An International Conference to Celebrate the Birthday of Shing-Tung Yau August 27-September 1, 2008

CHIRAL GRAVITY IN THREE DIMENSIONS

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Abstract: Einstein gravity with a negative cosmological constant and a Chern-Simons action in three dimensions on asymptotically antideSitter spacetimes is considered. It is shown that at a critical "chiral" value of the couplings, the asymptotic symmetry group is generated by one (rather than the usual two) copy of the Virasoro algebra.