

Squeezed State Caused by Inverse of Photon Creation Operator

XU Xue-Fen

Department of Basic Courses, Jiangsu Teachers University of Technology, Changzhou 213001, China
(Received: 2005-6-30; Revised: 2005-8-22)

Abstract: Using the photon creation operator's eigenstate theory we derive the normally ordered expansion of inverse of the squeezed creation operator. It turns out that using this operator a kind of excitation on the squeezed vacuum states can be formed.

PACS: 42.50.Dv, 03.65.-w

Key words: inverse of creation operator, squeezed state, normal ordering

[\[Full text: PDF\]](#)

Close