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A Perturbed Version of the Ostrowski Inequality for Twice Differentiable Mappings

A. SOFO, S. S. DRAGOMIR
School of Communications and Informatics
Victoria University of Technology
PO Box 14428, Melbourne City MC
Victoria 8001, AUSTRALIA

Abstract: A generalisation of a perturbed version of the Ostrowski inequality for twice differentiable mappings is studied. It is shown that the error bounds are better than those obtained previously. Applications for general quadrature formulae are also given.

Key Words: Ostrowski Integral Inequality, Quadrature Formulae.