Contribution ID: **11**   Type: **not specified**

On the existence and classification of k-Yamabe gradient solitons

Thursday, 26 June 2025 15:30 (1 hour)

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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