# POSITIVE SPLITTINGS OF MATRICES AND THEIR NONNEGATIVE MOORE-PENROSE INVERSES 

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#### Abstract

In this short note we study necessary and sufficient conditions for the nonnegativity of the Moore-Penrose inverse of a real matrix in terms of certain spectral property shared by all positive splittings of the given matrix.

Keywords: Moore-Penrose inverse, positive splitting. 2000 Mathematics Subject Classification: 47B37, 15A09.


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