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Some Ostrowski type inequalities. (English) [Zbl 1156.26305](#)
Math. Comput. Modelling 48, No. 5-6, 949-960 (2008).

Summary: Some new Ostrowski type inequalities are established by estimating the error bounds in terms of a variety of norms. Special cases are discussed.

MSC:

[26D15](#) Inequalities for sums, series and integrals
[65D30](#) Numerical integration

Cited in **1** Review
Cited in **26** Documents

Keywords:

Ostrowski type inequality; Cauchy-Schwarz inequality; absolutely continuous; continuous function of bounded variation

Full Text: [DOI](#)

References:

- [1] Cerone, P.; Dragomir, S.S., Three point quadrature rules involving, at most, a first derivative, *RGMA res. rep. coll.*, 2, 4, (1999), Article 8
- [2] Cerone, P.; Dragomir, S.S.; Roumeliotis, J., An inequality of Ostrowski type for mappings whose second derivatives are bounded and applications, *RGMA res. rep. coll.*, 1, 1, (1998), Article 4 · [Zbl 0957.41024](#)
- [3] Dragomir, S.S.; Cerone, P.; Roumeliotis, J., A new generalization of ostrowski's integral inequality for mappings whose derivatives are bounded and applications in numerical integration and for special means, *Appl. math. lett.*, 13, 19-25, (2000) · [Zbl 0946.26013](#)
- [4] Dragomir, S.S.; Sofo, A., An integral inequality for twice differentiable mappings and applications, *Tamkang J. math.*, 31, 4, 257-266, (2000) · [Zbl 0974.26009](#)

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