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Choquet boundaries in an operator-theoretic framework

The notion of a noncommutative Choquet boundary originates with the seminal work by W. Arveson in the late 1960s, yet it was only in 2014 that one of the most fundamental issues concerning the noncommutative Choquet boundary was resolved (by Davidson and Kennedy, building on a 2008 advance made by Arveson). In this lecture I will give an overview of the noncommutative Choquet boundary and present some explicit computations in the case of low-dimensional operator systems.