

Proposal of Realization Restricted Quantum Game with Linear Optic Method

ZHAO Hai-Jun and FANG Xi-Ming

Department of Physics, Hunan Normal University, Changsha 410081, China
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Abstract: We present a quantum game with the restricted strategic space and its realization with linear optical system, which can be played by two players who are separated remotely. This game can also be realized on any other quantum computers. We find that the constraint brings some interesting properties that are useful for making game models.

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Key words: quantum game, restriction, equilibrium, linear optic

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