

Workshop: Enumeration and bounds in real algebraic geometry

Monday, 21 April 2008

- 10:00—10:30 Coffee
- 10:30—11:30 **I. Itenberg**, *Tropical calculation of Welschinger invariants.*
- 14:00—15:00 **E. Brugallé**, *Tropical computation of Zeuthen numbers.*
- 15:00—15:30 Coffee
- 15:30—16:30 **D. Novikov**, *Pseudoabelian integrals and generalization of Varchenko-Khovanskii theorem.*

Tuesday, 22 April 2008

- 9:30—10:30 **A. Khovanskii**, *Algebraic equations on an affine variety and convex bodies.*
- 10:30—11:00 Coffee
- 11:00—12:00 **M. Hampton**, *Finiteness and enumeration of the relative equilibria in the N -body and N -vortex problems.*
- 14:00—15:00 **E. Soprunova**, *Lower bounds for some sparse polynomial systems.*
- 15:00—15:30 Coffee
- 15:30—16:30 **M. Joswig**, *Products of foldable triangulations of lattice polytopes.*

Wednesday, 23 April 2008

- 9:30—10:30 **B. Shiffman**, *Number variance for simultaneous zeros of random polynomials.*
- 10:30—11:00 Coffee
- 11:00—12:00 **S. Zrebiec**, *Estimates on the probability of outliers for real random functions associated with the Bargmann-Fock Space.*

Thursday, 24 April 2008

- 9:30—10:30 **P. Bürgisser**, *Average volume, curvatures, and Euler characteristic of random real algebraic varieties.*
- 10:30—11:00 Coffee
- 11:00—12:00 **J.M. Rojas**, *Sharper, High Probability Bounds for Fewnomials.*
- 14:00—15:00 **F. Bihan**, *Fewnomial bounds via Gale duality.*
- 15:00—15:30 Coffee
- 15:30—16:30 **D. Bates**, *Gale duality for bounding and locating real solutions of polynomial equations.*

Friday, 25 April 2008

- 9:30—10:30 **S. Yakovenko**, *Polynomial upper bounds for zeros of solutions of Fuchsian systems.*
- 10:30—11:00 Coffee
- 11:00—12:00 **S. Basu**, *Betti numbers of semi-algebraic sets defined by partly quadratic systems of polynomials.*
- 14:00—15:00 **A. Gabrielov**, *Approximation by monotone families of compact sets and topological complexity of the sets definable in o-minimal structures.*
- 15:00—15:30 Coffee