

Contents

Preface	v
NAIHUAN JING and KAILASH C. MISRA	
The two bosonizations of the CKP hierarchy: Overview and character identities	1
IANA I. ANGUELOVA	
Inhomogeneous supersymmetric bilinear forms	35
BOJKO BAKALOV and MCKAY SULLIVAN	
Imaginary crystal bases for $U_q(\widehat{\mathfrak{sl}(2)})$ -modules in category $\mathcal{O}_{red,im}^q$	47
BEN COX, VYACHESLAV FUTORNY, and KAILASH C. MISRA	
On the module structure of the center of hyperelliptic Krichever-Novikov algebras	61
BEN COX and MEE SEONG IM	
Classification of 5-dimensional complex nilpotent Leibniz algebras	95
ISMAIL DEMIR	
Gelfand-Tsetlin modules of $\mathfrak{sl}(3)$ in the principal block	121
VYACHESLAV FUTORNY, DIMITAR GRANTCHAROV, and LUIS ENRIQUE RAMIREZ	
Fusion rings revisited	135
JIUZU HONG	
Kostant-Lusztig A -bases of multiparameter quantum groups	149
NAIHUAN JING, KAILASH C. MISRA, and HIROYUKI YAMANE	
Catalan triangle numbers and binomial coefficients	165
KYU-HWAN LEE and SE-JIN OH	
Walk algebras, distinguished subexpressions, and point counting in Kac-Moody flag varieties	187
DINAKAR MUTHIAH and DANIEL ORR	
Critical points of master functions and mKdV hierarchy of type $A_{2n}^{(2)}$	205
ALEXANDER VARCHENKO and TYLER WOODRUFF	