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Title: Probabilitiy distributions as alternative notions of quantum states and quantum suprematism picture of quantum mechanics

Abstract:

The formulation of quantum mechanics where states are identified with standard classical probabilities is presented on example of spin-1/2 particle .

Geometry of the state is found as map of Bloch sphere onto triangle and three related squares for illustration of picture called triada of Malevich's squares .As example of predicted relations some new inequalities for entropy and information are presented and superposition principle is written in the form of new nonlinear interference of probabilities.The approach is extended to all quantum states.