

## The effect of heterodyne detection on the statistical accuracy of optical linewidth measurements

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## Corrigendum

### The effect of heterodyne detection on the statistical accuracy of optical linewidth measurements

Jakeman E 1972 *J. Phys. A: Gen. Phys.* **5** L49–52

Equation (3) is incorrect and should be expressed in terms of Laguerre polynomials

$$\bar{n}_k = 1 - \exp\left(\frac{-\bar{n}_c}{1 + \bar{n}_s}\right) \sum_{n=0}^k \frac{\bar{n}_s^n}{(1 + \bar{n}_s)^{n+1}} L_n\left(\frac{-\bar{n}_c}{\bar{n}_s(1 + \bar{n}_s)}\right)$$

(see for example Jakeman E and Pike E R 1969 *J. Phys. A: Gen. Phys.* **2** 115–25).