

ON THE NUMERICAL RADIUS OF AN OPERATOR MATRIX

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Abstract. This paper investigates possible upper and lower bounds for the numerical radii of 2×2 operator matrices.

The obtained results improve and generalize many results from the literature in accessible forms. Moreover, many numerical examples will be given to support the feasibility of our findings.

Mathematics subject classification (2020): 47A12, 47A30, 15A60, 47B49.

Keywords and phrases: Numerical radius, operator norm, operator matrix, inequality, Cartesian decomposition.

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