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*Can every k -tuple of commuting CP maps be dilated to a k -tuple of commuting *-endomorphisms?*

Can every k -tuple of commuting CP maps be dilated to a k -tuple of commuting *-endomorphisms? The answer is no. That has been suspected for at least a decade, but was resolved only recently. In my talk I will explain the question and the answer, and I will also explain that while this “no” has been the expected answer—it is still very surprising!

Based on joint work with Baruch Solel.