

Parabose Squeezed Operator and Its Applications

YANG Wei-Min and JING Si-Cong

Department of Modern Physics, University of Science and Technology of China, Hefei 230026, China

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Abstract: By virtue of the parabose squeezed operator, propagator of a parabose parametric amplifier, explicit forms of parabose squeezed number states and normalization factors of excitation states on a parabose squeezed vacuum state are calculated, which generalize the relevant results from ordinary Bose statistics to the parabose case.

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Key words: parastatistics, squeezed operator, deformed special functions

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