



# SEMINÁRIO DE EQUAÇÕES DIFERENCIAIS

Smooth compactness of  $f$ -Minimal Hypersurfaces with bounded  
 $f$ -index

**Ezequiel Rodrigues Barbosa**

UFMG

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**Abstract:** In this talk, we will present a compactness result related to  $f$ -minimal hypersurfaces with bounded  $f$ -index. That kind of result is connected with the analysis of self-shrinkers in Euclidean spaces.