

Seminari Informal de Matemàtiques de Barcelona

Data: dilluns, 17 de febrer de 2014.
Horari: 18:00, Martin Křepela.
18:30, Coffee Break.
18:45, Filip Soudský.
Lloc: Aula IMUB (al terrat), Facultat de Matemàtiques de la UB.

Speakers: Martin Křepela.
Universitat: Karsltad University/Charles University.
Títol: Convolution in weighted Lorentz spaces.

Resum:

Considering a convolution operator with a general kernel, I will show a characterization of its boundedness between various Lorentz spaces with general weights. As a by-product, one also gets certain convolution inequalities of Young's type. The proof technique is based on the classical O'Neil's estimate for convolution operators and reformulating of the problem by weighted Hardy inequalities.

Speakers: Filip Soudský.
Universitat: Charles University.
Títol: Normability of Lorentz spaces - Duality approach.

Resum:

Classical Lorentz spaces of the type Λ first appeared in 1951. They have been intensively studied since then. In this talk we shall consider the question of normability of these spaces, and give an outline of an alternative proof of the classical Sawyer's equivalent condition for normability.

Qui som? El SIMBa és un seminari jove organitzat per estudiants de doctorat de matemàtiques. Està dirigit a estudiants de doctorat, de màster i, fins i tot, dels darrers cursos de grau. El nostre objectiu és donar a conèixer la recerca que estem fent, així com adquirir coneixements d'altres àrees de les matemàtiques diferents de la pròpia.

Més informació a www.ub.edu/simba.