



Faculdade de Ciências da Universidade de Lisboa cmafcio@fc.ul.pt Tel. (+351) 21 750 00 27

SEMINÁRIO DE ANÁLISE E EQUAÇÕES DIFERENCIAIS

Dia 8 de Junho (quinta-feira), às 13h30, sala 6.2.33

Non-local quantities and their application

Marco Caroccia (CNA, Carnegie Melon University, Pittsburgh, USA)

Abstract:

Non-local quantities and fractional Sobolev norms has received an incresing amount of attention in the last decade due to the interesting property they present and their various application in different fields, from graph theory to PDEs. In the first part of the talk I will introduce these topics by starting with a general overview on such quantities and by talking about the state of arts. Then in the second part of my seminar I will talk about two results obtained in collaboration with Dejan Slepcev and Matteo Rinaldi, involving a non-local version of Mumford-Shah functional for graph and the non-local perimeter.

Seminário financiado por Fundos Nacionais através da FCT – Fundação para a Ciência e a Tecnologia no âmbito do projeto UID/MAT/04561/2013



Local: FCUL - Edf. C6 - Piso 2, 6.2.33

FCT Fundação para a Ciência e a Tecnologia MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR