UNIVERSITY OF CALIFORNIA, SANTA BARBARA

Geometry, Topology, and Physics Seminar

Regularization and Renormalization of Sigma Models

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Friday, March 9, 2007, 3:30 p.m.
Room 6635 South Hall

Abstract: In a lecture in December, I briefly discussed the dimensional regularization of sigma models, which is the technical tool underlying the calculation of Ricci flow as the one-loop approximation to renormalization flow on the space of Riemannian metrics on a manifold. In this week's lecture will I give a detailed presentation of dimensional regularization and the renormalization calculations.

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