Geometry Session

Deformations of the σ_2-curvature and volume

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14h - 14h40

Math Department - SALA B

Abstract.

In this talk, we show some results about deformations of the σ_2-curvature and volume. In particular, for closed manifolds, we relate critical points of the total σ_2-curvature functional to σ_2-Einstein metrics. This is part of a joint work with A. Silva Santos (UFS) and T. Cruz (UFAL).