

Ultrashort-pulse second-harmonic generation with longitudinally nonuniform quasi-phase-matching gratings: pulse compression and shaping: errata

G. Imeshev, M. A. Arbore,* and M. M. Fejer

E. L. Ginzton Laboratory, Stanford University, Stanford, California 94305

A. Galvanauskas, M. Fermann,* and D. Harter

IMRA America, 1044 Woodridge Avenue, Ann Arbor, Michigan 48105

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Upon closer inspection of the published paper¹, we have discovered several typographical errors, which were present in the original submitted manuscript. The errors are described below.

(1) On page 312, Eq. (54) should be replaced with

$$\tau_2 = \sqrt{(\tau_0/\sqrt{2})^2 + (\sqrt{2}C_2/\tau_0)^2}.$$

The rest are equations in which prefactors should be corrected:

(2) On page 314, Eq. (65) should be replaced with

$$\eta_0^{\text{PW}} = 85.3 \frac{|d_m|^2}{n_1 n_2 \lambda_1^2} E_0^2 L_{\text{gv}}^2.$$

(3) On page 314, Eq. (68) should be replaced with

$$\eta^{\text{PW}} = \frac{\sqrt{\pi}}{2\sqrt{2}g(L/L_{\text{gv}} = 2)} \frac{\delta v L}{\tau_1} f \eta_0^{\text{PW}}.$$

(4) On page 315, Eq. (73) should be replaced with

$$\eta^{\text{conf}} = \frac{\sqrt{\pi}}{\sqrt{2}g(L/L_{\text{gv}} = 2)} \frac{\tau_0}{\tau_1} f \eta_0^{\text{conf}}.$$

REFERENCE

1. I. G. Imeshev, M. A. Arbore, M. M. Fejer, A. Galvanauskas, M. Fermann, and D. Harter, "Ultrashort-pulse second-harmonic generation with longitudinally nonuniform quasi-phase-matching gratings: pulse compression and shaping," *J. Opt. Soc. Am. B* **17**, 304–318 (2000).

*Present address: Lightwave Electronics, 2400 Charleston Road, Mountain View, California 94043.