DIFFERENTIAL GEOMETRY/PDE SEMINAR

Wednesday, October 28, 2009
Padelford C-36
4PM–5PM

Quadratic invariants of conformal structures

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The first aim of the Fefferman-Graham ambient metric construction was to write down all scalar invariants of conformal structures. For odd dimensions, the aim was achieved with the aid of the parabolic invariant theory by Bailey, Eastwood and Graham. In this talk I will explain how far we can extend the result for even dimensions. In particular I will write down a complete list of conformal invariants of degree 2 in all dimensions. This is joint work with Robin Graham.

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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