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Barcelona Analysis Seminar2021–2022URL (provisional). https://sites.google.com/view/seminari-analisi-barcelona/2021-2022Date. February 21, 2022Time. 15:00 CETRoom. CRM A1 (Universitat Autònoma de Barcelona)Online streaming (Microsoft Teams). Click here to join.

Reduction theorems and Hardy inequalities

Miquel Saucedo

Universitat de Barcelona

Following Sawyer's (and his successors') results, we describe a correspondence between inequalities given by positive operators for monotonic and positive sequences/functions, i.e., reduction theorems. As an application of this technique, we give short proofs of several instances of the Hardy inequality for averages.