A_∞ ESTIMATES VIA EXTRAPOLATION OF CARLESON MEASURES

We discuss joint work with J.-M. Martell, in which we formalize the "extrapolation" technique of John Lewis to give a general criterion for deducing that a weight satisfies a Reverse Hölder estimate, given appropriate control by a Carleson measure. To illustrate the applicability of this criterion, we reprove the well known theorem of R. Fefferman, C. Kenig and J. Pipher concerning the solvability of the Dirichlet problem.