EXTENSIONS AND REFINEMENTS OF FEJER AND HERMITE–HADAMARD TYPE INEQUALITIES

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Abstract. In this paper extensions and refinements of Hermite-Hadamard and Fejer type inequalities are derived including monotonicity of some functions related to the Fejer inequality and extensions for functions, which are 1-quasiconvex and for function with bounded second derivative. We deal also with Fejer inequalities in cases that $p$, the weight function in Fejer inequality, is not symmetric but monotone on $[a,b]$.

Keywords and phrases: Fejer inequality, Hermite-Hadamard inequality, convexity, $N$-quasiconvexity.

REFERENCES