

ACCA Information

Applied Mathematics and Optimization

Applied Physics

A: Solids and Surfaces

B: Photophysics and Laser Chemistry

Archiv für Elektrotechnik

Archive of Electrical Engineering

Archive for History of Exact Sciences

Archive for Rational Mechanics and Analysis

Archives of Environmental Contamination and Toxicology

Archives of Microbiology

Astronomy and Astrophysics

Bauingenieur

Zeitschrift für das gesamte Bauwesen

Behavioral Ecology and Sociobiology

Biological Cybernetics

Communication and Control in Organisms and Automata

Biophysics of Structure and Mechanism

Bulletin of Environmental Contamination and Toxicology

Carlsberg Research Communications

Chromosoma

Communications in Mathematical Physics

Contributions to Mineralogy and Petrology

Coral Reefs

Journal of the International Society for Reef Studies

Current Genetics

Eukaryotes with Emphasis on Yeasts · Fungi · Mitochondria · Plastids

Current Microbiology

Differentiation

Environmental Geology

Environmental Management

An International Journal for Decision-Makers and Scientists

European Journal of Applied Microbiology and Biotechnology

European Journal of Biochemistry

Fresenius' Zeitschrift für Analytische Chemie

Geochimica

Holz als Roh- und Werkstoff

Informatik-Spektrum

Ingenieur-Archiv

Archive of Applied Mechanics

Inventiones mathematicae

Irrigation Science

Journal of Comparative Physiology

A. Sensory, Neural, and Behavioral Physiology

B. Biochemical, Systemic, and Environmental Physiology

Journal of Geophysics/

Zeitschrift für Geophysik

Journal of Mathematical Biology

Journal of Molecular Evolution

Journal of Plant Growth Regulation

Konstruktion

Zeitschrift für Konstruktion und

Entwicklung im Maschinen-,

Apparate- und Gerätebau

manuscripta mathematica

Marine Biology

International Journal on Life in Oceans and Coastal Waters

The Mathematical Intelligencer

Mathematical Systems Theory

Mathematische Annalen

Mathematische Zeitschrift

Metrologia

International Journal of Scientific Metrology

Microbial Ecology

Mineralium Deposita

International Journal of Geology, Mineralogy, and Geochemistry of Mineral Deposits

MGG Molecular & General Genetics

Die Naturwissenschaften

Numerische Mathematik

Oceanologica et Limnologia Sinica

Oecologia

OR-Spektrum

Operations Research-Spektrum

Springer Journals keeping you in pace with science

Springer journals are known and respected internationally for keeping professionals in science and in medicine, in research and in industry well-informed about the rapid progress in their fields. Decide for yourself by sending in one of the order coupons.

To: **The Head Librarian/The Library Committee**

From: _____

Department: _____

☐ I/we have studied the Springer Journal(s)

☐ and recommend that the journal(s) be purchased for the Main/Department Library

☐ I/we would like to see the Springer Journals Catalog with information on subscriptions/back volumes/microform

☐ Please obtain sample copies on other related Springer Journal and/or latest index/sample copy including volume-index

SUBSCRIPTION ORDER FORM

SPRINGER-VERLAG BERLIN HEIDELBERG NEW YORK

Please order through your bookseller:

or Springer-Verlag, P.O. Box 105 280, D-6900 Heidelberg,

(All countries except North America)

or (North America) Springer-Verlag New York Inc.,

175 Fifth Avenue, New York, NY 10010, USA

North America subscriptions are entered with prepayment only.

☐ Please enter my/our subscription to (please give title or ISSN

Full subscription information is given on inside front or back cover page

Name: _____

Address: _____

Date/Signature: _____

☐ This is a new order

☐ This is a renewal order

Please send a sample copy of

Please send information concerning

☐ back volumes

☐ microform editions

☐ journals catalog

To: The Head Librarian/The Library Committee

Postcard - Airmail

To the bookseller

Physics and Chemistry of Minerals
Plant Cell Reports
Planta
Polar Biology
Polymer Bulletin
Public International Law
Radiation and Environmental
Biophysics
Roux's Archives of Developmental Biology
Semigroup Forum
Sicherheit in Chemie und Umwelt
Zeitschrift zum Handbuch der
gefährlichen Güter
Siemens Forschungs- und Entwicklungs-
berichte/Research and Development
Reports
Theoretica Chimica Acta
An International Journal of
Theoretical Chemistry
TAG Theoretical and Applied Genetics
International Journal of Breeding
Research and Cell Genetics
Wärme- und Stoffübertragung/
Thermo- and Fluid Dynamics
Werkstattstechnik-wt
Zeitschrift für industrielle Fertigung
Wood Science and Technology
Zeitschrift für Lärmbekämpfung
Zeitschrift für Lebensmittel-Untersuchung
und -Forschung
Zeitschrift für Physik A
Atoms and Nuclei
Zeitschrift für Physik B
Condensed Matter
Zeitschrift für Physik C
Particles and Fields
Zeitschrift für Wahrscheinlichkeitstheorie
und verwandte Gebiete
Probability Theory and Stochastics
Zentralblatt für Mathematik und ihre
Grenzgebiete/Mathematics Abstracts
Abstracts and Reviews from Zentralblatt
für Mathematic/Mathematics Abstracts:
Number Theory
Partial Differential Equations
Probability and Stochastic Processes
Geometry
Topology
Real Analysis
Numerical Analysis
Zoomorphology



Springer-Verlag
Berlin
Heidelberg
New York

Zeitschrift für Physik C **Particles and Fields**

ISSN 0170-9739

Title No. 288

Subscription Information:

1982: Volumes 11–15 (4 issues each).
Sample copy upon request.

All countries (except North America):

1982: DM 1140,-, plus postage and handling.

Send your order or request to your bookseller or directly to:

Springer-Verlag, Wissenschaftliche Information Zeitschriften, Postfach 105280,
D-6900 Heidelberg, FRG

North America:

1982: US \$ 695.00, including postage and handling. Subscriptions are entered with prepayment only. Send your order or request to your bookseller or to:
Springer-Verlag New York Inc., Journal Sales Dept., 44 Hartz Way, Secaucus,
NJ 07094, USA

Editors in Chief: G. Kramer, Hamburg; H. Satz, Bielefeld

Editors: R. Barbieri, Pisa; T. Ferbel, Rochester; K. Fujikawa, Tokyo; K. Gottfried, Ithaca; K. Kajantie, Helsinki; A. Krzywicki, Orsay; P. V. Landshoff, Cambridge; P. Söding, Hamburg; B. Stech, Heidelberg; F. Wilczek, Santa Barbara

Zeitschrift für Physik appears in three parts:

- A: Atoms and Nuclei
- B: Condensed Matter
- C: Particles and Fields

Each part may be ordered separately.



Europhysics Journal

Coordinating editor for *Zeitschrift für Physik*, Parts A, B and C: O. Haxel, Heidelberg



Springer-Verlag
Berlin
Heidelberg
New York

**ZEITSCHRIFT FÜR PHYSIK C
PARTICLES AND FIELDS**

- Experimental and theoretical particle physics
- Structure of elementary particles
- High energy processes
- Strong, electromagnetic and weak interactions
- Symmetry principles
- Unification schemes
- S-matrix theory
- Quantum field theory

Communications in **Mathematical Physics**

Chief Editor A. Jaffe, Cambridge, MA

Editorial Board H. Araki, Kyoto
 J. Glimm, New York, NY
 R. Haag, Hamburg
 O. Lanford, Berkeley, CA
 J. L. Lebowitz, New Brunswick, NJ
 E. Lieb, Princeton, NJ
 J. Moser, Zürich
 K. Osterwalder, Zürich
 B. Simon, Pasadena, CA
 Ya. G. Sinai, Moscow
 T. Spencer, New York, NY
 R. Stora, Geneva
 S.-T. Yau, Princeton, NJ

Advisory Board M. F. Atiyah, Oxford
 A. Connes, Bures-sur-Yvette
 S. Hawking, Cambridge
 G. 't Hooft, Utrecht
 I. Singer, Berkeley, CA
 C. N. Yang, Stony Brook, NY

Responsible for advertisements

Springer-Verlag
Printers
Printed in Germany

E. Lückermann, G. Sternberg, Kurfürstendamm 237, D-1000 Berlin 15
Telephone: (030) 8821031, Telex 01-85411
Berlin Heidelberg New York
Brühlsche Universitätsdruckerei, Giessen
© Springer-Verlag GmbH & Co. KG Berlin Heidelberg 1982
Das Heft enthält eine Beilage des Springer-Verlages
Berlin Heidelberg New York