Workshop on Geometric Flows
At the Harvard Mathematics Department

Organizers: Huai-Dong Cao, Panagiota Daskalopoulos, Richard Hamilton, Shing-Tung Yau

Date: March 4-5, 2006
Place: Science center, lecture hall C, Harvard University, Cambridge, MA, 02138.

Speakers:
- **Vincent Moncrief** (Yale): "The Hamiltonian flow for 2+1-dimensional Einstein gravity"
- **Lei Ni** (UCSD): "Local monotonicity and regularity for Ricci flow"
- **Duong Phong** (Columbia): "The complex Monge-Ampere equation and geodesics of Kähler potentials"
- **Natasa Sesum** (Columbia): The Kähler-Ricci flow and properties of the solutions of the conjugate heat equation
- **Brian White** (Stanford): Singularities in mean curvature flow
- **Xi-Ping Zhu** (Zhongshan visiting Harvard): "Uniqueness of the Ricci flow on complete non-compact manifolds"
- **Mu-Tao Wang** (Columbia) "Some positivity results of quasi-local mass".
- **Joachim Krieger** (Harvard): "Global regularity and stability results for wave maps in low dimensions."
- **Horng-Tzer Yau** (Harvard): "Long time behavior of the Schrödinger equation"

Program:

**Saturday, March 4, 2006**
- 0900-0955 **Duong Phong**: The complex Ampere-Monge equation and geodesics of Kähler potentials
- 1000-1055 **Vincent Moncrief**: The Hamiltonian Flow for 2+1 dimensional Einstein gravity
- 1100-1115 BREAK
- 1115-1210 **Mu-Tao Wang**: Some positivity results of quasi-local mass
- 1215-1400 LUNCH
- 1400-1455 **Brian White**: Singularities in mean curvature flow
- 1500-1555 **Natasa Sesum**: The Kähler-Ricci flow and properties of the solutions of the conjugate heat equations
- 1600-1615 BREAK
- 1615-1710 **Lei Ni**: Local monotonicity and regularity for Ricci flow

**Sunday, March 5, 2006**
- 0900-0955 **Xi-Ping Zhu**: Uniqueness of the Ricci flow on complete non-compact manifolds
- 1000-1055 **Joachim Krieger**: Global regularity and stability results for wavemaps in low dimension
- 1100-1115 BREAK
- 1115-1210 **Horng-Tzer Yau**: Long time behavior of the Schrödinger equation

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