



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI GEOMETRIA

Venerdì 17 maggio 2019

ore 13:30

Scuola Normale Superiore

Pisa

Aula Bianchi Lettere

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Terrà un seminario dal titolo:

“Minimal Hypersurfaces in compact symmetric spaces”

Abstract:

A conjecture of Marquez-Neves-Schoen says that for every embedded minimal hypersurface M in a manifold of positive Ricci curvature, the first Betti number of M is bounded above linearly by the index of M . We will show that for every compact symmetric space this result holds, up to replacing the index of M with its extended index (index plus nullity). Moreover, we provide families of examples for which the actual conjecture holds for an open set of metrics. These results are joint works with R. Mendes and C. Gorodski.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze