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Gro Hovhannisyan*, 6000 Frank avenue NW, North Canton, OH 44720. *Asymptotic Behavior of Linear Dynamic Systems on Time Scales*. Preliminary report.

We introduce characteristic functionals for dynamic systems on time scales and generalize Hartman-Wintner's theorems about asymptotic solutions with the error estimates for 2D dynamic systems on a time scale. (Received September 04, 2009)