Geometry, Topology, and Physics Seminar

Reversing sigma model constructions

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Friday, March 14, 2008, 4:00 p.m.
Room 6635 South Hall

Abstract: To certain geometries string theory associates conformal field theories. We discuss techniques to perform the reverse procedure: To recover geometric data from abstractly defined conformal field theories. This is done by introducing appropriate notions of limits of conformal field theories and their degenerations, and by interpreting the resulting structures by methods known form noncommutative geometry.

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