GENERALIZED WEIGHTED OSTROWSKI AND OSTROWSKI–GRÜSS
TYPE INEQUALITIES ON TIME SCALES VIA A PARAMETER FUNCTION

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Abstract. We prove generalized weighted Ostrowski and Ostrowski–Grüss type inequalities on time scales via a parameter function. In particular, our result extends a result of Dragomir and Barnett. Furthermore, we apply our results to the continuous, discrete, and quantum cases, to obtain some interesting new inequalities.


Keywords and phrases: Ostrowski’s inequality, Ostrowski–Grüss inequality, parameter function, time scales.

REFERENCES


