

Contents

Preface	ix
List of talks	xi
Compactified Jacobians, Abel maps and Theta divisors LUCIA CAPORASO	1
Singularities of theta divisors in algebraic geometry SEBASTIAN CASALAINA-MARTIN	25
The diagonal property for abelian varieties OLIVIER DEBARRE	45
On isogenous principally polarized abelian surfaces I. DOLGACHEV AND D. LEHAVI	51
Néron models and boundary components for degenerations of Hodge structure of mirror quintic type MARK GREEN, PHILLIP GRIFFITHS, AND MATT KERR	71
Polarization Type of Isogenous Prym-Tyurin Varieties V. KANEV AND H. LANGE	147
A tour of theta dualities on moduli spaces of sheaves ALINA MARIAN AND DRAGOS OPREA	175
Tropical curves, their Jacobians and Theta functions GRIGORY MIKHALKIN AND ILIA ZHARKOV	203
Logarithmic interpretation of the main component in toric Hilbert schemes MARTIN OLSSON	231
On the Universal Principally Polarized Abelian Variety of Dimension 4 ALESSANDRO VERRA	253