Improvements of Euler-Trapezoidal Type Inequalities with Higher-Order Convexity and Applications

Authors:	**Dah-Yan Hwang**,

Abstract:

We improve a bounds relating to Euler's formula for the case of a function with higher-order convexity properties. These are used to improve estimates of the error involved in the use of the trapezoidal formula for integrating such a function.

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