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What quantization means for a mathematician

In this talk I will present the famous Kontsevich Formality theorem, which solves the problem of quantization for any Poisson manifolds. Poisson manifolds encodes the information of classical mechanical systems, while quantum systems are encoded by star products. Kontsevich proved that for any Poisson manifold there exists a star product by proving that we can construct a(n L-infinity) morphism connecting those structures.

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