

abstract

GEOMETRIC PDE SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

The first aim of Fefferman-Graham ambient metric construction was to write down all scalar invariants of conformal structures. For odd dimensions, the aim was achieved with the aid of the parabolic invariant theory by Bailey, Eastwood and Graham. In this talk I will explain how far we can extend the result for even dimension. The main tool is the inhomogeneous ambient metric and the jet isomorphism theorem. In particular, I give a construction of all conformal invariants in dimensions 4, 6 and 8. This is a joint work with Robin Graham.