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Eze R Nwaeze* (enwaeze@mytu.tuskegee.edu). *A new weighted Ostrowski type inequality on arbitrary time scale.*

In this talk, a new weighted generalized Montgomery identity is discussed. Using this identity, we obtain a weighted Ostrowski type inequality for parameter function on an arbitrary time scale. In addition, the real, discrete and quantum cases are considered. (Received September 19, 2016)