





UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH

Barcelona Analysis Seminar

Date: Thursday May 15, 2025Time: 15:00 CETRoom: UB iA (Universitat de Barcelona)

On the existence and classification of k-Yamabe gradient solitons

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The k-Yamabe problem is a fully non-linear extension of the classical Yamabe problem that seeks for metrics of constant k-curvature. In this talk I will discuss this equation from the point of view of geometric flows and provide existence and classification results for soliton solutions of the k-Yamabe flow in the positive cone.

This is joint work with Maria Fernanda Espinal

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