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Eze R Nwaeze*, 560 Perry St., Apt. 113, Auburn, AL 36830. *Generalized weighted trapezoid and Grüss type inequalities on time scales.*

In this talk, some new generalized weighted trapezoid and Grüss type inequalities on time scales, with a parameter function $\psi : [0, 1] \rightarrow [0, 1]$, are presented. Our results give a broader generalization of the results due to Pachpatte. In addition, we discuss the cases when the time scale is \mathbb{R} and \mathbb{Z} . (Received September 25, 2017)