

A NECESSARY AND SUFFICIENT CONDITION FOR POSITIVITY OF LINEAR MAPS ON M_4 CONSTRUCTED FROM PERMUTATION PAIRS

HAILI ZHAO AND JINCHUAN HOU

Abstract. A necessary and sufficient condition for a D -type map Φ_{π_1, π_2} on 4×4 matrices constructed from a pair of arbitrary permutations $\{\pi_1, \pi_2\}$ to be positive is obtained.

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