

عنوان مقاله:

Entanglement, QFI, and squeezing of hybrid state in the non-inertial frame

محل انتشار:

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خلاصه مقاله:

We study the effect of the acceleration of the observer on the quantum Fisher information andentanglement using hybrid state. The two-partite entangled hybrid state consists of discrete (vacuum and single photon) and continuous (coherent) variable states. When one of the observers (e.g., Rob) is uniformly accelerated with respect to the other partner, Alice, we find that quantum Fisher information has a more stable structure than entanglement. Results show that quantum Fisher information decreases with the increase of the acceleration but remains finite in the limit of infinite acceleration which is in contrast with entanglement. Moreover, the effect of acceleration is investigated on the value of .two-mode squeezing

كلمات كليدى:

Entanglement, two-mode squeezing, quantum Fisher information, Rindler coordinate

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