

**Carlson, D.; Schneider, H.**

**Inertia theorems for matrices: the semidefinite case.** (English) Zbl 0192.13402

*J. Math. Anal. Appl.* 6, 430-446 (1963).

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**Keywords:**

linear algebra, forms

**Full Text:** [DOI](#)

**References:**

- [1] Gantmacher, F.R.; Gantmacher, F.R., ()
- [2] Sylvester, J.J; Sylvester, J.J; Sylvester, J.J, A demonstration of the theorem that every homogeneous quadratic polynomial is reducible by real orthogonal substitutions to the form of a sum of positive and negative squares, *Phil. mag., Phil. mag., Math. papers I*, 142, 378-381, (1904), Cambridge
- [3] Bellman, R, *Introduction to matrix analysis*, (1960), McGraw-Hill New York · [Zbl 0124.01001](#)
- [4] Lyapunov, A; Lyapunov, A, *Problème Général de la stabilité du mouvement*, (), (1892), 1893
- [5] Taussky, O, A remark on a theorem by Lyapunov, *J. math. anal. appl.*, 2, 105-107, (1961) · [Zbl 0158.28203](#)
- [6] Taussky, O, A generalization of a theorem by Lyapunov, *J. soc. ind. appl. math.*, 9, 640-643, (1961) · [Zbl 0108.01202](#)
- [7] Ostrowski, A; Schneider, H, Some theorems on the inertia of general matrices, *J. math. anal. appl.*, 4, 72-84, (1962) · [Zbl 0112.01401](#)
- [8] Givens, W, Elementary divisors and some properties of the Lyapunov mapping  $\$X \rightarrow AX + XA^{\wedge}\{\{*\}\}$, Argonne natl. lab. report ANL-6546, (1961)$
- [9] Cauchy, A, *Sur l'équation à l'aide de laquelle on détermine LES inégalités séculaires des mouvements des planètes*, *Oeuvres complètes*, iie série, 9, 174-195, (1829)
- [10] Beckenbach, E.F; Bellman, R, *Inequalities*, *Ergeb. math. u. grenzg. N.F.*, 30, (1961) · [Zbl 0513.26003](#)
- [11] Hamburger, H.L; Grimshaw, M.E, *Linear transformations in  $\textit{n}$ -dimensional vector space*, (1951), Cambridge Univ. Press Cambridge · [Zbl 0043.32504](#)

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