

CONTENTS

Preface

| | |
|--|-----|
| Jeffrey ADAMS — Characters of non-linear groups | 1 |
| Erik BALSLEV and Alexei VENKOV — Selberg's eigenvalue conjecture and the Siegel zeros for Hecke L -series | 19 |
| Yves BENOIST — Propriétés asymptotiques des groupes linéaires (II) | 33 |
| Takahiro HAYATA, Harutaka KOSEKI and Takayuki ODA — Matrix coefficients of the principal P_J -series and the middle discrete series of $SU(2, 2)$ | 49 |
| Roger HOWE — K -type structure in the principal series of GL_3 , I | 77 |
| Toshiyuki KOBAYASHI — Discretely decomposable restrictions of unitary representations of reductive Lie groups — examples and conjectures | 99 |
| Bertram KOSTANT — On $\wedge \mathfrak{g}$ for a semisimple Lie algebra \mathfrak{g} , as an equivariant module over the symmetric algebra $S(\mathfrak{g})$ | 129 |
| Olivier MATHIEU — Tilting modules and their applications | 145 |
| Eng-Chye TAN — On the theta lift for the trivial representation | 213 |
| Toshiyuki TANISAKI — Hypergeometric systems and Radon transforms for Hermitian symmetric spaces | 235 |
| George TOMANOV — Orbits on homogeneous spaces of arithmetic origin and approximations | 265 |
| David A. VOGAN, JR. — A Langlands classification for unitary representations | 299 |
| Minoru WAKIMOTO — Modular transformation of twisted characters of admissible representations and fusion algebras associated to non-symmetric transformation matrices | 325 |
| SYMPOSIA | 355 |