

## The P-representation on Nonlinear Coherent State Basis

FAN Hong-Yi and CHENG Hai-Ling

Department of Material Science and Engineering, University of Science and Technology of China, Hefei 230026, China

(Received: 2001-11-26; Revised: )

**Abstract:** Using the technique of integration within an ordered product of nonlinear Bose operators and by composing the nonlinear coherent state's over-completeness relation, we construct the corresponding P-representation theory. The generalized P-representation for some nonlinear Bose operators can be established.

PACS: 03.65.Bz, 42.50.Dv

**Key words:** nonlinear coherent state representation, generalized IWOP technique, P-representation

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

Close