

# DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, JANUARY 9, 2013

PADELDFORD C-36

3:50PM–5PM

The logarithmic singularities of the Green functions of the conformal powers of the Laplacian

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Green functions play an important role in conformal geometry. In this talk, we shall explain how to compute explicitly the logarithmic singularities of the Green functions of the conformal powers of the Laplacian, including the Yamabe and Paneitz operators and the conformal fractional powers of the Laplacian arising from scattering theory. The results are formulated in terms of Weyl conformal invariants defined by means of the ambient metric of Fefferman-Graham.

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

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