

Contents

Introduction	vii
Lectures on Cyclotomic Hecke Algebras <i>Susumu Ariki</i>	1
An Introduction to Group Doublecross Products and Some Uses <i>Edwin Beggs</i>	23
Canonical Bases and Piecewise-linear Combinatorics <i>Roger Carter & Robert Marsh</i>	33
Integrable and Weyl Modules for Quantum Affine sl_2 <i>Vyjayanthi Chari & Andrew Pressley</i>	48
Notes on Balanced Categories and Hopf Algebras <i>Bernhard Drabant</i>	63
Lectures on the Dynamical Yang-Baxter Equations <i>Pavel Etinghof & Olivier Schiffmann</i>	89
Quantized Primitive Ideal Spaces as Quotients of Affine Algebraic Varieties <i>K. R. Goodearl</i>	130
Representations of Semisimple Lie Algebras in Positive Characteristic and Quantum Groups at Roots of Unity <i>Iain Gordon</i>	149
The Yang-Baxter Equation for Operators on Function Fields <i>Jintai Ding & Timothy J. Hodges</i>	168
Noncommutative Differential Geometry and Twisting of Quantum Groups <i>Shahn Majid</i>	175
Finite Quantum Groups and Pointed Hopf Algebras <i>Ian M. Musson</i>	191
On Some Two Parameter Quantum and Jordanian Deformations, and their Coloured Extensions <i>Deepak Parashar & Roger J. McDermott</i>	206
Tensor Categories and Braid Representations <i>Hans Wenzl</i>	216