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# NORM ESTIMATES FOR FUNCTIONS OF TWO COMMUTING MATRICES*

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**Abstract.** Matrix valued analytic functions of two commuting matrices are considered. A precise norm estimate is established. As a particular case, the matrix valued functions of two matrices on tensor products of Euclidean spaces are explored.

**Key words.** Functions of commuting matrices, Norm estimate.

**AMS subject classifications.** 15A15, 15A54, 15A69, 15A60.

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