

ON AN OSTROWSKI TYPE INEQUALITY FOR A RANDOM VARIABLE

I. BRNETIĆ AND J. PEČARIĆ

Abstract. An Ostrowski's type inequality for a random variable is improved and one application is given.

Mathematics subject classification (1991): 26D15.

Key words and phrases: Ostrowski's type inequality, Beta random variable.

REFERENCES

- [1] S. S. DRAGOMIR, N. S. BARNETT AND S. WANG, *An Ostrowski type Inequality for a Random Variable Whose Probability Density Function Belongs to $L_p[a, b]$, $p > 1$* , *Math.Inequal.Appl.* **2** (1999), 501-508.
- [2] A. M. FINK, *Bounds on the Deviation of a Function from its Averages*, *Czechoslovak Math.J.* **42** (1992), 289-310.
- [3] D. S. MITRINOVIĆ, J. E. PEČARIĆ AND A. M. FINK, *Inequalities Involving Functions and Their Integrals and Derivatives*, Kluwer Academic Publishers, Dordrecht, Boston, London, 1991.