

Fractional Differential Equations: Applications in Neuroscience

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In recent years, fractional differential equations (FDEs) have emerged as a powerful mathematical tool with important applications across various scientific disciplines. In neuroscience, FDEs offer a unique perspective to model complex phenomena that traditional differential equations may not capture adequately. This talk explores the significance of FDEs in neuroscience, concentrating on their potential to clarify intricate neural processes and behaviors.