

# KADISON'S THEOREM ON LINEAR ORDER ISOMORPHISMS OF $C^*$ -ALGEBRAS HOLDS WITHOUT THE ADDITIVITY ASSUMPTION

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Kadison's celebrated theorem describes the structure of linear order isomorphisms between the self-adjoint parts of  $C^*$ -algebras: every such map is implemented by an invertible element together with a Jordan  $*$ -isomorphism. In this talk, we present our remarkable result: the additivity assumption in Kadison's theorem can in fact be dropped.