

## ERRATA

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### Erratum: "Probing domain microstructure in ferroelectric $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ thin films by optical second harmonic generation" [J. Appl. Phys. 89, 1387 (2001)]

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Some of the ratios of nonlinear optical coefficients of  $\text{Bi}_4\text{Ti}_3\text{O}_{12}$  thin films reported in this article were incorrect, due to an erroneous interchange of  $d_{11}$  and  $d_{12}$  coefficients during numerical calculations. The correct values are  $d_{11}/d_{12} = -3.498 \pm 0.171$ ,  $|d_{26}/d_{11}| = 0.365 \pm 0.010$ , and  $|d_{26}/d_{12}| = 1.273 \pm 0.036$ . The ratios of thickness fractions (see article for definitions), were also in error. The correct values are,  $(\Delta A_y d_{12})^2 = 5.15 \times 10^{-3} \text{ (pm/V)}^2$  and  $(\Delta A_x d_{12})^2 = 7.46 \times 10^{-3} \text{ (pm/V)}^2$ , and therefore,

$\Delta A_y/\Delta A_x = 0.833 \pm 0.024$ . Equation (7) had a minor typographical error in the article. The correct equation should read

$$\left(\frac{d_{26}}{d_{12}}\right)^4 = \left(\frac{K_{3,x}}{K_{1,x}(K_{2,x})^2}\right) \left(\frac{K_{3,y}}{K_{1,y}}\right). \quad (7)$$

The theoretical model, and the results of Table I and Fig. 6 are correct as they appear in the original article.