UNIVERSITY OF CALIFORNIA, SANTA BARBARA

GEOMETRY, TOPOLOGY, AND PHYSICS SEMINAR

Ricci Flow and Renormalization

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Friday, December 8, 2006, 3:30 p.m.
Room 6635 South Hall

Abstract: 25 years ago, Friedan calculated the one-loop renormalization of a two-dimensional sigma-model with target space an arbitrary Riemannian manifold and found that the metric should evolve by Ricci flow. We will explain this result and its connections to the recent work of Perelman on Ricci flow.

Information about future meetings of this seminar can be found at
http://www.math.ucsb.edu/~drm/GTPseminar/