

CERTAIN INEQUALITIES FOR CONVEX FUNCTIONS

ZLATKO PAVIĆ

Abstract. This is a review paper on some new inequalities for convex functions of one and several variables. The most important result presented for convex functions of one variable is the extension of Jensen's inequality to affine combinations. The most interesting results presented for convex functions of several variables refer to inequalities concerning simplexes and its cones.

Mathematics subject classification (2010): 26A51, 26B25, 52A20, 52B11.

Keywords and phrases: affine combination, simplex, hyperplane, Jensen's inequality.

Acknowledgement. This research was supported by Croatian Science Foundation under the project 5435.

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