

AUTOMORPHIC FORMS and MODULI SPACES

CIRM, Luminy, October 10–14, 2011

Valery Gritsenko, Dimitri Markushevich

MONDAY, October 10.

- 9.10–10.00 **Kieran O’Grady**. Moduli of double EPW-sextics.
- 10.30–11.20 **Shigeyuki Kondō**. The moduli spaces of Hessian quartic surfaces, Enriques surfaces, and automorphic forms.
- 11.30–12.20 **Vyacheslav Nikulin**. The transition constant for arithmetic hyperbolic reflection groups.
- 16.00–16.50 **Igor Dolgachev**. Moduli space of Enriques surfaces.
- 17.00–17.50 **Paolo Stellari**. Fourier–Mukai functors in geometric contexts.
- 18.00–18.50 **Matthias Schütt**. Shimura varieties for abelian fourfolds with an automorphism of order five.

TUESDAY, October 11.

- 9.10–10.00 **Gavril Farkas**. Models of the Prym moduli space via special K3 surfaces.
- 10.30–11.20 **Ken-Ichi Yoshikawa**. Resultants and Borcherds Φ -function.
- 11.30–12.20 **Misha Verbitsky**. Any component of moduli of polarized hyperkähler manifolds is dense in its deformation space.
- 14.40–15.30 **Gerard van den Geer**. Cohomology of local systems on Picard modular surfaces and Picard modular forms.
- 15.40–16.30 **Alexander Kuznetsov**. Enriques surfaces and Artin–Mumford quartic double solids.
- 17.00–17.50 **Alessandra Sarti**. The Berglund–Hübsch–Chiodo–Ruan mirror symmetry for K3 surfaces.
- 18.00–18.50 **Daniel Allcock**. Finite presentation of Kac–Moody groups over \mathbb{Z} .

WEDNESDAY, October 12.

- 9.10–10.00 **Fabrizio Catanese**. New results on uniformization by symmetric bounded domains and on their quotient varieties.
- 10.30–11.00 **Apostol Apostolov**. Moduli spaces of polarized irreducible symplectic manifolds are not necessarily connected.
- 11.10–11.40 **Malte Wandel**. Moduli spaces of stable pairs in Donaldson–Thomas theory.
- 11.50–12.20 **Shouhei Ma**. Rationality of the moduli spaces of 2-elementary K3 surfaces.

THURSDAY, October 13.

- 9.10–10.00 **Laurent Gruson**. Trivectors on \mathbb{C}^9 and $(3, 3)$ -polarized abelian surfaces.
- 10.30–11.20 **Kōta Yoshioka**. Bridgeland stability conditions and Fourier–Mukai transforms.
- 11.30–12.20 **Samuel Grushevsky**. The Prym map on divisors.
- 16.00–16.50 **Eyal Markman**. Generalized deformations of pairs of a K3 surface and a stable coherent sheaf.
- 17.00–17.50 **Justin Sawon**. Lagrangian fibrations by Jacobians of low genus curves.
- 18.00–18.50 **Martin Möller**. Derivatives of theta function and Kobayashi geodesics.

FRIDAY, October 14.

- 9.10–10.00 **Ludmil Katzarkov**. Wallcrossings, Cubics and Automorphic forms.
- 10.30–11.20 **Daisuke Matsushita**. On rational Lagrangian fibrations of irreducible symplectic manifolds.
- 11.30–12.20 **Klaus Hulek**. On the cohomology of the second Voronoi compactification of A_4 .
- ?16.00–18.30? ?? *A possible overprogram session for participants remaining till Saturday ??*