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Measure of non-compactness and real interpolation of Banach triples. (English)

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Summary: We investigate the behaviour under real interpolation for Banach triples of the measure $\beta(T)$ of non-compactness of an operator T . We begin with the case when one of the triples is reduced to a single Banach space and later we treat the general case.

MSC:

46M35 Abstract interpolation of topological vector spaces

46B70 Interpolation between normed linear spaces

Keywords:

interpolation methods; interpolation of compact operators