

A GENERALIZATION OF S -NEKRASOV MATRICES

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Abstract. The class of H -matrices plays an important role in various scientific disciplines. In this paper, we introduce a new subclass of H -matrices, called generalized S -Nekrasov matrices. We prove that this class contains the class of S -Nekrasov matrices. We also present a sufficient condition for a weak Nekrasov matrix to be an H -matrix.

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