

Contents

Preface

W. Arveson

Non-commutative spheres and numerical quantum mechanics 1-10

B. Blackadar

Matricial and Ultramatricial Topology 11-38

C. Blanchet, N. Habegger, G. Masbaum, P. Vogel

Remarks on the Three -Manifold Invariants θ_p 39-59

O. Bratteli

The Crossed Product of The Irrational Rotation Algebra by The Flip 61-76

L.-L Chau , I. Yamanaka

Quadratic and Exchange Algebras, and Modified Yang-Baxter Relations for the Selfdual Yang-Mills System and the WZNW Model 77-86

J. Cuntz

Regular Actions of Hopf Algebras on the C^ -Algebra Generated by a Hilbert Space* 87-100

S. Doplicher

Operator Algebras, Group Actions and Abstract Duals 101-108

G.A. Elliott

A Classification of Certain Simple C^ -Algebra* 109-123

E. G. Effros, J. Kraus, Z.-Jin Ruan

On Two Quantized Tensor Products 125-145

C. Itzykson

*Geometry of Differential Equations and Projective
Representations of the Witt Algebra*147-193

V. Jones

Spin Models on the Knot Projections195-200

D. Kastler

*Towards Extracting Physical Predictions From
Alain Connes' Version of the Standard Model
(The New Grand Unification ?)*201-231

G. K. Pedersen

A Commutator Inequality233-235

C. Pinzari

*Duals of Compact Groups Realized by Semigroups of
Non-Unital Endomorphisms of C^* -Algebras*237-247

R. T. Powers

*A New Index for Continuous Semigroups of
-Endomorphisms of $B(H)$ 249-262

I.F. Putnam

Topological Order Equivalence263-269

N. Salinas

Toeplitz C^ -Algebras On Pseudoconvex Domains With
Transverse Symmetries*271-286

E. Stormer

*Normal Subgroups of of the Automorphism Group of
A Factor*287-299

H. Wenzl

Subfactors and Invariants of 3-Manifolds301-324