ZnO nanorods for efficient third harmonic UV generation: erratum

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Abstract: We correct Eq. (1) of our previous paper showing the pulse duration (τ) dependence on group delay dispersion (β2) and initial duration of the unchirped pulse coming from the laser (τ0). The correct form of the equation was used in all the calculations in the previous paper however, so in all other respects our previous results and conclusions are unchanged.

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References and links

In Eq. (1) of article [1], we gave an equation showing the dependence of pulse duration (τ) on group delay dispersion (β2) and initial duration of the unchirped pulse coming from the laser (τ0). There are typographical errors in this equation in article [1] and the corrected equation is given below in Eq. (1), as may be verified in a number of other sources (such as [2] and [3]):

\[ \tau = \tau_0 \sqrt{1 + \left(4 \cdot \ln(2) \cdot \frac{\beta_2}{\tau_0^2}\right)^2} \]  

(1)

The correct form of the equation was used in all the calculations in the previous paper [1] however, so in all other respects our previous results and conclusions are unchanged.