

1154-53-1796

Marcos M. Alexandrino* (malex@ime.usp.br), Instituto de Matemática e Estatística, São Paulo, SP 05508-090, Brazil. *On Mean curvature flow of Singular Riemannian foliations: Non compact cases.*

In this talk we discuss the mean curvature flow (MCF) of a regular leaf of a closed generalized isoparametric foliation as initial datum, generalizing previous results of Radeschi and first author. We show that, under bounded curvature conditions, any finite time singularity is a singular leaf, and the singularity is of type I. We also discuss the existence of basins of attraction, how cylinder structures can affect convergence of basic MCF of immersed submanifolds and make a few remarks on MCF of non closed leaves of generalized isoparametric foliation. This talk is based on a joint work with Leonardo F. Cavenaghi, Icaro Gonçalves (see preprint [arXiv:1909.04201](https://arxiv.org/abs/1909.04201)) (Received September 16, 2019)