WEIGHTED ITERATED DISCRETE HARDY–TYPE INEQUALITIES

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Abstract. Necessary and sufficient conditions on functions \( u \) and \( \omega \) are established ensuring boundedness of a discrete Hardy-type operator from a weighted sequence space \( l_{p,u} \) to a weighted sequence space for a wide range of the numerical parameters \( p, u \) and \( \theta \).


Keywords and phrases: Inequalities, Hardy-type operator, weights, discrete Lebesgue spaces, characterizations.

REFERENCES