

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

SETH KERMAUSUOR, EZE R. NWAEZE AND DELFIM F. M. TORRES

*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.

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