CREATIVE MATH. & INF.
17 (2008), No. 2, 147 - 152

Online version available at http://creative-mathematics.ubm.ro/
Print Edition: ISSN 1584 - 286X Online Edition: ISSN 1843 - 441X

On the Lupaş functional for twice differentiable functions

VLAD CIOBOTARIU-BOER

ABSTRACT.

In this paper, some integral inequalities that imply the Chebyshev functional for convex (concave) functions, are given.

REFERENCES

[1] Atkinson, E.V., *An inequality*, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz., No. 357-380 (1971), pp.5-6
[2] Lupaş, A., *An integral inequality for convex functions*, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz., No. 381-409 (1972), pp.17-19
[3] Mitrinović, D.S., Pečarić, J.E., and Fink, A.M., *Classical and New Inequalitites in Analysis*, Kluwer Academic Publishers, Dordrecht, 1992
[4] Mitrinović, D.S. and Vasić, P.M., *Analytic Inequalities*, Springer-Verlag, Berlin and New-York, 1970
[5] Pečarić, J.E., Proschan, F., and Tong, Y.I, *Convex functions, partial orderings, and statistical applications*, Academic Press INC. 1250 Sixth Avenue, San Diego, 1992
[6] Vasić, P.M. and Lacković, I.B., *Notes on convex functions VI: On an inequality for convex functions proved by A. Lupaş*, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz., No. 634-677 (1979), pp.36-41

"AVRAM IANCU" SECONDARY SCHOOL
CLUJ NAPOCA ROMANIA
E-mail address: vlad_ciobotariu@yahoo.com

Received: 10.11.2008; In revised form: 13.10.2009.; Accepted:
2000 *Mathematics Subject Classification.* 26D15, 26D10.
Key words and phrases. *Chebyshev functional, convex functions, integral inequality.*