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A Krein-Milman type theorem for C^ -algebras*

Positive unital maps between C^* -algebras form a convex set whose extreme points are unital $*$ -homomorphisms. K. Thomsen showed for a large class of homogeneous C^* -algebras that the closed convex hull of $*$ -homomorphisms is the set of unital positive maps. Later L. Li showed a major improvement of Thomsen's result which proved to be essential to the classification program for C^* -algebras. In our work, we plan to extend these results to certain subhomogeneous C^* -algebras.