VERANSTALTUNGSKALENDER der Bonner Mathematik

Die Termine vom 26.03.2018 bis 01.04.2018

universitätbonn

hausdorff center for mathematics

Mathematisches Institut | Institut für Numerische Simulation | Hausdorff Research Institute for Mathematics
Institut für Angewandte Mathematik | Max-Planck-Institut für Mathematik | Forschungsinstitut für Diskrete Mathematik

Montag, 26.03.2018

11.00–12.00	Hausdorff Trimester Program (HTP) **Frits Beukers (Utrecht University)**: *Some supercongruences of arbitrary length* Poppelsdorfer Allee 45, Vortragssaal HIM
13.45–14.45	Hausdorff Trimester Program (HTP) **Alexander Varchenko (University of North Carolina at Chapel Hill)**: *Solutions of KZ differential equations modulo p* Poppelsdorfer Allee 45, Vortragssaal HIM
14.15–15.15	Number theory lunch seminar **Peter Koymans (Leiden University)**: *A survey on 2-parts of class groups* Vivatsgasse 7, Hörsaal MPI
15.00–16.00	Hausdorff Trimester Program (HTP) **Bartosz Naskręcki (Adam Mickiewicz University)**: *Elliptic and hyperelliptic realisations of low degree hypergeometric motives* Poppelsdorfer Allee 45, Vortragssaal HIM
16.30–17.30	Hausdorff Trimester Program (HTP) **Roberto Villaflor Loyola (IMPA)**: *Periods of linear algebraic cycles in Fermat varieties* Poppelsdorfer Allee 45, Vortragssaal HIM

Dienstag, 27.03.2018

09.30–10.30	Hausdorff Trimester Program (HTP) **Mark Watkins (University of Sydney)**: *Computing with hypergeometric motives in Magma* Poppelsdorfer Allee 45, Vortragssaal HIM
11.00–12.00	Hausdorff Trimester Program (HTP) **Madhav Nori (The University of Chicago)**: *Semi-Abelian Motives* Poppelsdorfer Allee 45, Vortragssaal HIM
11.30–12.30	Number theory lunch seminar **Christopher Frei (University of Manchester)**: *tba* Vivatsgasse 7, Hörsaal MPI

Dienstag, 27.03.2018

13.45–14.45 Hausdorff Trimester Program (HTP)
Wadim Zudilin (The University of Newcastle): *A q-microscope for hypergeometric congruences*
Poppelsdorfer Allee 45, Vortragssaal HIM

14.00–15.00 Seminar on Algebra, Geometry and Physics
Philippe Elbaz-Vincent (Université Grenoble Alpes/HCM, Bonn): *Cohomology of GL_N(Z) for N>7, trivialilty of K_8(Z) and arithmetical applications*
Vivatsgasse 7, Hörsaal MPI

15.00–16.00 Hausdorff Trimester Program (HTP)
Masha Vlasenko (Institute of Mathematics of the Polish Academy of Sciences): *Dwork crystals and related congruences*
Poppelsdorfer Allee 45, Vortragssaal HIM

Mittwoch, 28.03.2018

09.30–10.30 Hausdorff Trimester Program (HTP)
Jan Stienstra (Utrecht University): *Zhegalkin zebra motives, digital recordings of Mirror Symmetry*
Poppelsdorfer Allee 45, Vortragssaal HIM

11.00–12.00 Hausdorff Trimester Program (HTP)
R. Paul Horja (University of Miami): *Spherical Functors and GKZ D-modules*
Poppelsdorfer Allee 45, Vortragssaal HIM

13.45–14.45 Hausdorff Trimester Program (HTP)
Duco van Straten (JGU Mainz): *Frobenius structure for Calabi-Yau operators*
Poppelsdorfer Allee 45, Vortragssaal HIM

14.30–15.30 Number theory lunch seminar
Francesca Balestrieri (MPIM, Bonn): *Arithmetic of rational points and zero-cycles on Kummer varieties*
Vivatsgasse 7, Hörsaal MPI

15.00–16.00 Hausdorff Trimester Program (HTP)
Kiran S. Kedlaya (University of California, San Diego): *Frobenius structures on hypergeometric equations: computational methods*
Poppelsdorfer Allee 45, Vortragssaal HIM

Donnerstag, 29.03.2018

09.30–10.30 Hausdorff Trimester Program (HTP)
Danylo Radchenko (MPIM Bonn): *Goursat rigid local systems of rank 4*
Poppelsdorfer Allee 45, Vortragssaal HIM

11.00–12.00 Hausdorff Trimester Program (HTP)
Damian Rössler (Oxford University): *The arithmetic Riemann-Roch theorem and Bernoulli numbers*
Poppelsdorfer Allee 45, Vortragssaal HIM

14.00–15.00 Hausdorff Trimester Program (HTP)
Robert Kucharczyk (ETH Zürich): *The geometry and arithmetic of triangular modular curves*
Poppelsdorfer Allee 45, Vortragssaal HIM

15.00–16.00 Hausdorff Trimester Program (HTP)
John Voight (Dartmouth College): *On the hypergeometric decomposition of symmetric K3 quartic pencils*
Poppelsdorfer Allee 45, Vortragssaal HIM

Donnerstag, 29.03.2018

15.00–16.00 MPI-Oberseminar
Chary Bonala, Jenya Sapir (MPIM, Bonn): *New guests at the MPIM*
Vivatsgasse 7, Hörsaal MPI