

## EIGENVALUES OF SUMS OF PSEUDO-HERMITIAN MATRICES\*

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**Abstract.** We study analogues of classical inequalities for the eigenvalues of sums of Hermitian matrices for the cone of admissible elements in the pseudo-Hermitian case. In particular, we obtain analogues of the Lidskii-Wielandt inequalities.

**Key words.** Eigenvalue, Pseudo-Hermitian, Admissible, Convexity.

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