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A Generalization Of An Inequality Of Jia And Cau

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Abstract: Let L , H_r , and A_s stand for the logarithmic mean, the Heronian mean of order r , and the power mean of order s , of two positive variables. A generalization of the inequality

$$L \leq H_r \leq A_s$$

$(1/2 \leq r \leq 3s/2)$, of G. Jia and J. Cao ([3]), is obtained.

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