ERRATA

Erratum to: Improved Generation of Higher Harmonics and Suppression of the Lowest Harmonics in an X-Ray FEL with a Two-Frequency Undulator

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INTRODUCTION

The authors apologize for the misprints in the article “Improved Generation of Higher Harmonics and Suppression of the Lowest Harmonics in an X-Ray FEL with a Two-Frequency Undulator” by K. Zhukovsky in *Moscow University Physics Bulletin*, 2018, Vol. 73, No. 5, pp. 462–469, DOI: 10.3103/S0027134918050193, and communicate the following corrected formula (5) for the Bessel coefficients f_n of the two-frequency undulator:

$$\begin{aligned}
 f_{n,x} &= I_{n-1}^{(n)} + I_{n+1}^{(n)} + \frac{d}{h} \left(I_{n+h}^{(n)} + I_{n-h}^{(n)} \right), \\
 I_n^{(m)} &= \int_0^{2\pi} \frac{d\varphi}{2\pi} \cos \left(n\varphi + \frac{mk^2(\xi_1 + \xi_2 + \xi_3 + \xi_4)}{1 + k_{\text{eff}}^2/2} \right), \\
 \xi_1 &= \frac{\sin(2\varphi)}{4}, \quad \xi_2 = \frac{d \sin((h-1)\varphi)}{h(h-1)}, \\
 \xi_3 &= \frac{d \sin((h+1)\varphi)}{h(h+1)}, \quad \xi_4 = \frac{d^2 \sin(2h\varphi)}{4h^3},
 \end{aligned} \tag{5}$$

Moreover, there should be typed $d = 0.7$ instead of $d = -0.5$ in the caption for Fig. 1, and also in the left text column on the page 465, last line of the text, and in the middle of the second from the bottom paragraph on the page 465, as well as in Appendices A and E, page 468.

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