INTERPOLATION OF COMPACT OPERATORS
IN SPACES OF MEASURABLE FUNCTIONS

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Abstract. It is shown that one-sided interpolation of compactness property is possible by any method on the class of pseudo-lattices, i.e., spaces of measurable functions, where the operators $PDf = f \chi_D$ are uniformly bounded. Analogous results are shown for sequence spaces, ordered quasinormed Abelian groups and even extended to abstract Banach couples, satisfying some weak approximation hypothesis.


Key words and phrases: Interpolation, compact operators, lattice, approximation hypothesis.

REFERENCES