

WORKSHOP ON SUBMANIFOLD THEORY AND GEOMETRIC ANALYSIS

UFSCAR, SÃO CARLOS, BRAZIL, AUGUST 05 – 09, 2019

WEDNESDAY- 9h - 9:50h -AUDITÓRIO DO DM

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Lower bounds for the stability index of constant mean curvature
surfaces

ABSTRACT. We prove that the stability index of a compact constant mean curvature (CMC) surface in the Euclidean space or in the unit sphere is bounded from below by a linear function of its genus. We also will discuss some results in the case of free-boundary CMC surfaces in a mean convex body of \mathbb{R}^3 . These results are part of joint works with Darlan de Oliveira.

Support:



Organizers:

