

# Interpolation of Fremlin tensor products and Schur factorization of matrices

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**Abstract.** We will discuss some recent work with Andreas Defant, concerning interpolation formulas for the Fremlin tensor product and spaces of regular multilinear forms and operators. We show applications to factorization of matrices with respect to the Schur product. Our results imply various abstract variants of Schur's classical result, and in particular we extend Pisier's converse for matrices in finite dimensional  $\ell_p$ -spaces to the setting of complex Calderón interpolation of finite dimensional Banach lattices.