

Program of the Mathematische Arbeitstagung 2011

Fri, 24 Jun 2011

- 14:00 - 14:30 MPIM Tea Room
Tea
- 15:30 - 16:15 Former Mathematical Institute, Großer Hörsaal, Wegelerstr. 10
Opening and first program discussion
- 16:15 - 17:00 Former Mathematical Institute, Wegelerstrasse 10
Break
- 17:00 - 18:00 Former Mathematical Institute, Großer Hörsaal, Wegelerstr. 10
MAXIM KONTSEVICH (IHES)
Opening lecture: Noncommutative identities

Sat, 25 Jun 2011

- 10:15 - 11:15 Former Mathematical Institute, Großer Hörsaal, Wegelerstr. 10
TOMOYOSHI IBUKIYAMA (OSAKA UNIVERSITY)
Exact critical values of a symmetric fourth L-function and Zagier's conjecture
- 11:15 - 12:00 Former Mathematical Institute, Wegelerstrasse 10
Break
- 12:00 - 13:00 Former Mathematical Institute, Großer Hörsaal, Wegelerstr. 10
MARTIN MÖLLER (UNIVERSITÄT FRANKFURT)
Teichmüller curves
- 15:30 - 16:00 MPIM Tea Room
Tea
- 17:00 - 18:00 Former Mathematical Institute, Großer Hörsaal, Wegelerstr. 10
HIDEKAZU FURUSHO (NAGOYA UNIVERSITY)
Double shuffle for associators

Sun, 26 Jun 2011

- 10:15 - 10:30 Former Mathematical Institute, Großer Hörsaal, Wegelerstr. 10
Program discussion II
- 10:30 - 11:30 Former Mathematical Institute, Großer Hörsaal, Wegelerstr. 10
ALEXANDER GONCHAROV (BROWN UNIVERSITY)
Hodge correlators for local systems
- 11:30 - 12:00 Former Mathematical Institute, Wegelerstrasse 10
Break
- 12:00 - 13:00 Former Mathematical Institute, Großer Hörsaal, Wegelerstr. 10
VALENTIN BLOMER (UNIVERSITÄT GÖTTINGEN)
Bounding eigenfunctions on arithmetic surfaces
- 15:30 - 16:00 MPIM Tea Room
Tea
- 17:00 - 18:00 Former Mathematical Institute, Großer Hörsaal, Wegelerstr. 10
STAVROS GAROUFALIDIS (GEORGIA INSTITUTE OF TECHNOLOGY)
Quantum knot invariants

Mon, 27 Jun 2011

- 09:00 - 14:00 *Boat trip to Koblenz (cast off 09:00 sharp!)*
- 10:00 - 11:00 BENEDICT GROSS (HARVARD)
Talk on the boat: Don Zagier's work on singular moduli
- 12:00 - 13:00 GUNTHER CORNELISSEN (UTRECHT)
Talk on the boat: Classfield theory as a dynamical system
- 14:00 - 17:30 *Stopover in Koblenz*
- 17:30 - 20:00 *Return trip to Bonn*
- 18:00 - 19:00 GAËTAN BOROT (CEA, FRANCE)
Talk on the boat: Loop equations and spectral curves

Tue, 28 Jun 2011

- 10:15 - 10:30 MPIM Lecture Hall
Program discussion III
- 10:30 - 11:30 MPIM Lecture Hall
DMITRY LEBEDEV (ITEP MOSCOW AND AARHUS)
Arithmetic geometry and topological strings
- 11:30 - 12:00 MPIM Tea Room
Tea
- 12:00 - 13:00 MPIM Lecture Hall
ALEXANDER BEILINSON (UNIVERSITY OF CHICAGO)
The p -adic Poincaré lemma and the period map
- 15:30 - 16:00 MPIM Lecture Hall
The future of the AT (public discussion)
- 16:00 - 16:30 MPIM Tea Room
Tea
- 17:00 - 18:00 MPIM Lecture Hall
JOACHIM SCHWERMER (UNIVERSITÄT WIEN)
Geometric cycles and discrete groups

Wed, 29 Jun 2011

- 10:15 - 11:15 MPIM Lecture Hall
GERARD VAN DER GEER (UNIVERSITY OF AMSTERDAM)
Modular Forms of Genus Three
- 11:15 - 12:00 MPIM Tea Room
Tea
- 12:00 - 13:00 MPIM Lecture Hall
TUDOR DIMOFTE (PRINCETON)
Chern-Simons with complex gauge groups
- 16:00 - 16:30 MPIM Tea Room
Tea
- 17:00 - 18:00 MPIM Lecture Hall
FRANCIS BROWN (CNRS, IMJ)
On multiple zeta values
- 20:00 - 23:00 *Rector's Party, Festsaal der Universitat*

Thu, 30 Jun 2011

- 10:00 - 11:00 Former Mathematical Institute, Groer Horsaal, Wegelerstr. 10
SIR MICHAEL ATIYAH
Cones and signatures - old formulae revisited
- 12:00 - 13:00 MPIM Lecture Hall
MANJUL BHARGAVA (PRINCETON)
Selmer groups
- 13:00 - 13:30 MPIM Tea Room
Unveiling of a piece of art
- 15:00 - 16:00 MPIM Lecture Hall
ANANTHARAM RAGHURAM (OKLAHOMA STATE UNIVERSITY)
Special values of L-functions
- 16:00 - 16:30 MPIM Tea Room
Tea
- 17:00 - 18:00 MPIM Lecture Hall
MAJID HADIAN (ESSEN)
Motivic fundamental groups

Fri, 01 Jul 2011

- 10:30 - 11:30 MPIM Lecture Hall
PETER TEICHNER (MPIM)
Universal elliptic cohomology and modular forms
- 12:00 - 13:00 MPIM Lecture Hall
MARTIN RAUM (MPIM)
Eichler relations