3rd AMENDMENT
For favor of posting

The Hong Kong University of Science and Technology

Department of Mathematics

Hong Kong Geometry Colloquium

Saturday, 22 March 2003
Room 1401, Academic Building, (near Lifts 25 & 26), HKUST

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10:00a.m. -11:00a.m.

Professor Zhu Xi-Ping
Department of Mathematics, Zhongshan University
and IMS, The Chinese University of Hong Kong

Curvature Estimate for the Ricci Flow on Compact Kaehler Manifolds

Abstract: One of open problem in the study of the Ricci flow on compact Kaehler manifolds is to give a proof of the Frankel conjecture via the heat flow method. The crucial step is to obtain a uniform estimate on the curvature of the evolving metric. In this talk I will present a new uniform estimate by using Li-Yau-Hamilton type estimate and a very recent noncollapsing result of Perelman. In contrast to the recent work of X.X. Chen and G. Tian, our proof does not rely on the existence of Kaehler-Einstein metrics on such a manifold. This is a joint work with H.D. Cao and B.L. Chen.

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* **11:00a.m.-11:30a.m. Tea Break** *

* **Venue**: **Room 3493, Academic Building, (near Lifts 25 & 26), HKUST** *

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11:30a.m.-12:30p.m.

Professor Hu Jianxun
Department of Mathematics, Zhongshan University
and HKUST

Mukai Flop and Ruan Cohomology

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All are welcome!

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