

Contents

Foreword

List of Contributors

Introduction (by K. Ueno and T. Shioda) 1

Part I

M. Artin: Coverings of the Rational Dòuble Points in Characteristic p 11

E. Bombieri and D. Mumford: Enriques' Classification of Surfaces
in Char. p , II 23

F. Hirzebruch and D. Zagier: Classification of Hilbert Modular Surfaces . . 43

E. Horikawa: On Algebraic Surfaces with Pencils of Curves of Genus 2 . . 79

M. Inoue: New Surfaces with No Meromorphic Functions, II 91

A. Kas: On the Deformation Types of Regular Elliptic Surfaces 107

Y. Miyaoka: On Numerical Campedelli Surfaces 113

T. Shioda and H. Inose: On Singular $K3$ Surfaces 119

G. van der Geer and A. Van de Ven: On the Minimality of Certain
Hilbert Modular Surfaces 137

Part II

K. Akao: Complex Structures on $S^{2p+1} \times S^{2q+1}$ with Algebraic
Codimension 1 153

T. Fujita: Defining Equations for Certain Types of Polarized Varieties . . 165

S. Iitaka: On Logarithmic Kodaira Dimension of Algebraic Varieties . . . 175

Ma. Kato: On a Characterization of Submanifolds of Hopf Manifolds . . . 191

I. Nakamura: Relative Compactification of the Néron Model and its
Application 207

Y. Namikawa: Toroidal Degeneration of Abelian Varieties 227

F. Sakai: Kodaira Dimensions of Complements of Divisors 239

T. Suwa: Compact Quotients of C^3 by Affine Transformation Groups, II . . 259

K. Ueno: Kodaira Dimensions for Certain Fibre Spaces 279

Part III

A. Andreotti and M. Nacinovich: Some Remarks on Formal Poincaré Lemma	295
W. L. Baily, Jr.: Special Arithmetic Groups and Eisenstein Series	307
H. Goldschmidt and D. Spencer: Submanifolds and Over-determined Differential Operators	319
J. Igusa: On the First Terms of Certain Asymptotic Expansions	357
M. Kashiwara: Micro-Local Calculus of Simple Microfunctions	369
S. Kawai: A Note on Steenrod Reduced Powers of Algebraic Cocycles	375
N. Sasakura: Polynomial Growth C^∞ -de Rham Cohomology and Normalized Series of Prestratified Spaces	383
Index	397