

Zehnter Karlsruher Weihnachtsworkshop zur Geometrie und Zahlentheorie

December 17 to 19, 2012

Programme

Monday, December 17

- 9:30 Reception Tea in the Allianz building, room 5C-01.1
- 10:00 – 11:00 Jürgen Wolfart (Frankfurt) *Galois actions on regular
dessins of small genera*
- 11:15 – 12:15 Jan-Christoph Schlage-Puchta (Rostock) *Subgroup growth of $\mathbb{F}_p[[t]]$ -linear groups*
- L u n c h b r e a k
- 14:00 – 15:00 Robert Kucharczyk (Bonn) *Higher dessins d'enfants*
- 15:15 – 16:15 André Kappes (Frankfurt) *Commensurability among lattices in $PU(1, n)$*
- 16:45 – 17:45 Vincent Delecroix (Paris) *Diagonal changes in hyperelliptic strata*

Tuesday, December 18

- 08:45 – 09:45 Diego De Filippi (Karlsruhe) *Teichmüller disks in Schottky space*
- 10:15 – 11:15 Bernhard Köck (Southampton) *Equivariant Riemann-Roch theory
for Curves over Finite Fields*
- 11:30 – 12:30 Samuel Lelièvre (Paris) *Translation surfaces with no convex pattern*
- L u n c h b r e a k
- 14:00 – 15:00 Stefan Wewers (Ulm) *Diophantine Equations, the Chabauty-Kim
Method and the p -adic Dilogarithm*
- 15:30 – 16:30 Anton Deitmar (Tübingen) *On the field of one element*
- 16:45 – 17:45 Carl-Friedrich Bödigheimer (Bonn) *Homology operators for moduli spaces*
- from 19:00 **Weihnachtsfeier im Jubez-Café**

Wednesday, December 19

- 10:00 – 11:00 Fabian Januszewski (Karlsruhe) *L-values, characters and topology*
11:15 – 12:15 Rainer Schulze-Pillot (Saarbrücken) *Representations of integral quadratic forms*

L u n c h b r e a k

- 14:00 – 15:00 Roman Sauer (Karlsruhe) *What are the locally compact groups into which a given group embeds as a lattice?*
15:30 – 16:30 Martin Möller (Frankfurt) *Partitions, Siegel-Veech counting and quasimodular forms*

All talks will take place in **Seminarraum 1C-03** in the Allianzgebäude am Kronenplatz (building 05.20). Address: Allianzgebäude, Kaiserstraße 89-93, 76133 Karlsruhe

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