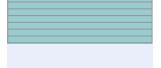
Some inequalities on weighted means and traces defined on second-order cone (LNA





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Some inequalities on weighted means and traces defined on second-order cone

Chien-Hao Huang, Yu-Lin Chang and Jein-Shan Chen



ABSTRACT. In this paper, we set up the concepts of some weighted means associated with second-order cone. Then, we achieve a few inequalities on the new-extended weighted means and their corresponding traces associated with second-order cone. As a byproduct, a version of Powers-Størmer's inequality is established.

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