SOME BOUNDS FOR THE COMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS

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Abstract. In the article, the complete elliptic integrals of the first and second kinds are bounded by using the power series expansions of some functions, the celebrated Wallis inequality, and an integral inequality due to R. P. Agarwal, P. Cerone, S. S. Dragomir and F. Qi.


Keywords and phrases: Bounds, inequality, complete elliptic integral, the first kind, the second kind, Wallis formula, integral inequality.

REFERENCES


