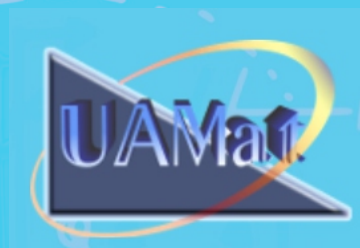




Universidade Federal de Campina Grande
Centro de Ciências e Tecnologia
1 Escola de Inverno em Geometria Diferencial



Título: “Sharp bounds for the norm of the second fundamental form of a class of Weingarten hypersurfaces”

Palestrante: Prof. Dr. Eudes Leite de Lima

Resumo: We provide sharp bounds for the squared norm of the second fundamental form of a wide class of Weingarten hypersurfaces in Euclidean space satisfying $H_r = aH + b$ for constants $a, b \in \mathbb{R}$, where H_r stands for the r -th mean curvature and H the mean curvature of the hypersurface. Moreover, we are able to characterize those hypersurfaces where these bounds are attained by showing that it must be a cylinder of the type $\mathbb{R} \times \mathbb{S}^{n-1}(\rho)$.

Data: 30 de Julho de 2020 (Quinta Feira)

Link: meet.google.com/ajo-sptg-ugv

Data: 10:00

