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Orthogonally Additive Polynomials on Banach Lattices

This talk reports on joint work with G. Buskes. First we will give linearization of orthogonally additive n-homogeneous polynomials from a Banach lattice E to a Banach space Y through $\hat{\otimes}_{n,s,\pi}E/I_c$, the quotient of Banach space projective n-folder tensor product of E, and give linearization of regular orthogonally additive n-homogeneous polynomials from a Banach lattice E to a Banach lattice F through $\hat{\otimes}_{n,s,|\pi|}E/I_{oc}$, the quotient of Banach lattice projective n-folder tensor product of E. Then we will discuss the relationship beteween $\hat{\otimes}_{n,s,\pi}E/I_c$, $\hat{\otimes}_{n,s,|\pi|}E/I_{oc}$, and the n-concavification of E.