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Embeddings between weighted Cesàro function spaces. (English) Zbl 07284493
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Summary: In this paper, we give the characterization of the embeddings between weighted Cesàro function spaces. The proof is based on the duality technique, which reduces this problem to the characterizations of some direct and reverse Hardy-type inequalities and iterated Hardy-type inequalities.

MSC:

- 46E30 Spaces of measurable functions (L^p -spaces, Orlicz spaces, Köthe function spaces, Lorentz spaces, rearrangement invariant spaces, ideal spaces, etc.)
- 26D10 Inequalities involving derivatives and differential and integral operators
- 47G10 Integral operators
- 47B38 Linear operators on function spaces (general)

Keywords:

Cesàro and Copson function spaces; embeddings; weighted inequalities; Hardy and Copson operators; iterated operators

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