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A noncommutative Bishop-de Leeuw theorem

Abstract

The Bishop-de Leeuw theorem asserts the equivalence of various sort of peaking phenomena for function spaces in $C(X)$. We discuss a noncommutative version of this theorem for an operator system S in $B(H)$ in terms of either the representations of $C*(S)$ or of $C_e^*(S)$. Under certain conditions on S, $C^*(S)$, or $C_e^*(S)$, we exhibit connections between Choquet points and noncommutative peak points.

Talk time: 07/22/2016 3:00PM— 07/22/2016 3:20PM
Talk location: Crow 206

Special Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.