Geometi



Horizontal mean curvature flow: a Riemannian approximation

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In this talk I will give a brief overview on the evolution by horizontal mean curvature flow (i.e. the evolution in sub-Riemannian geometries) and compare that with the corresponding Euclidean and Riemannian evolutions. I will briefly introduce two methods for proving existence: the stochastic representation formula and the Riemannian approximation, showing then some connections between the two methods. The results are from a series of works, in collaboration with Nicolas Dirr, Raffaele Grande and Max von Renesse.