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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 $P_D f = f\chi_D$ 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*.

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