

COLLOQUIUM

Introduction to Time Scales with Applications
to Dynamic Equations

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Via Zoom

Time: 3:00pm - 4:00PM

Abstract: The study of dynamic equations on time scales, which goes back to its founder Stefan Hilger (1988), is an area of mathematics that has recently received a lot of attention. It has been created in order to unify the study of differential and difference equations. In this talk, we give a brief introduction to the Calculus Time Scales and then use Lyapunov functions to qualitatively analyze the behavior of solutions of nonlinear dynamic equations.