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Some inequalities involving positive linear maps under certain conditions.  (English)

Summary: We demonstrate that several well-known classical inequalities also hold for some positive linear maps on matrix algebra. It is shown that for such maps the Jensen inequality hold for all ordinary convex functions.

MSC:
15A45  Miscellaneous inequalities involving matrices
47A63  Linear operator inequalities

Keywords:
unital positive linear maps; convex function; eigenvalues; Jensen inequality; Chebyshev inequality; Schwarz inequality

Full Text: DOI

References:

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