

N-Particle Entangled States of Continuum Variables

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Abstract: We construct the n-particle entangled states $|\beta\rangle_0$ in n-mode Fock space, and examine their completeness relation and partly non-orthonormal property. Their Schmidt decomposition and entangled operator are manifestly shown. Finally, we discuss their application.

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Key words: N-particle entangled state, Schmidt decomposition, entangled operator

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