Conferencia

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"Optimal embeddings of generalized Besov spaces"

ABSTRACT:

We consider the generalized homogeneous Besov spaces $b^k(E, F)$, consisting of Lebesgue measurable functions in $\mathbf{R}^n$, such that the corresponding modulus of continuity $\omega_E^k(t, f) \in F$, where E is a rearrangement invariant Banach space.
For example, if $E = L^r, F = L_*^q(t^{-s}), 0 < s < k,$ then we get the classical homogeneous Besov space $b_{r,q}^s$. Optimal embeddings are proved in the subcritical, critical and supercritical cases.

Organized by Interdisciplinary Mathematics Institute

Jueves, 13 de octubre de 2011, a las 13:00 horas
Seminario 222
Facultad de Ciencias Matemáticas, UCM