Geometry, Topology, and Physics Seminar

Central Charges in the Canonical Realization of Asymptotic Symmetries, following Brown and Henneaux

Chao-Ming Jian
KITP and Station Q

Friday, March 3, 2017, 4:00 p.m.
Room 6635 South Hall

Abstract: In this talk, I will review the paper by Brown and Henneaux titled above. I will cover the Hamiltonian formalism for Einstein gravity and the notion of asymptotic symmetry. In particular, I will show how the 3 dimensional gravity yields a non-trivial central extension of the asymptotic symmetry algebra.

This seminar is part of the NSF/UCSB 'Research Training Group' in Topology and Geometry. Information about future meetings can be found at http://www.math.ucsb.edu/~drm/GTPseminar/