



**A GENERALIZATION OF UHLHORN'S VERSION OF
WIGNER'S THEOREM**

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Abstract

Certain operator structures play a fundamental role in the theory of quantum mechanics, such as the set of projections. In this paper, we give an analogue of Uhlhorn's version of Wigner's theorem on such operator structures for the monotone inner product associated with geometric mean.

Keywords and phrases: Wigner's theorem, monotone inner products, quantum states.

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