

Erratum

Optical Properties of Dense Exciton-Biexciton Systems

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Equations (2) and (3) should be:

$$\varepsilon(\mathbf{k}, \omega) = \varepsilon_{\infty} - |\mathbf{g}_{\mathbf{k}}|^2 D_x^R(\mathbf{k}, \omega),$$

where $D_x^R(\mathbf{k}, \omega)$ is the retarded exciton Green's function

$$D_x^R(\mathbf{k}, \omega) = \frac{1}{\omega - \omega_x + i\varepsilon} - \frac{1}{\omega + \omega_x + i\varepsilon}.$$

The time-ordered Green's function, which is given in (3) is used to calculate the self-energy due to biexciton formation.

Equation (8) should be:

$$\varepsilon(\omega) = \varepsilon_{\infty} + \frac{(\varepsilon_0 - \varepsilon_{\infty}) \omega_x^2 (z_M - 2\omega)}{(z_M - 2\omega)(\omega_x^2 - \omega^2) - \Omega^2 \omega_x (z_M - \omega) / z_M}.$$

All numerical results remain unchanged.

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