

## 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  $[a, b]$ .

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