

# CONTENTS

## I. Survey Articles

Igor V. DOLGACHEV — Finite subgroups of the plane Cremona group	1
Matthias SCHÜTT and Tetsuji SHIODA — Elliptic surfaces	51
Xiaotao SUN — Frobenius morphism and semi-stable bundles	161

## II. Research Articles

Jin-Xing CAI — Automorphisms of an irregular surface with low slope acting trivially in cohomology	183
Jiun-Cheng CHEN — On Fano varieties with large pseudo-index	195
Meng CHEN — On pluricanonical systems of algebraic varieties of general type	215
Hélène ESNAULT and Phùng Hô HAI — Two small remarks on Nori fundamental group scheme	237
JongHae KEUM — Projective surfaces with many nodes	245
Yongnam LEE — Complex structure on the rational blowdown of sections in $E(4)$	259
Hui-Wen LIN — Quantum invariance under $\mathbb{P}^1$ flops of type $(k+2, k)$	271
Noboru NAKAYAMA — Separable endomorphisms of surfaces in positive characteristic	301
Keiji OGUIO — The third smallest Salem number in automorphisms of K3 surfaces	331
Ichiro SHIMADA — Topology of curves on a surface and lattice-theoretic invariants of coverings of the surface	361