DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, OCTOBER 7 & 14
COMMUNICATIONS 228
3:45 PM

Volume Invariants and Anomalies for Conformally Compact Einstein Metrics I & II

C. ROBIN GRAHAM
(UW)

These talks will describe recent progress in defining a renormalized volume for conformally compact Einstein manifolds, and for minimal submanifolds of conformally compact Einstein manifolds. The possibility of doing this is suggested by recent ideas and developments in string theory. The first talk will describe work of Henningson and Skenderis for the conformally compact Einstein manifold case, and the second talk will describe joint work with Edward Witten for minimal submanifolds.

For more information about this seminar, view the Differential Geometry/PDE Seminar World-Wide Web page at `http://www.math.washington.edu/DGPDE/dg.html` or from the **Seminars, Colloquia, and Conferences** section of the Math Department home page.