

DIFFERENTIAL GEOMETRY/PDE/IP SEMINAR

TUESDAY, JUNE 1, 2010

PADELDFORD C-401

2:30–3:30PM

Wave propagation on asymptotically de Sitter and Anti-de Sitter spaces

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In this talk I describe the behavior of solutions of the wave equation on asymptotically De Sitter and Anti-de Sitter spaces. De Sitter and AdS spaces are Lorentzian analogues of hyperbolic space. This work is thus part of a larger program to analyze wave-like equations on non-product, non-compact manifolds, similarly to how various types of ‘ends’ have been studied for the Laplacian and other elliptic operators on Riemannian manifolds.

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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