

ON SYMMETRIC NORM INEQUALITIES AND POSITIVE DEFINITE BLOCK–MATRICES

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Abstract. The main purpose of this paper is to englobe some new and known types of positive semi definite matrices $M = \begin{pmatrix} A & X \\ X^* & B \end{pmatrix}$ satisfying or not the inequality $\|M\| \leq \|A + B\|$ for all symmetric norms.

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