Characterization of affine automorphisms and ortho-order automorphisms of quantum probabilistic maps
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Abstract
In quantum mechanics, often it is important for the representation of quantum system to study the structure-preserving bijective maps of the quantum system. Such maps are also called isomorphisms or automorphisms. In this note, using the Uhlhorn-type of Wigner’s theorem, we characterize all affine automorphisms and ortho-order automorphisms of quantum probabilistic maps.

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