

WORKSHOP ON SUBMANIFOLD THEORY AND GEOMETRIC ANALYSIS

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

WEDNESDAY- 16h - 16:50h -AUDITÓRIO DO DM

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Mean curvature flow of orbits of isometric actions

ABSTRACT. Given a proper isometric action on a compact manifold, we study the mean curvature flow equation with a principal orbit of this action as initial datum. We prove that any finite time singularity is a singular orbit, and the singularity is of type I. These results are proved in the more general context of Singular Riemannian foliations and generalize previous results of Liu and Terng, Pacini and Koike. This talk is based on a joint work with Prof. Marco Radeschi (Notre Dame) and is aimed at a broad audience of students, faculties and researchers.

Support:



Organizers:

