Seminar

Prof. Luc Nguyen

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Existence and uniqueness of Green's functions to a nonlinear Yamabe problem

Monday, August 14, 2017

at 13:00 h

ESI, Boltzmann Lecture Hall

Abstract: The Yamabe problem asks to find in a conformal class of metrics on a compact manifold M a metric of constant scalar curvature. In this context, the Green's function with a given pole p in M corresponds to a complete asymptotically flat metric of zero scalar curvature on M - p. We discuss existence and uniqueness of similar objects when the scalar curvature is replaced by other fully nonlinear conformal curvature quantities.

P. Chruściel

August 10, 2017