Texas Tech University. Applied Mathematics Seminar.

GENERALIZED EXPONENTIAL FUNCTION ON A TIME SCALE

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ABSTRACT. A time scale T is just a closed nonempty subset of the real numbers. Time scales include the real numbers, the integers, and the Cantor set. Given a smooth function p(t) defined on a time scale and a point s in the time scale we will define a generalized exponential function ep(t,s) which generalizes the exponential function ept studied in calculus.