

Erratum: Parameter estimation in quantum optics
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The probability distribution in Eq. (30) of the original paper should read

$$p_{\eta}(x) = \frac{1}{\sqrt{2\pi\Delta^2}} \exp\left[-\frac{(x - \sqrt{\eta}x_0)^2}{2\Delta^2}\right],$$

such that the resulting maximum likelihood estimate (MLE) for the quantum efficiency η , i.e., $\eta_{ML} = \arg \max L(\eta)$, is given by the (unique) solution in $[0,1]$ of the algebraic equation

$$(1 - \eta + e^{-2r}) \left[1 - 4x_0 \left(x_0 - \frac{\bar{x}}{\sqrt{\eta}} \right) \right] = 4(\bar{x}^2 + \eta x_0^2 - 2\sqrt{\eta}x_0\bar{x}).$$

Figure 5 and the physical conclusions remain unaltered, whereas Eq. (32) of the original paper is no longer valid.