

Contents

Volume I

Preface	ix
Speakers at Conference in Honor of I. M. Gelfand	xi
Curriculum Vitae of I. M. Gelfand	xii
List of Publications: 1987–1995	xiii
A Tribute to I. M. Gelfand <i>by I. M. Singer</i>	xix
Connection Formulas in the q -analog de Rham Cohomology <i>by Kazuhiko Aomoto</i>	1
Lagrangian Models of Minimal Representations of E_6, E_7 and E_8 <i>by Ranee Brylinski and Bertram Kostant</i>	13
Trigonometric Solutions of the Yang-Baxter Equation, Nets, and Hypergeometric Functions <i>by Igor B. Frenkel and Vladimir G. Turaev</i>	65
Analogies between the Langlands Correspondence and Topological Quantum Field Theory <i>by M. M. Kapranov</i>	119
“Forms” of the Principal Series for GL_n <i>by David Kazhdan</i>	153
Geometry of Determinants of Elliptic Operators <i>by Maxim Kontsevich and Simeon Vishik</i>	173
Quantum Groups at $v = \infty$ <i>by George Lusztig</i>	199
The Symplectic Operad <i>by Olivier Mathieu</i>	223
Quadratic Unipotent Representations of p -adic Groups <i>by C. Moeglin</i>	245
On the Master Field in Two Dimensions <i>by I. M. Singer</i>	263
Physical Methods Applied to Donaldson Theory <i>by Edward Witten</i>	283

Volume II

Positive Curvature, Macroscopic Dimension,
Spectral Gaps, and Higher Signatures

by M. Gromov

Geometric Construction of Polylogarithms, II

by Masaki Hanamura and Robert MacPherson

A Note on Localization and the Riemann-Roch Formula

Lisa C. Jeffrey and Frances C. Kirwan

A Note on ODEs from Mirror Symmetry

by A. Klemm, B. H. Lian, S. S. Roan and S. T. Yau