

Symplectic Geometry and Physics Tutorials

Tuesday March 18, 2003

- 9:15–10:30 **Denis Auroux** (Massachusetts Institute of Technology)
Introduction to symplectic topology
- 10:30–11:00 *Coffee Break*
- 11:00–12:15 **Denis Auroux** (Massachusetts Institute of Technology)
Symplectic Lefschetz pencils I
- 12:15–2:00 *Lunch (on your own)*
- 2:00–3:15 **Yan Soibelman** (Kansas State University)
Mirror Symmetry and Deformation Theory I
- 3:15–3:45 *Break*
- 3:45–5:00 **Yan Soibelman** (Kansas State University)
Mirror Symmetry and Deformation Theory II

Wednesday March 19, 2003

- 9:15–10:30 **Denis Auroux** (Massachusetts Institute of Technology)
Symplectic Lefschetz pencils II
- 10:30–11:00 *Coffee Break*
- 11:00–12:15 **S.-T. Yau** (Harvard University)
On the SYZ conjecture
- 12:15–2:00 *Lunch (on your own)*
- 2:00–3:15 **Denis Auroux** (Massachusetts Institute of Technology)
Branched coverings and monodromy invariants
- 3:15–3:45 *Break*
- 3:45–5:00 **George Zaslavsky** (New York University)
Chaotic Dynamics and its Description - I



Thursday March 20, 2003

- 9:15–10:30 **Anton Kapustin** (Caltech / USC)
Mirror Symmetry, Derived Categories, and D-branes I
- 10:30–11:00 *Coffee Break*
- 11:00–12:15 **Kenji Fukaya** (Kyoto University)
Introduction to Fukaya Category
- 12:15–2:00 *Lunch (on your own)*
- 2:00–3:15 **Ludmil Katzarkov** (University of California, Irvine)
Mirror Symmetry, Derived Categories, and D-branes II
- 3:15–3:45 *Break*
- 3:45–5:00 **George Zaslavsky** (New York University)
Chaotic Dynamics and its Description - II

Friday March 21, 2003

- 9:15–10:30 **George Zaslavsky** (New York University)
Kinetics of Chaos and Fractional kinetics
- 10:30–11:00 *Coffee Break*
- 11:00–12:15 **George Zaslavsky** (New York University)
Anomalous Transport and Models, Pseudochaos
- 12:15–2:00 *Lunch (on your own)*
- 2:00–3:15 **Ludmil Katzarkov** (University of California, Irvine)
Mirror Symmetry, Derived Categories, and D-branes III
- 3:15–3:45 *Break*
- 3:45–5:00 **Anton Kapustin** (Caltech / USC)
Mirror Symmetry, Derived Categories, and D-branes IV