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Dynamic Equations On Time Scales

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Time-scale calculus - Wikipedia

The study of dynamic equations on time scales reveals such discrepancies, and helps avoid proving results twice, once for differential equa tions and once for difference equations. The general idea is to prove a result for a dynamic equation where the domain of the unknown function is a so-called time scale, which is an arbitrary nonempty closed subset of the reals.

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dynamic equation where the domain of the unknown function is a so-called time scale, which is an arbitrary closed subset of the reals. By choosing the time scale to be the set of real numbers, the general result yields a result concerning an ordi-nary di erential equation as studied in a rst course in di erential equations, and by choosing the time scale to be the set of integers, the same general result yields

Dynamic Equations on Time Scales

dUniversity of Nebraska-Lincoln, Department of Mathematics andStatistics, Lincoln, NE 68588-0323, USA Received 20 August 2000; received in revised form 26 February 2001 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.

Dynamic equations on time scales: a survey

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Dynamic Equations on Time Scales (Homepage of Martin Bohner) Journal of Computational and Applied Mathematics The special issue has been published on April 1, 2002. The addresses of the editors are: Ravi Agarwal, National University of Singapore, Department of Mathematics, Singapore 119260, Singapore.

Dynamic Equations on Time Scales (Homepage of Martin Bohner)

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.

Dynamic equations on time scales: a survey - ScienceDirect

The subject of dynamic equations on time scales continues to be a rapidly growing area of research. Behind the main motivation for the subject lies the key concept that dynamic equations on time scales is a way of unifying and extending continuous and discrete analysis.

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