

TRACE INEQUALITIES RELATED TO 2×2 BLOCK SECTOR MATRICES

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Abstract. We extend several trace inequalities for 2×2 block positive semi-definite matrices to the class of matrices whose numerical range is contained in a sector. In the meanwhile, some related results are obtained.

Mathematics subject classification (2020): 15A15, 15A42, 15A45.

Keywords and phrases: Block sector matrix, trace inequality, sector partial transpose.

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