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Uncertainty quantification (UQ) is the science of quantitative characterization and reduction of uncertainties in both computational and real world applications. It tries to determine how likely certain outcomes are if some aspects of the system are not exactly known. An example would be to predict the acceleration of a human body in a head-on crash with another car: even if the speed was ...

## **Uncertainty quantification - Wikipedia**

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## Decision theory - Wikipedia

The Erwin Schrödinger International Institute for Mathematics and Physics (ESI) is a programme-oriented research institute for mathematics and physics at the University of Vienna. ... Chromatin Modeling: Integrating Mathematics, Physics, and Computation for Advances in Biology and Medicine - cancelled March 21, 2022 — March 24, 2022 Workshop ...

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He has published in mathematical finance and applied mathematics, including volatility modeling, the design of composite materials and hydrodynamic turbulence. He was a V.P. at Morgan Stanley in 1997 and 1998 in the Derivatives Products Group; Portfolio Manager at Capital Fund Management, where he created the Nimbus Fund 2004; Portfolio Manager ...

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