“We shall now postulate a general result about compact, Kähler manifolds. While the proof of this result is not complete, we feel justified in assuming the truth of the statement for several concurrent, intuitive reasons. A sketch of a heuristic argument for the proposition will be given in the Appendix.” — Eugenio Calabi

The Trivial Notions Seminar
Proudly Announces

Kähler, Calabi and Yau

A talk by
Valentino Tosatti

Abstract
This will be a gentle introduction to the fabulous world of Kähler geometry and to a somewhat magical conjecture, which was formulated by Calabi and later proved by Yau, that is one of the cornerstones of the theory. The meaning of ubiquitous mystical terms like “Calabi-Yau manifold”, “Einstein metric” and “Ricci flow” will finally be revealed.

Thursday, January 31st, 2008 at 3:07 pm
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