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Sommario/riassunto

Foundations of Relational Realism presents an intuitive interpretation of quantum mechanics, based on a revised decoherent histories interpretation, structured within a category theoretic topological formalism. More broadly, as a philosophical enterprise, the authors propose this conceptual framework as a speculative ontological program that includes a rigorous mathematical formalism, providing a coherent and intuitive ontological scheme that is both novel and applicable practically to the physical sciences.