

Contents

Survey Articles

Igor Dolgachev — A brief introduction to Enriques surfaces	1
Eduard Looijenga — Moduli spaces and locally symmetric varieties	33
Nicole Mestrano and Carlos Simpson — Moduli of sheaves	77
Hiraku Nakajima — More lectures on Hilbert schemes of points on surfaces	173
Iku Nakamura — Compactification by GIT-stability of the moduli space of abelian varieties	207

Research Articles

Valery Alexeev — Divisors on Burniat surfaces	287
Marian Aprodu, Gavril Farkas, and Angela Ortega — Restricted Lazarsfeld–Mukai bundles and canonical curves	303
Ionuț Ciocan-Fontanine and Bumsig Kim — Big I -functions	323
Brendan Hassett, Andrew Kresch, and Yuri Tschinkel — On the moduli of degree 4 Del Pezzo surfaces	349
Daniel Huybrechts — On derived categories of $K3$ surfaces, symplectic automorphisms and the Conway group	387
JongHae Keum — Order 40 automorphisms of $K3$ surfaces	407
Viacheslav V. Nikulin — Kählerian $K3$ surfaces and Niemeier lattices, II	421
Kōta Yoshioka — Bridgeland’s stability and the positive cone of the moduli spaces of stable objects on an abelian surface	473