Mathematical Problems in Quantum Information Technologies



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Evading Quantum Mechanics à la Sudarshan: quantum-mechanics-free subsystem as a realization of Koopman-von Neumann mechanics

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Tsang and Caves suggested the idea of a quantum-mechanics-free subsystem in 2012. We contend that Sudar-shan's viewpoint on Koopman-von Neumann mechanics is realized in the quantum-mechanics-free subsystem. Since quantum-mechanics-free subsystems are being experimentally realized, Koopman-von Neumann mechanics is essentially transformed into an engineering science.

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