

Space of quantum states built over metrics of fixed signature

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A space of quantum states and an algebra of quantum observables are constructed over the set of all metrics of arbitrary but fixed signature, defined on a manifold. The construction is diffeomorphism invariant, and unique up to natural isomorphisms.

Author: OKOŁÓW, Andrzej (University of Warsaw)

Presenter: OKOŁÓW, Andrzej (University of Warsaw)

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