

CONTENTS

| | |
|--|-----|
| Floyd L. WILLIAMS — On the Dimension of Spaces of Automorphic Cohomology | 1 |
| Michio JIMBO and Tetsuji MIWA — On a Duality of Branching Rules for Affine Lie Algebras | 17 |
| Masaki KASHIWARA — The Universal Verma Module and the b -Function | 67 |
| Jiro SEKIGUCHI — Invariant Spherical Hyperfunctions on the Tangent space of a Symmetric space | 83 |
| Ryoshi HOTTA — A Local Formula for Springer's Representation | 127 |
| Toshiyuki TANISAKI — Holonomic Systems on a Flag Variety Associated to Harish-Chandra Modules and Representations of a Weyl Group | 139 |
| Teruaki ASAI — The Dimensions of the Spaces of All Class Functions Invariant under the Twisting Operators of Finite Classical Groups | 155 |
| Noriaki KAWANAKA — Generalized Gelfand-Graev Representations and Ennola Duality | 175 |
| Toshiaki SHOJI — Some Generalization of Asai's Result for Classical Groups | 207 |
| Akihiko GYOJA — The Generalized Poincaré Series of a Principal Series Representation | 231 |
| George LUSZTIG — Cells in Affine Weyl Groups | 255 |
| George LUSZTIG and Nicolas SPALTENSTEIN — On the Generalized Springer Correspondence for Classical Groups | 289 |
| Nicolas SPALTENSTEIN — On the Generalized Springer Correspondence for Exceptional Groups | 317 |
| Hiroaki TERA0 and Tamaki YANO — The Duality of the Exponents of Free Deformations Associated with Unitary Reflection Groups | 339 |
| Hiroshi UMEMURA — On the Maximal Connected Algebraic Subgroups of the Cremona Group II | 349 |
| Tatsuo KIMURA and Shin-ichi KASAI — The Orbital Decomposition of Some Prehomogeneous Vector Spaces | 437 |
| Corrado DE CONCINI and Claudio PROCESI — Complete Symmetric Varieties II | 481 |

| | |
|---|-----|
| Corrado DE CONCINI, Patrizia GIANNI and Carlo TRAVERSO — Computation of New Schubert Tables for Quadrics and Pro- jectivities | 515 |
| Tony A. SPRINGER — Some Results on Algebraic Groups with In- volutions | 525 |