"
Aghia Paraskevi, Attikis
Athens, Greece

(with copies to the other, please). We plan to send around a number of personal invitations and subsequently to issue an open call for applications to fill the remaining vacancies, if any.)
A symposium entitled "Chemical Applications of Topology and Graph Theory" will be held at the Georgia Center for Continuing Education on the campus of the University of Georgia, Athens, Georgia U. S. A., during the period April 18-22, 1983. This symposium will focus particularly on the use of topological models for problems in chemical bonding and dynamics. The following persons have accepted invitations to give hour talks at this symposium:

- R. F. W. Bader, McMaster University (Canada)
- B. L. Clarke, University of Alberta (Canada)
- J. Dugundji, University of Southern California
- F. Harary, University of Michigan
- W. C. Herndon, University of Texas at El Paso
- R. E. King, University of Georgia
- D. J. Klein, Texas A & M University at Galveston
- R. E. Merrifield, du Pont
- H. G. Othmer, University of Utah
- H. Randic, Drake University
- D. H. Rouvray, Diebold Europe
- O. E. Roest, University of Tübingen (West Germany)
- O. Sinanoglu, Yale University
- R. Thomas, Université Libre de Bruxelles (Belgium)
- W. T. Tutte, University of Waterloo (Canada)

Further information and application materials for participation in the above symposium can be obtained from:

Prof. W. E. King
Department of Chemistry
University of Georgia
Athens, Georgia 30602 U. S. A.

The deadline for applications to participate in the symposium is January 17, 1983.
PROJECT No.2

Title, Topics:

Under the title "The Problem of Infinitely Many Degrees of Freedom in Mathematics and Physics" the Centre for Interdisciplinary Research (ZIF) of Bielefeld University will host a group of Mathematicians and Physicists in residence to work in problem related fields of Mathematics and Physics such as:

- Operator algebra, stochastic equations and fields, functional integrals,
- pseudodifferential and Fourier integral operators, algebraic geometry, global analysis; statistical mechanics, hydrodynamics, quantum theory, Feynman integrals, elementary particle models, gauge theories, nuclear physics, classical fields, critical phenomena etc.

Project Period:

SEPT. 1983 - AUG. 1984

Participants:

S. Albeverio (Bochum), H. Araki (Kyoto), E. Balislev (Aarhus), D. Buchholz (Hamburg), J. Capitant (Blooming), B. Del'Antonio (Roma), G. De Witt (Austin), J. P. Dias (Lisbon), M. Donsker (New York), S. Doplicher (Roma), E. Dynkin (Ithaca), J. P. Eckmann (Geneva), G. Enn (Rochester), H. Ezawa (Tokyo), J. Fröhlich (Karlsruhe), J. Fröhlich (Paris/Zuerich), G. Gawedzki (Paris), P. R. G. Garv (Geneva), G. Gubbinu (Roma), R. Haag (Hamburg), T. Hida (Tokyo), R. Hoehn-Krohn (Marseille), O. Alto (Oslo), S. Itto (London), M. Jimbo (Kyoto), G. John-Lasino (Roma), R. Kadison (Philadelphia), D. Kastler (Marseille), J. Klauder (Harrington Hill), S. Kusoku (Tokyo), C. Lang (Graz), M. Makhovec (Marseille), H. Miao (Kyoto), Y. M. Park (Seoul), H. Reed (Durham), H. Rose (Munichberg), R. Rupp (Nijmegen), E. Seller (Munich), M. Sirigue-Collin (Marseille), M. Sirigue (Marseille), F. Strocchi (Pisa), J. A. Van Utrecht (Utrecht), L. Todorov (Sophia), R. Vilela Mendes (Lisbon), J. Westerwe (Seattle).

Initial Symposium:

SEPT. 5-10, 1983

To make your work available to this group, please send your recent and upcoming [P]reprints to:

Preparatory Committee:
Sergio Albeverio, Bochum
Philippe Blanchard, Bielefeld
Gustav Sommer, Bielefeld
Othmar Steinmann, Bielefeld
L. Streit, Bielefeld (Chairmen)

An International Summer School will be organized in Romania:
Title: Theoretical aspects of critical phenomena
period: September 1 - 13, 1983, Romania, Polana Brasov
Organizers: Romanian Academy of Sciences, Central Institute of Physics
Director: Valentin Ceausescu
Address of Organizing Committee:
Dr. Valentin Ceausescu
Central Institute of Physics
P.D. Boy, ng 6
Bucharest
Romania

PREPRINTS

E. Abdulla, Instituto de Fisica, Universidade de São Paulo, BR-05008 São Paulo, S.P., Brazil
M. Gomes, Inst. de Fis., Univ. de São Paulo, BR-05008 São Paulo, S.P., Brazil
ON THE ORIGIN OF ANOMALIES IN THE QUANTUM NONLOCAL CHARGE FOR THE GENERALIZED NONLINEAR SIGMA MODELS

S. Albeverio, Mathematisches Institut Ruhr-Univ. Bochum, D-4478 Bochum, FRG
P. D. Blancard, Fak. für Physik, Univ. Bielefeld, D-4800 Bielefeld 1, FRG
R. Hoehn-Krohn, Univ. de Provence Centre de Phys. Theor. CNRS, F-13288 Marseille, France
A STOCHASTIC MODEL FOR THE ORBITS OF PLANETS AND SATELLITES: AN INTERPRETATION OF TITUS-BODE LAW

S. Albeverio, Mathematisches Institut Ruhr-Univ. Bochum, D-4478 Bochum, FRG
D. Boile, Institut de Théorie Physique, Université de Louvain, Belgium
F. Gesztesy, Institut für Theoretische Physik, Universität Graz, A-8010 Graz, Austria
R. Hoehn-Krohn, Univ. de Provence, CEA-CNRS Marseille, F-13288 Marseille, France
L. Streit, Fakultät für Physik, Univ. Bielefeld, D-4800 Bielefeld 1, FRG
LOW-ENERGY PARAMETERS IN NONRELATIVISTIC SCATTERING THEORY

L. Abellanas, Departamento de Metodología de la Física, Univ. Compl. de Madrid
A. Galindo, Departamento de Física Teórica, Facultad de Ciencias Físicas, Universidad Complutense de Madrid, Spain
ON THE STRUCTURE OF EXCEPTIONAL EVOLUTION POLYNOMIALS

L. Abellanas, A. Galindo (address see above)
EVOLUTIONS EQUATIONS WITH HIGH ORDER CONSERVATION LAMAS

J. P. Antoine, Institut de Physique Théorique, Université Catholique de Louvain
B-1348 Louvain-la-Neuve, Belgium
G. Lassner, Sektion Mathematik, Karl-Marx-Universität, DDR-7010 Leipzig, GDR
PARTIAL INNER PRODUCT STRUCTURES ON CERTAIN TOPOLOGICAL VECTOR LATTICES

R. Arhansky, L. P. Horwitz, and Y. Lavie
Department of Physics and Astronomy, Tel Aviv University, Tel Aviv, Israel
PARTICLE VS. EVENTS: THE CONCENTRATED STRUCTURE OF HOLOD LINES IN RELATIVISTIC QUANTUM MECHANICS

Giles Auchmuty, Department of Mathematics, Univ. of Houston, Houston, Tex 77004, USA
QUALITY FOR NON-CORRECT VARIATIONAL PRINCIPLES (REVISED VERSION)

J. Andretich, Claus Lämmertz, Fakultät für Physik der Universität Konstanz,
Postfach 3560, D-7750 Konstanz, FRG
LOCAL AND NON-LOCAL MEASUREMENTS OF THE RIEMANN TENSOR