SOME THE WEIGHTED GENERALIZATIONS THE INTEGRAL INEQUALITIES FOR CONVEX MAPPINGS

SAMET ERDEN *
Mathematician, Bursa-TURKEY
(E-mail: erdensmt@gmail.com)

and

M. ZEKI SARIKAYA †
Department of Mathematics, Faculty of Science and Arts,
Düzce University, Konuralp Campus, Düzce-TURKEY
(E-mail: sarikayamz@gmail.com)

Abstract. We establish an important integral identity and new Hermite-Hadamard Fejer type integral inequalities. Then, it is extended some estimates of the right hand and left hand side of a Hermite-Hadamard-Fejér type inequality for functions whose first derivatives absolute values are convex. In addition, new Hermite-Hadamard-type inequalities involving fractional integral are given.