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On the Block Independence in g -Inverse and Reflexive Inner Inverse of A Partitioned Matrix

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摘要

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Abstract By applying the multiple quotient singular value decomposition QQQQQ-SVD, we study the block independence in g -inverse and reflexive inner inverse of 2×2 partitioned matrices, and prove a conjecture in [Yiju Wang, {SIAM J. Matrix Anal. Appl.} 19(2), 407--415(1998)].

Key words [g-inverse](#) [reflexive inner inverse](#) [partitioned matrices](#) [block independence](#) [QQQQQ-SVD](#)

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