

CONTENTS

Toshiyuki TANISAKI — Characteristic Varieties of Highest Weight Modules and Primitive Quotients	1
Hiroshi YAMASHITA — Multiplicity One Theorems for Generalized Gelfand-Graev Representations of Semisimple Lie Groups and Whittaker Models for the Discrete Series	31
Nolan R. WALLACH — Lie Algebra Cohomology and Holomorphic Continuation of Generalized Jacquet Integrals	123
Hidénori FUJIWARA et Shigeru YAMAGAMI — Certaines Représentations Monomiales d'un Groupe de Lie Résoluble Exponentiel	153
David A. VOGAN, Jr. — Irreducibility of Discrete Series Representations for Semisimple Symmetric Spaces	191
Tatsuo KIMURA — A Classification Theory of Prehomogeneous Vector Spaces	223
Hisaiichi MIDORIKAWA — Schur Orthogonality Relations for Non Square Integrable Representations of Real Semisimple Linear Group and Its Application	257
Michel DUFLO et Michèle VERGNE — La Formule de Plancherel des Groupes de Lie Semi-Simples Réels	289
Paul J. SALLY, Jr. — Some Remarks on Discrete Series Characters for Reductive p -adic Groups	337
Wilfried SCHMID — Geometric Constructions of Representations	349
Masaki KASHIWARA — Character, Character Cycle, Fixed Point Theorem and Group Representations	369
Hideo DOI and Kiyosato OKAMOTO — A Survey of the Generalized Geroch Conjecture	379
Michihiko HASHIZUME — Irreducible Unitary Representations of the Group of Maps with Values in a Free Product Group	395
Kyo NISHIYAMA — Algebraic Structures on Virtual Characters of a Semisimple Lie Group	417
Hisayosi MATUMOTO — Cohomological Hardy Space for $SU(2, 2)$	469
Shigeru SANO — Une Intégrale Invariante sur l'algèbre de Lie Symétrique Semi-Simple	499