
Contents

Complex Surfaces of General Type: Some Recent Progress <i>Ingrid C. Bauer, Fabrizio Catanese, Roberto Pignatelli</i>	1
Characteristic 0 and p Analogies, and some Motivic Cohomology <i>Manuel Blickle, Hélène Esnault, Kay Rülling</i>	59
Vector Bundles and Torsion Free Sheaves on Degenerations of Elliptic Curves <i>Lesya Bodnarchuk, Igor Burban, Yuriy Drozd, Gert-Martin Greuel</i>	83
Indices of Vector Fields and 1-Forms on Singular Varieties <i>W. Ebeling, S. M. Gusein-Zade</i>	129
Equisingular Families of Projective Curves <i>Gert-Martin Greuel, Christoph Lossen, Eugenii Shustin</i>	171
Critical Points of the Square of the Momentum Map <i>Peter Heinzner, Henrik Stötzel</i>	211
Actions on Flag Manifolds: Related Cycle Spaces <i>Alan Huckleberry</i>	227
Modularity of Calabi-Yau Varieties <i>Klaus Hulek, Remke Kloosterman, Matthias Schütt</i>	271
Some Recent Developments in the Classification Theory of Higher Dimensional Manifolds <i>Priska Jahnke, Thomas Peternell, Ivo Radloff</i>	311
Existence of Rational Curves on Algebraic Varieties, Minimal Rational Tangents, and Applications <i>Stefan Kebekus, Luis Solá Conde</i>	359

**Special Families of Curves, of Abelian Varieties,
and of Certain Minimal Manifolds over Curves**
Martin Möller, Eckart Viehweg, Kang Zuo 417

Hodge Theory and Algebraic Cycles
Stefan J. Müller-Stach 451

**Kähler Geometry of Moduli Spaces
of Holomorphic Vector Bundles**
Georg Schumacher 471

Index 499