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Positive tensor products and homogeneous polynomials

This talk reports on joint work with Q. Bu. It presents the vector lattice aspects of (orthogonally additive) n -homogeneous polynomials on Banach lattices. The main avenue to study such polynomials will be via orthosymmetric maps and a quotient of the space of symmetric polynomials, as well as the linearization of these to the Fremlin tensor product.