Seminario di Analisi

Dipartimento di Matematica e Applicazioni "Renato Caccioppoli" Università degli Studi di Napoli "Federico II"

Mercoledì 15 Aprile 2015 – Sala Professori I Livello, h. 15.00

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TITOLO : HIGHER ORDER GEOMETRIC PROBLEMS

ABSTRACT. In this talk I will review some works concerning higher order geometric problems. These higher order problems are natural extensions of well–studied second order problems (Yamabe problem, Ricci flow...). As we will see, there are many applications and I will focus on some of them, emphasizing the difficulties that appear in this setting. The talk is aimed at non–specialists and only require very few familiarity with Riemannian geometry: most of the tools are analytical arguments and classical PDE methods.

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