Seminario de Geometría y Topología

UNIVERSIDAD COMPLUTENSE MADRID

New results for minimal submanifolds in Riemannian manifolds

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Resumen:

In this talk we provide several uniqueness and non-existence of mini mal submanifolds in certain class of Riemannian manifolds. In fact, we will assume that the manifold admits a distinguished closed vector field whose covariant derivative is a semi-definite tensor field. We will show that several important families of Riemannian manifolds lies in this class, for instance, the Cartan-Hadamard manifolds. Applications to Geometric Analysis are also provided.

Lugar: **Universidad Complutense de Madrid**
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