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ON PROPERTIES OF SOME MATRIX SPLITTINGS*

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Abstract. Properties of some splittings of a monotone matrix A are discussed. These properties are fundamental hypotheses in the proofs of comparison theorems. This fact is illustrated by several results given in the literature.

Key words. Systems of linear equations, convergence conditions, comparison theorems, nonnegative splittings, weak nonnegative splittings, weak splittings, weaker splittings.

AMS subject classifications. 65C20, 65F10, 65F15

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