

Contents

Part I Courses

String Diagrams and Categorification	3
Alistair Savage	

Quantum Affine Algebras and Cluster Algebras	37
David Hernandez and Bernard Leclerc	

Part II Surveys

Work of Vyjayanthi Chari	69
Jacob Greenstein and David Hernandez	

Steinberg Groups for Jordan Pairs: An Introduction with Open Problems	77
Erhard Neher	

On the Hecke-Algebraic Approach for General Linear Groups Over a p-Adic Field	115
Maxim Gurevich	

Part III Papers

Categorical Representations and Classical p-Adic Groups	147
Michela Varagnolo and Eric Vasserot	

Formulae of ι-Divided Powers in $U_q(\mathfrak{sl}_2)$, II	181
Weiqiang Wang and Collin Berman	

Longest Weyl Group Elements in Action	245
Yiqiang Li and Yan Ling	

Dual Kashiwara Functions for the $B(\infty)$ Crystal in the Bipartite Case ...	277
Anthony Joseph	

Lusztig's t-Analogue of Weight Multiplicity via Crystals	323
Cédric Lecouvey and Cristian Lenart	
Conormal Varieties on the Cominuscule Grassmannian	359
V. Lakshmibai and Rahul Singh	
Evaluation Modules for Quantum Toroidal $\mathfrak{gl}_n$ Algebras	393
Boris Feigin, Michio Jimbo, and Evgeny Mukhin	
Dynamical Quantum Determinants and Pfaffians	427
Naihuan Jing and Jian Zhang	