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Abstracts of Short Communications and Posters

Section:

8. Analysis

1991 MS Classification:
Semenov, E. M., and F. L. Hernández

Disjoint Systems and Complemented Subspaces in Rearrangement Invariant Spaces

The class N of all those rearrangement invariant spaces is studied on $[0,\infty)$ for which all sublattices generated by disjoint shifts of a single element are complemented. The class N is stable with respect to the complex interpolation method but is not with respect to the real method. A Lorentz space $L_{p,q}$ belongs to N iff $1 \leq q \leq p$. Properties of the class N are investigated.