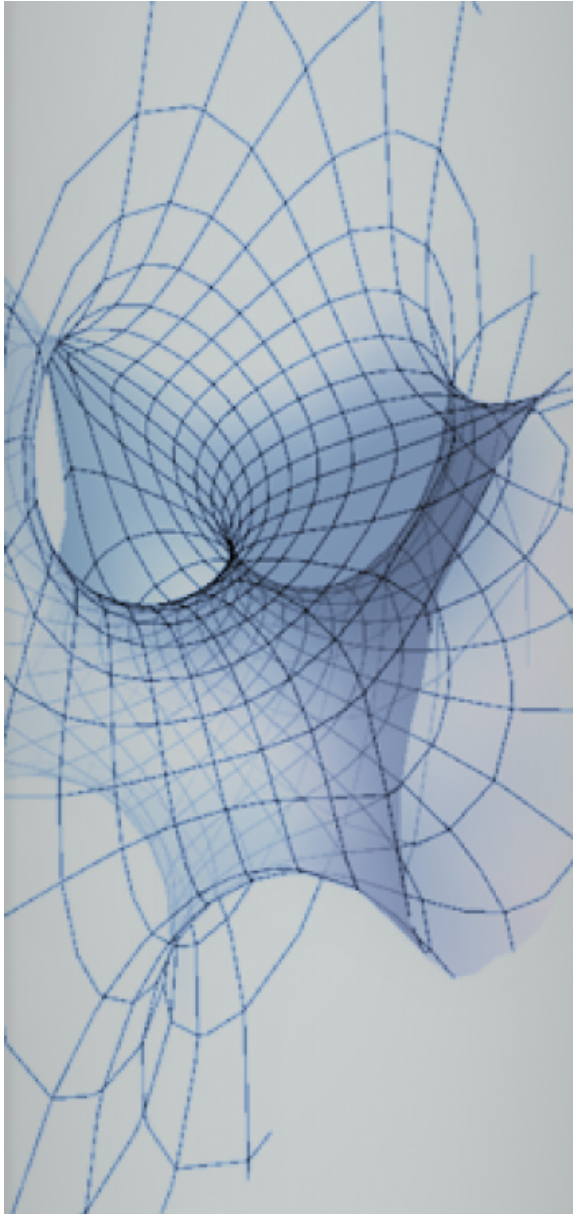


SEMINÁRIO DE GEOMETRIA DIFERENCIAL

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PÚBLICO ALVO: PESQUISADORES
E ESTUDANTES DE PÓS GRADUAÇÃO

PALESTRANTE

Alberto Cerezo Cid - Universidad
de Granada

Free boundary minimal and CMC annuli in space forms.

We construct embedded CMC annuli with free boundary in the unit ball of \mathbb{R}^3 , giving a negative answer to a question posed by Wente in 1995. They constitute the first annular solutions to the partitioning problem in the Euclidean ball that are not rotational. Moreover, we extend this result by constructing examples of free boundary minimal and CMC annuli in geodesic balls of the space forms S^3 and \mathbb{H}^3 .

This is a joint work with Isabel Fernández and Pablo Mira.

LOCAL

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CONTATO

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14 JUN · 2024

14:00 h