

INVARIANCE OF TOTAL NONNEGATIVITY OF A TRIDIAGONAL MATRIX UNDER ELEMENT-WISE PERTURBATION

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Abstract. Tridiagonal matrices are considered which are totally nonnegative, i. e., all their minors are nonnegative. The largest amount is given by which the single entries of such a matrix can be perturbed without losing the property of total nonnegativity.

Mathematics subject classification (2010): 15A48, 15A57, 15A42.

Keywords and phrases: Totally nonnegative matrix, tridiagonal matrix, element-wise perturbation, determinantal inequalities.

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