

A NOTE ON PRESERVERS OF PSEUDO SPECTRUM OF MATRIX PRODUCTS

MOHAMED BENDAOU, AYYOUB BENYOUNESS AND MUSTAPHA SARIH

Abstract. Let \mathcal{M}_2 be the algebra of 2×2 complex matrices. For $\varepsilon > 0$, complete descriptions are given of the maps of \mathcal{M}_2 leaving invariant the ε -pseudo spectrum of $A * B$, where $A * B$ stands either for the Jordan semi-triple product ABA or the skew product AB^* on matrices.

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