1023-34-369   **Gro Hovhannisyan*** (`ghovhann@kent.edu`), Kent State University, 6000 Frank Avenu NW, North Canton, OH 44720. *Asymptotic stability for 2x2 dynamic systems on time scales.* Preliminary report.

We establish asymptotic stability and instability results for 2x2 system of dynamic equations on time scales. Proves are based on special integral representation of fundamental matrix via asymptotic solutions, error estimates, and calculus on time scales. (Received September 09, 2006)