

$a(x)$ —CONVEX FUNCTIONS AND THEIR INEQUALITIES

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ABSTRACT. In this paper $a(x)$ —convex functions are defined and Jensen, Hermite-Hadamard, Lah-Ribarić and other inequalities for them are derived. Related analogues of the Lagrange and the Cauchy mean value theorems are also obtained and means of the Cauchy type are generated.

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