

Communications in Mathematical Physics

Volume 56 Number 2 1977

- W. Braun, K. Hepp The Vlasov Dynamics and Its Fluctuations in the
1/N Limit of Interacting Classical Particles 101
- J. Madore A Classification of SU_3 Magnetic Monopoles 115
- C. J. S. Clarke The Application of DeWitt-Morette Path Integrals
to General Relativity 125
- C. Gruber, A. Hintermann,
A. Messager, S. Miracle-Sole On the Uniqueness of the Invariant Equilibrium
State and Surface Tension 147
- E. P. Heifets, E. P. Osipov The Energy-Momentum Spectrum in the $P(\varphi)_2$
Quantum Field Theory 161
- S. Albeverio, R. Høegh-Krohn Dirichlet Forms and Markov Semigroups on
 C^* -Algebras 173
- V. Cantoni The Riemannian Structure on the States of
Quantum-like Systems 189

Indexed in Current Contents



Springer-Verlag
Berlin Heidelberg New York

Commun. math. Phys.

ISSN 0010-3616 CMPHAY 56 (2) 101 - 194 (1977)

11. X. 1977

Communications in Mathematical Physics

It is a fundamental condition that submitted manuscripts have not been, and will not be, simultaneously submitted elsewhere.

With the acceptance of a manuscript for publication the publisher acquires the sole copyright for all languages and countries.

Photographic reproduction, microform, or any other reproduction of text, figures, or tables from this journal is prohibited without permission obtained from the publisher.

100 offprints of each article will be supplied to the author free-of-charge and additional copies may be obtained at cost price if ordered before the issue goes to press.

Manuscripts may be sent to:

Prof. H. Araki, Research Institute for Mathematical Sciences, Kyoto University, Kyoto 606, Japan

Mathematical methods (Functional analysis, operator algebra and group theory, with direct relevance to physics)

Prof. R. Geroch, E. Fermi Institute, University of Chicago, 933 East 56 Street, Chicago, IL 60637, USA

General relativity

Prof. J. Ginibre, Laboratoire de Physique Théorique et Hautes Énergies, Université de Paris IX, Batiment 211, F-91405 Orsay, France

Quantum mechanics

Prof. J. Glimm, The Rockefeller University, 1230 York Avenue, New York, NY 10021, USA

Chief Editor

Prof. R. Haag, II. Institut für Theoretische Physik, Luruper Chaussee 149, D—2000 Hamburg 50, Federal Republic of Germany

General structure of quantum field theory and foundations of quantum mechanics

Prof. A. Jaffe, Lyman Laboratory of Physics, Harvard University, Cambridge, MA 02138, USA

Constructive quantum field theory

Prof. J. L. Lebowitz, Department of Mathematics, Rutgers University, New Brunswick, NJ 08903, USA

Nonequilibrium statistical mechanics (Time development of infinite systems, ergodic theory, transport theory, random processes, dissipative phenomena)

Prof. E. Lieb, Physics Department, Princeton University, P.O. Box 708, Princeton, NJ 08540, USA

Equilibrium statistical mechanics

Prof. J. Moser, New York University, Courant Institute of Mathematical Sciences, 251 Mercer Street, New York, NY 10012, USA

Dynamical systems (Differential equations and their application to physical systems), classical mechanics

Prof. R. Stora, Centre National de la Recherche Scientifique, Centre de Physique Théorique, 31, chemin J. Aiguier, F—13274 Marseille, Cedex 2, France

Lagrangian quantum field theory

In order to avoid delay in publication this journal appears in loose numbers which can be subsequently assembled in volumes.

Subscription Information

Volumes 52—57 (3 issues each) will appear in 1977. Information about obtaining back volumes and microform editions available upon request.

All Countries (Except North America). Subscription rate: DM 888,—, plus postage and handling. Orders can either be placed with your bookdealer or sent directly to: Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33.

North America. Subscription rate: \$ 374.30, including postage and handling. Subscriptions are entered with prepayment only. Orders should be addressed to: Springer-Verlag New York Inc., 175 Fifth Avenue, New York, NY 10010, USA.

Springer-Verlag

Journal Production Dept. I
Postfach 105 280
D-6900 Heidelberg 1
Telephone (062 21) 487-1
Telex 04-61690

Springer-Verlag

Heidelberger Platz 3
D-1000 Berlin 33
Telephone (030) 82 2001
Telex 01-83319

Springer-Verlag

New York Inc.
175 Fifth Avenue
New York, NY 10010, USA
Telephone (212) 477-8200
Telex 23-2235