

Tripartite Nonlinear Entangled State Representations in Quantum Mechanics

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(Received: 2005-1-17; Revised:)

Abstract: Based on the technique of integral within an ordered product of nonlinear bosonic operators we construct a kind of tripartite nonlinear entangled states, which can make up a complete set. As its application, we also derive nonlinear 3-mode charge-related entangled state. The essential point for constructing these states lies in choosing the appropriate charge operator.

PACS: 03.65.Ud

Key words: nonlinear entangled state, tripartite system

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