

## A NORM INEQUALITY FOR THREE REAL MATRICES

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*Abstract.* In this paper, we prove a norm inequality for three real  $2 \times 2$  matrices conjectured by L. László [3] recently, which is a generalization of the famous Böttcher-Wenzel inequality.

*Mathematics subject classification (2020):* 15A60, 15A45.

*Keywords and phrases:* Frobenius norm, Böttcher-Wenzel inequality, norm inequality.

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