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## Inequalities related to the Chebychev Functional Involving Integrals Over Different Intervals

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**Abstract:** A generalised Chebychev functional involving integral means of functions over different intervals is investigated. Bounds are obtained for which the functions are assumed to be of Hölder type. A weighted generalised Chebychev functional is also introduced and bounds are obtained in terms of weighted Grüss, Chebychev and Lupas inequalities.



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