

Partial scalar curvatures and topological obstructions for submanifolds

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ABSTRACT

One of the fundamental problems in differential geometry is the investigation of the interplay between geometry and topology of Riemannian manifolds. In the talk, I will present how the above problem comes naturally into play from the point of view of submanifold theory and I will discuss some recent results. This is a joint work with Kleantlis Polymerakis (University of Ioannina) and Theodoros Vlachos (University of Ioannina).