

UNIVERSIDADE FEDERAL DE SÃO CARLOS  
DEPARTAMENTO DE MATEMÁTICA

COLÓQUIO 2015

Giovany M. Figueiredo  
(UFPA)

Falará sobre

Nehari method for locally Lipschitz functionals with  
examples in problems on the space of bounded variation  
functions

In this work we prove some abstract results about the existence of a minimizer for locally Lipschitz functionals, without any assumption of homogeneity, over a set which has its definition inspired in the Nehari manifold. As applications we present a result of existence of ground state bounded variation solutions of problems involving the 1-Laplacian and the mean-curvature operator, where the nonlinearity satisfy mild assumptions.

Terça-feira, 22 de março, às 10h no Auditório