THE $t$-MODIFICATION OF HOMOGENEOUS SYMMETRIC MEANS CONCERNING COMPLETE ELLIPTIC INTEGRALS

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Abstract. In the article, we establish a monotonicity criterion for the $t$-modification of homogeneous symmetric mean, and provide several novel inequalities for certain homogeneous symmetric means concerning the complete elliptic integrals. Besides, we also give the answer to a conjecture recently proposed by Nishimura.

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REFERENCES


