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Vector measures on the logic of J-projections of a krein space

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Abstract

Let $\mathcal{H}$ be a Hilbert space with an inner product $(.,.)\mathcal{H}$. In Jajte, R., and Paszkiewicz, A. (1978, Vector measure on the closed subspaces of a Hilbert space, Studia Mathematica 63, 229-251), the $\mathcal{H}$-measure on the logic of all orthogonal projections on $\mathcal{H}$ was studied. We examine the $\mathcal{H}$-measure on the hyperbolic logic of all J-projections on a Krein space. © Springer Science + Business Media, Inc. 2005.

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Keywords

Hilbert space, Indefinite metric space, Measure, Projection, Quantum logic