Communications in Mathematica **Physics**

Volume 144 Number 2 1992

J. Spruck, Y. Yang

On Multivortices in the Electroweak Theory II: Existence of Bogomol'nyi Solutions in IR² 215

D. lagolnitzer

Causality in Local Quantum Field Theory: Some General Results 235

P. Kumlin

Analyticity of the Scattering Operator for the Nonlinear Klein - Gordon Equation with Cubic Nonlinearity 257

E. Cremmer, J.-L. Gervais

The Quantum Strip: Liouville Theory for Open Strings 279

D. W. Stroock, B. Zegarlinski

The Equivalence of the Logarithmic Sobolev Inequality and the Dobrushin - Shlosman Mixing Condition 303

A. Matsumura, K. Nishihara

Global Stability of the Rarefaction Wave of a One-Dimensional Model System for Compressible Viscous Gas 325

L. M. Sibner, R. J. Sibner

Classification of Singular Sobolev Connections by Their Holonomy 337

T. Nakanishi, A. Tsuchiya

Level-Rank Duality of WZW Models in Conformal Field Theory 351

R. Beig, W. Simon

On the Uniqueness of Static Perfect-Fluid Solutions in General Relativity 373

W. Bulla, F. Gesztesv. K. Unterkofler

Holomorphy of the Scattering Matrix with Respect to c^{-2} for Dirac Operators and an Explicit Treatment of Relativistic Corrections 391

S. L. Woronowicz

Operator Equalities Related to the Quantum E(2) Group 417

Indexed in Current Contents Evaluated and abstracted for PHYS on STN



Springer International

Acta Informatica

Archive for Mathematical Logic

Communications in Mathematical Physics

Economic Theory
Inventiones mathematicae

Journal of
Mathematical Biology
Mathematische Annalen
Mathematische Zeitschrift
Numerische Mathematik
Probability Theory
and Related Fields

Theoretica Chimica Acta Acta Informatica

Archive for Mathematical Logic

Communications in Mathematical Physics Economic Theory

Inventiones mathematicae

Journal of
Mathematical Biology
Mathematische Annalen

T_EX users do it with Springer macros

If you are used to preparing your manuscripts with plain-T_EX, you may be interested to hear that we have created a macro package for the layout of the journals listed here.

Articles may now be submitted as plain- $T_E X$ files using our macros. They will be phototypeset directly from your $T_E X$ -file, thus cutting down proofreading and publishing times.

The macros plus AMS fonts are available on 3.5" DOS diskettes and are free of charge.

Please order your copy by writing to



Springer-Verlag Journal Production Post Box 10 52 80 W-6900 Heidelberg, FRG

e-mail: Springer @dhdspri6.bitnet

An e-mail to svserv@dhdspri6 containing *help* will provide you with info on our **mailserver**.

Please do not forget to indicate the journal for which you are intending to submit your manuscript.

LATEX stylefiles are in preparation.