

## ‘Quantum-likeness’ in economics and finance

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In this presentation we would like to situate some of the research which has been performed in the area of applying quantum mechanical tools in economics and finance.

We also wish to begin to answer the question – whether the applications of such tools hold promise to possibly better understand some of the basic concepts in economics and finance. To this end we would like to make an argument on how a basic pricing rule in the theory of asset pricing can be (better?) explained via the use of fibre bundles and action functionals. We propose two applications on this argument: i) how can we formulate a model for a ‘likely’ price and ii) how can we model ‘interaction’ of *values* of an asset?