

HOLOMORPHIC CURVES IN CONTACT GEOMETRY

Workshop Schedule

Monday, August 4, 2003

- 9:30 am - Tobias Ekholm: A Brief Introduction to Contact Homology
- 10:15 am - Lisa Traynor: An Introduction to the Theory of Generating Functions
- 11:10 am - Tobias Ekholm: Higher Dimensional Examples
- 11:30 am - Discussion: Contact Homology and Generating Functions
- 12:15 pm - Lunch
- 2:00 pm - Lenny Ng: Gradient Trees, Knot Invariants, and discussion
- 3:30 pm - John Entyre and Ko Honda: Transverse Non-Simplicity and discussion

Tuesday, August 5, 2003

- 9:30 am - E. Giroux: Open Books in Contact Geometry
- 11:00 am - D. Auroux: Lefschetz Pencils/Open Books in Symplectic/Contact Geometry
- 2:00 pm - F. Bourgeois: Contact Homology and Homotopy Groups of the Space of Contact Structures
- 3:15 pm - Y. Eliashberg: Discussion on Applications of Contact Homology and Using Open Books

Wednesday, August 6, 2003

Around Lagrangian Submanifolds

- 9:30 am - P. Brian: Computations in Floer Homology with Applications to Geometry and Topology
- 10:20 am - L. Polterovich: Boundary Rigidity for Lagrangian Submanifolds
- 11:10 am - D. McDuff: Quantum Homology for Toric Manifolds
- 12:15 pm - Lunch
- 2:00 pm - R. Hind: Lagrangian Unknottedness of Spheres
- 2:50 pm - A. Irvii: Lagrangian Unknottedness of Tori
- 3:50 pm - Open problems session

Thursday, August 7, 2003

Around Low Dimensional Topological Invariants and Contact/Symplectic Geometry

- 9:00 am - M. Hutchings: The Embedded Contact Homology of T^3
- 11:00 am - P. Ozsvath: Heegaard-Floer Homology, Contact Structures, and Other Developments
- 12:15 pm - Lunch
- 2:00 pm - H. Geiges: Contact Surgery
- 2:45 pm - A. Stipsicz: Applications of Contact Heegaard-Floer Invariants
- 3:45 pm - O. Plamenevskaya: Some Examples of Contact Heegaard-Floer Invariants
- 4:30 pm - Discussion Session
- 6:45 pm - Workshop banquet

Friday, August 8, 2003

Around 'Physics' and Topology

- 9:30 am - A. Grassi: Surgery, Knots, and Enumerative Invariants

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10:45 am - Y. J. Lee: Relating Floer and Gromov Theory with Applications

12:15 pm - Lunch

2:00 pm - L. Ng: Knot Contact Homology

2:30 pm - Discussion Session

4:00 pm - R. Kirby: Constructing Singular Symplectic Forms on 4-Manifolds

Saturday, August 9, 2003

9:00 am 12:00 pm: Informal discussion session