Contribution ID: **14** Type: **not specified**

QUANTUM FINANCE: Path Integrals and Hamiltonians for Options Pricing

Wednesday 29 January 2025 14:54 (12 minutes)

This work approaches finance through the lens of quantum mechanics, offering a conceptual and mathematical framework beyond traditional stochastic calculus. Tools such as Hamiltonians and path integrals capture complex financial dynamics and correlations, addressing gaps in current methodologies. This perspective enhances theoretical understanding and provides practical tools for navigating modern financial markets, fostering efficiency and competitiveness

Primary author: TEIGÃO, Pedro (ISR)

Presenter: TEIGÃO, Pedro (ISR)