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An infinite quantum Ramsey theorem

There are good reasons for viewing an operator system as a kind of “quantum” graph. For example, this perspective has proved important in the quantum information literature. Recently, motivated by a question of Severini, Weaver proved an analogue of the finite Ramsey theorem for operator systems. In this talk, I will discuss an analogue of the infinite Ramsey theorem for operator systems.

This is joint work with Taras Kolomatski and Daniel Spivak.