

## CONTENTS

Shreeram S. ABHYANKAR* — Characteristic Pairs	1
Max BENSON and Stephen S.-T. YAU — Lie Algebras and their Representations Arising from Isolated Singularities: Computer Method in Calculating the Lie Algebras and their Cohomology	3
Andrzej BIALYNICKI-BIRULA and Andrew J. SOMMESE — A Conjecture about Compact Quotients by Tori	59
William CASSELMAN — Introduction to the $L^2$ -Cohomology of Arithmetic Quotients of Bounded Symmetric Domains	69
Alan H. DURFEE* — Topological Restrictions on the Links of Isolated Complex Singularities	95
Michael FALK and Richard RANDELL — On the Homotopy Theory of Arrangements	101
Herwig HAUSER* — On the Singular Subspace of a Complex Analytic Variety	125
Masa-Nori ISHIDA and Naoko IWASHITA — Canonical Cyclic Quotient Singularities of Dimension Three	135
Shihoko ISHII — Du Bois Singularities on a Normal Surface	153
Shihoko ISHII — Isolated $\mathcal{Q}$ -Gorenstein Singularities of Dimension Three	165
Masaki KASHIWARA — Regular Holonomic $D$ -Modules and Distributions on Complex Manifolds	199
Henry B. LAUFER — Strong Simultaneous Resolution for Surface Singularities	207
Lê Dũng Tráng* — Le Concept de Singularité Isolée de Fonction Analytique	215
Anatoly LIBGOBER — On $\pi_2$ of the Complements to Hypersurfaces which are Generic Projections	229
Ben LICHTIN — An Upper Semicontinuity Theorem for some Leading Poles of $ f ^{2s}$	241
Masayoshi NAGASE — Sheaf Theoretic $L^2$ -Cohomology	273
Iku NAKAMURA* — On the Equations $x^p + y^q + z^r - xyz = 0$	281
Isao NARUKI — Configurations related to Maximal Rational Elliptic Surfaces	315
Walter D. NEUMANN — Splicing Algebraic Links	349
Tadao ODA — Infinitely Very Near Singular Points	363