

DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, OCTOBER 6, 2004

PADEL FORD C-36

3:50 PM

Dirichlet-to-Neumann Map for Poincaré-Einstein Metrics

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The recent regularity theorem of Chruściel, Delay, Lee, and Skinner allows one to define an analogue of a Dirichlet to Neumann map for Poincaré-Einstein metrics (also known as asymptotically hyperbolic or conformally compact Einstein metrics). This talk will report on work in progress in understanding this map in even interior dimensions near the sphere, including explicit identification of its linearization at the sphere and consequences thereof.

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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