



UNIVERSIDAD DE GRANADA

Departamento de
Geometría y Topología

Existence of isoperimetric regions in sub-Finsler nilpotent groups

Desde el Vie, 16/04/2021 - 13:00

Novedades

Julián Pozuelo (Universidad de Granada)

We consider a nilpotent Lie group with a bracket-generating distribution H and an asymmetric left-invariant norm $\|\cdot\|$ induced by a convex body K in H containing 0 in its interior. In this talk, we will associate a left-invariant perimeter functional P to K following De Giorgi's definition of perimeter and prove the existence of minimizers of P under a volume (Haar measure) constraint. We will also discuss some properties of the isoperimetric regions and the isoperimetric profile.

Sala CURIE UGR (virtual)

Password: 182335

