

SEMINÁRIO DE GEOMETRIA

Dia 14 Junho (sexta-feira), às 13h30, sala 6.2.33

Extremizing the ground state under symmetries

Rosa Sena-Dias
(IST)

Abstract:

In this talk we will discuss some aspects of the problem of finding critical points of λ_1 and its invariant cousin restricted to a special set of metrics, to be specific, the set of *toric Kähler metrics* on a toric manifold.

We will start by reviewing some classical results on bounding and extremizing λ_1 and then we proceed to describe the setting in which we want to work, namely, that of toric Kähler manifolds. In this setting we discuss some recent results on boundeness of λ_1 and non-existence of critical points for the invariant λ_1^T .

Seminário financiado por Fundos Nacionais através da FCT – Fundação para a Ciência e a Tecnologia no âmbito do projeto UID/MAT/04561/2019

