

Contents

Recent Developments in Algebraic K-theory, <i>Gunnar Carlsson</i>	1
K-Theory in Quantum Field Theory, <i>Daniel S. Freed</i>	41
The Mathematical Structure of the Second Law of Thermodynamics, <i>Elliott H. Lieb and Jakob Yngvason</i>	89
The Ground State of the Bose Gas, <i>Elliott H. Lieb, Jan Philip Solovej, Robert Seiringer, and Jakob Yngvason</i>	131
Elliptic curves, L-functions, and CM-points, <i>Shou-Wu Zhang</i>	179