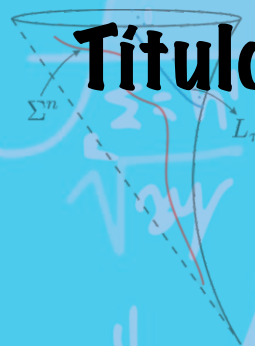
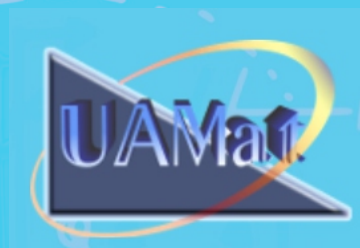




Universidade Federal de Campina Grande
Centro de Ciências e Tecnologia
1 Escola de Inverno em Geometria Diferencial



Título: “Two-sided hypersurfaces, entire Killing graphs and the mean curvature equation in warped products with density.”

Palestrante: André Felipe Araujo Ramalho

Resumo: Our purpose is to obtain uniqueness results related to the mean curvature equation for entire Killing graphs constructed over the base $\mathbb{P}^n$ of a warped product of the type $\mathbb{P}_f^n \times_\rho \mathbb{R}$ with warping function ρ and density f . For this, we establish a suitable f -parabolicity criterion and, under appropriate constraints on the Bakry-Émery-Ricci tensor and on the f -mean curvature, we prove some rigidity results concerning two-sided hypersurfaces immersed in $\mathbb{P}_f^n \times_\rho \mathbb{R}$.

Data: 23 de Julho de 2020 (Quinta Feira)

Link: meet.google.com/zyx-doud-fnf

Data: 10:00

