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DISCRETE FRACTIONAL CALCULUS : DEFINITIONS AND APPLICATIONS

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Abstract

In this paper, we collect some basic definitions and important results developed in the theory of Fractional Calculus and Discrete Fractional Calculus in recent years. Numerical computations are performed by means of basic definitions and graphs are provided for different fractional orders. Also some applications and development in qualitative theory of Discrete Fractional Calculus are considered.

Key Words : *Epidemiology, Difference equations, Stability.*

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