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Entropy numbers of interpolation operators. (English) Zbl 1199.46164

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Summary: We establish an estimate for entropy numbers of the interpolation operator in the multidimensional case. We also analyze the interpolation property of the entropy ideal.

MSC:

46M35 Abstract interpolation of topological vector spaces

47B06 Riesz operators; eigenvalue distributions; approximation numbers, s -numbers, Kolmogorov numbers, entropy numbers, etc. of operators

Keywords:

interpolation spaces; entropy numbers; operator ideals