

New achievements in Stochastic Differential Equations involving Kurzweil-like integrals

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We address new developments in the theory of stochastic differential equations (SDEs) formulated using Kurzweil-like stochastic integrals which extends the Ito and Ito-Henstock integrals, offering greater flexibility in handling irregular and highly oscillatory functions. Our results contribute to the growing body of research on alternative integration techniques in stochastic analysis, paving the way for further applications in mathematical finance, physics, and engineering.

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