

Correction to “Molecular Organization of Crystalline β -Carotene in Carrots Determined with Polarization-Dependent Second and Third Harmonic Generation Microscopy”

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Equation 9, a general THG intensity equation for polarization-in, polarization-out third harmonic generation (PIPO THG) measurements, contains a typographical error. The corrected equation is

$$I_{3\omega} \propto \left| \frac{(\chi_{xxxx}^{(3)})^2}{16} \left(\sin \varphi' \sin \theta' \left(\frac{\cos^2 \theta' (3\chi_{zzxx}^{(3)'} - \chi_{xxxx}^{(3)'})}{\chi_{xxxx}^{(3)'}} + 1 \right) + \cos \varphi' \cos \theta' \left(\left(\frac{3\chi_{zzxx}^{(3)'}}{\chi_{xxxx}^{(3)'}} \right) - \cos^2 \theta' \left(\frac{3\chi_{zzxx}^{(3)' - \chi_{zzzz}^{(3)'}}{\chi_{xxxx}^{(3)'}} \right) \right) \right|^2 \right| \quad (9)$$

Note that the data in the paper was fit with the correct THG intensity expression.