

# CONTENTS

Kiyokazu NAGATOMO and Akihiro TSUCHIYA — The triplet vertex operator algebra $W(p)$ and the restricted quantum group $\tilde{U}_q(sl_2)$ at $q = e^{\pi i/p}$	1
Tomoyuki ARAKAWA — Representation theory of W-algebras, II	51
Vladimir V. BAZHANOV — Chiral Potts model and the discrete Sine-Gordon model at roots of unity	91
Tohru EGUCHI, Yuji SUGAWARA and Anne TAORMINA — Modular forms and elliptic genera for ALE spaces	125
Boris FEIGIN, Evgeny FEIGIN and Il'ya TIPUNIN — Fermionic formulas for characters of $(1, p)$ logarithmic model in $\Phi_{2,1}$ quasi-particle realisation	161
Boris FEIGIN and Edward FRENKEL — Quantization of soliton systems and Langlands duality	185
Koji HASEGAWA — Quantizing the Bäcklund transformations of Painlevé equations and the quantum discrete Painlevé VI equation	275
Gen KUROKI — Quantum groups and quantization of Weyl group symmetries of Painlevé systems	289
Wakako NAKAI and Tomoki NAKANISHI — On Frenkel–Mukhin algorithm for $q$ -character of quantum affine algebras	327
Hiraku NAKAJIMA and Kōta YOSHIOKA — Perverse coherent sheaves on blow-up. I. A quiver description	349
Kanehisa TAKASAKI — Differential Fay identities and auxiliary linear problem of integrable hierarchies	387