Electronic Transactions on Numerical Analysis. Volume 27, pp. 51-70, 2007. Copyright © 2007, Kent State University. ISSN 1068-9613.

RECENT RESULTS CONCERNING DYNAMIC EQUATIONS ON TIME SCALES*

LYNN ERBE[†] AND ALLAN PETERSON[†]

Abstract. We discuss a number of recent results for second order linear and nonlinear dynamic equations on time scales.

Key words. measure chains, Riccati equation, oscillation, nonoscillation, time scales

AMS subject classifications. 34B10, 39A10

^{*}Received May 1, 2003. Accepted for publication November 25, 2003. Recommended by A. Ruffing. This work was supported by NSF Grant 0072505.

[†]Department of Mathematics and Statistics, University of Nebraska-Lincoln, Lincoln, NE 68588-0323 (lerbe, apeterso@math.unl.edu).

⁵¹