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Alice A. Ramos* (alice_alexander@baylor.edu), Baylor University, Dept. of Mathematics,
One Bear Place #97328, Waco, TX 76798-7328. *The Dynamic Lyapunov Equation on Time
Scales*. Preliminary report.

This talk focuses on the development and solution of the dynamic Lyapunov equation on an arbitrary time scale. We will briefly consider application of these results to the stability analysis of linear systems defined on time scales. (Received September 15, 2008)