NEW INEQUALITIES OF HERMITE-HADAMARD TYPE FOR
FUNCTIONS WHOSE DERIVATIVES IN ABSOLUTE VALUE ARE
QUASI-CONVEX WITH APPLICATIONS

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Abstract. In this paper some new Hadamard-type inequalities for functions whose
derivatives in absolute values are quasi-convex are established. Some applications to
special means of real numbers and applications for P.D.F.’s are given. We also give some
applications of our obtained results to get new error bounds for the sum of the midpoint
and trapezoidal formulae.

Received 28 September 2012

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2000 Mathematics Subject Classification. Primary 26A51; 26D15.
Key words and phrases. Hermite-Hadamard inequality, convex function, quasi-convex function, Hölder
inequality, Power-mean inequality, midpoint formulae.

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