Low-dimensional Topology and Number Theory

Organised by
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Abstract. The workshop brought together topologists and number theorists with the intent of exploring the many tantalizing connections between these areas.

Mathematics Subject Classification (2010): 57xx, 11xx.

Introduction by the Organisers

The workshop Low-Dimensional Topology and Number Theory, organised by Paul E. Gunnells (Amherst), Walter Neumann (New York), Don Zagier (Bonn) and Adam S. Sikora (New York) was held August 17th – August 23rd, 2014. This meeting was a part of a long-standing tradition of collaboration of researchers in these areas. The preceding meeting under the same name took place in Oberwolfach two years ago. At the moment the topic of most active interaction between topologists and number theorists are quantum invariants of 3-manifolds and their asymptotics. This year’s meeting showed significant progress in the field. The workshop was attended by many researchers from around the world, at different stages of their careers – from graduate students to some of the most established scientific leaders in their areas. The participants represented diverse backgrounds. There were 24 talks ranging intertwined with informal discussions.

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Workshop: Low-dimensional Topology and Number Theory

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