

New developments in Algebraic Geometry, Integrable Systems and Mirror symmetry

The conference “New developments in Algebraic Geometry, Integrable Systems and Mirror Symmetry” was held at RIMS (Research Institute for Mathematical Sciences), Kyoto University for January 7–11, 2008.

The main purpose of the conference was to explore those recent developments and interactions of various mathematical fields, such as algebraic geometry, integrable systems, Gromov–Witten theory and symplectic geometry, that have come from ideas in mirror symmetry.

There were 97 participants in the conference including 18 from overseas, and there were 19 one-hour lectures by invited speakers, followed by many discussions. We thank all the speakers and participants for their contributions, which made the conference very active and productive.

This conference was held as a part of activities of the RIMS International Project Research 2007, “Mirror Symmetry and Topological Field Theory” (April, 2007–March, 2008). We would like to thank RIMS for their support in organizing the conference. Special thanks are due to the secretaries of RIMS for their kind arrangements for participants. The conference was also supported by the Grant-in-Aids for Scientific Research ¹ of the Japan Society for the Promotion of Science. We are grateful for their generous financial support.

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