

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 $\Lambda\mathfrak{g}$ 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