

Asymptotic behaviour of factorization and projection constants

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During this talk we present upper bounds of the Hilbertian norm of projections on finite-dimensional subspaces of interpolation spaces generated by certain abstract interpolation functors and show applications to Calderón-Lozanovskii spaces. We prove estimates of the p -factorization norm and projection constants for finite-dimensional Banach lattices. We specialize our results to a class of n -dimensional symmetric Banach spaces E_n and are able to show that the projection constant $\lambda(E_n)$ satisfy $\lim_{n \rightarrow \infty} \lambda(E_n)/\sqrt{n} = c$, where $c = \sqrt{2/\pi}$ in the real case and $c = \sqrt{\pi}/2$ in the complex case.