

Squeezed States of Light

PH3203 Term Paper



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1. Introduction

2. Literature Review

3. A Primer

4. Coherent States

5. Squeezed States



The Variance of the X_1 operator. the glauber sudarshan P representation of the squeezed state is given by

$$V(X_1) = \frac{1}{4} \left[1 + \int d^2\alpha P(\alpha) \{ (\alpha + \alpha^*) - (\langle a \rangle + \langle a^\dagger \rangle) \}^2 \right]$$



Bibliography