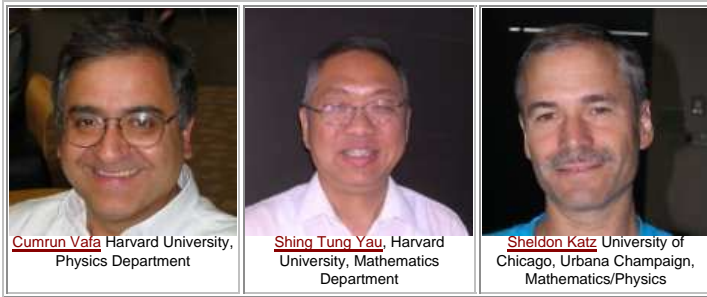


Black holes, topological strings, and invariants of holomorphic submanifolds

January
30-31, 2006

At the Harvard Mathematics Department and the Harvard Physics Department



Organizers: Cumrun Vafa, Shing Tung Yau and Sheldon Katz

Date: January 30-31 2006

Place: Science center, lecture hall D, Harvard University, Cambridge, MA, 02138.
Directions

Registration There is no registration and no registration fee for the conference.

Program:

Monday January 30, 2006

0800 BREAKFAST
0900-0955 **Hiroshi Ooguri**: Chiral Baby Universes
1000-1055 **Erik Verlinde**: The topological string partition function and the counting of BPS states
1100-1115 BREAK
1115-1210 **Greg Moore**: Uncertainty and Fluxes
1215-1400 LUNCH
1400-1455 **Sir Michael Atiyah**: Analysis, Geometry, and Topology
1500-1555 **Shing Tung Yau**: Contribution of Raoul Bott in geometry
1600-1615 BREAK
1615-1710 **Daniel Freed**: Encounters with Raoul

Tuesday January 31, 2006

0800 BREAKFAST
0900-0955 **Rahul Pandharipande**: New calculations in Gromov-Witten Theory
1000-1055 **Albrecht Klemm**: Counting BPS states on the Enriques Calabi-Yau
1100-1115 BREAK
1115-1210 **Mina Aganagic**: Branes, Black Holes and Topological Strings
1210-1400 LUNCH
1400-1455 **Frederik Denef**: Counting D-brane ground states
1500-1555 **Kefeng Liu**: Localization and conjectures from string duality
1600-1615 BREAK
1615-1710 **Robbert Dijkgraaf**: A Universal Wave Function

Speakers:



Memorial talks:

On Monday 2.00 pm as an addition to the conference, Sir Michael Atiyah, Shing Tung Yau and Daniel Freed will give lectures in memoriam of Raoul Bott who passed away on December 20, 2005.