

Table of Contents

ARMAND BOREL	Class functions, conjugacy classes and commutators in semisimple Lie groups	1
M. BRION	Curves and divisors in spherical varieties	21
A. L. CAREY, P. E. JUPP AND M. K. MURRAY	The phylon group and statistics	35
JAMES B. CARRELL	The span of the tangent cone of a Schubert variety	51
R. W. CARTER	Canonical bases, reduced words, and Lusztig's piecewise-linear function	61
W. A. CASSELMAN	Geometric rationality of Satake compactifications	81
EDWARD CLINE, BRIAN PARSHALL AND LEONARD SCOTT	Graded and non-graded Kazhdan-Lusztig theories	105
C. DE CONCINI AND C. PROCESI	Quantum Schubert cells and representations at roots of 1.	127
A. DIMCA AND G. I. LEHRER	Purity and equivariant weight polynomials	161
STEPHEN DONKIN	The restriction of the regular module for a quantum group	183
M. J. DYER	On coefficients of q in Kazhdan-Lusztig polynomials	189
A. F. M. TER ELST AND DEREK W. ROBINSON	Spectral estimates for positive Rockland operators	195
C. K. FAN AND G. LUSZTIG	Factorization of Certain Exponentials in Lie Groups	215
MICHAEL FIELD	Symmetry breaking for equivariant maps	219
JENS CARSTEN JANTZEN	Low dimensional representations of reductive groups are semisimple	255
D. LUNA	Grosses cellules pour les variétés sphériques	267
GEORGE LUSZTIG	Total positivity and canonical bases	281
VLADIMIR POPOV AND GERHARD RÖHRLE	On the Number of Orbits of a Parabolic Subgroup on its Unipotent Radical	297
GERALD W. SCHWARZ	On a homomorphism of Harish-Chandra	321
PETER SLODOWY	Two notes on a finiteness problem in the representation theory of finite groups	331
T. A. SPRINGER	A description of B-orbits on symmetric varieties.	349
ROBERT STEINBERG	Nagata's Example	375