

DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, NOVEMBER 14, 2012

PADELDFORD C-36

3:50PM–5PM

Dirac type operators and conformal invariance

John Ryan

(U OF ARKANSAS)

We shall introduce a number of standard type second order differential operators including the Laplacian in Euclidean space, the p -Laplacian and the Yamabe operator on the unit sphere. We shall show that lurking behind each of these operators is a first order Dirac type operator, and that each of these operators have a conformal invariance. Basic properties will be described.

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**).