

Quantum Spectral Symmetries

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Abstract

© 2017 Springer Science+Business Media New York Quantum symmetries of spectral lattices are studied. Basic properties of spectral order on AW*-algebras are summarized. Connection between projection and spectral automorphisms is clarified by showing that, under mild conditions, any spectral automorphism is a composition of function calculus and Jordan *-automorphism. Complete description of quantum spectral symmetries on Type I and Type II AW*-factors are completely described.

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Keywords

AW -algebras *, Preserves, Spectral order