

Javier Duoandikoetxea

University of the Basque Country (UPV/EHU), Spain

Morrey spaces and A_p weights: embeddings and extrapolation

Operators satisfying the hypotheses of the extrapolation theorem for A_p weights are well defined and bounded on weighted Morrey spaces. For the definition of the operators we prove continuous embeddings of the Morrey spaces into weighted Lebesgue spaces and for the boundedness we use extrapolation techniques. On the whole, we obtain a very general result which can be applied to many operators, providing also vector-valued inequalities in Morrey spaces. This is joint work with Marcel Rosenthal.