

UNIVERSIDADE FEDERAL DE SÃO CARLOS
DEPARTAMENTO DE MATEMÁTICA

COLÓQUIOS DO VERÃO

Irina Mitrea
(Temple University, USA)

Falará sobre

The Dirichlet problem for elliptic systems with data in Kothe function spaces

In this talk I will discuss well-posedness results for the Dirichlet problem for second-order, homogeneous, elliptic systems, with constant complex coefficients, in the upper half space, with boundary data from Lebesgue spaces, variable exponent Lebesgue spaces, Lorentz spaces, Zygmund spaces, as well as their weighted versions. A key tool in this analysis is establishing boundedness of the Hardy-Littlewood maximal operator on appropriate Kothe function spaces. This is joint work with Dorina Mitrea, Marius Mitrea, and Jose Maria Martell.

Quarta-feira, 8 de fevereiro, às 9h no Auditório