

DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, JANUARY 19, 2005

PADELFORD C-36

3:50 PM

An eta invariant of Cauchy-Riemann manifolds, and applications

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The eta invariant is a conformal invariant of 3-manifolds, relating Riemannian geometry, topology and spectral theory. I shall explain how an analogous invariant can be constructed for strictly pseudoconvex CR manifolds, following a general philosophy on relations between conformal invariants and Einstein metrics. I shall discuss applications to filling CR manifolds and relations with spectral theory.

For more information about this seminar, visit the DG/PDE Seminar Web page (from the Math Department home page, www.math.washington.edu, follow the link **Seminars, Colloquia, and Conferences**).

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