

WORKSHOP ON SUBMANIFOLD THEORY AND GEOMETRIC ANALYSIS

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FRIDAY- 17:20h - 18:00h -AUDITÓRIO DO DM

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The functional L^2 -norm of the second fundamental form

ABSTRACT. We consider critical points of the functionals Π and Ψ defined as the global L^2 -norm of the second fundamental form and the traceless second fundamental form of isometric immersions of compact Riemannian manifolds into a background Riemannian manifold, respectively, as functionals over the space of deformations of the immersion. We will discuss the properties of their critical points in some special cases.

Support:



Organizers:

