

ERRATA

PACS numbers: 99.10.Cd

Erratum: Analysis the Process of Plastic Deformation Metal Chip at Non-Free Cutting [*Metallofiz. Noveishie Tekhnol.*, **42**, No. 3: 433–449 (2020). DOI: <https://doi.org/10.15407/mfint.42.03.0433>]

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In Eqs. (4), the first and last quantities enclose two misprints. The correct form of Eqs. (4) is the next:

$$\begin{aligned}
 V_x(x, y, z) &= V_0 [\omega(x, y, z)(e^2 - 1)]^{-1/2} \times \\
 &\times \left[e^2 \cos \alpha \sin \alpha (x + x_1 z/B) + \frac{yB(1 - e^2 \sin^2 \alpha)}{\sqrt{B^2 - z^2}} \right], \\
 V_y(x, y, z) &= -V_0 [\omega(x, y, z)(e^2 - 1)]^{-1/2} \times \\
 &\times \left[(1 - e^2 \cos^2 \alpha)(x + x_1 z/B) \sqrt{1 - z^2/B^2} + ye^2 \cos \alpha \sin \alpha \right], \\
 \omega(x, y, z) &= (x_0 + x_1 z/B)^2 (z/B)^2 + a^2(x, y, z) [1 - e^2 \sin^2 \alpha (z/B)^2] + \\
 &+ e^2 \zeta^2(x, y, z) (1 - z^2/B^2), \\
 \zeta(x, y, z) &= (1 - e^2 \sin^2 \alpha)^{-1} [(x_0 + x_1 z/B) \cos \alpha + \\
 &+ \sqrt{\sin^2 \alpha (1 - e^2) (a^2(x, y, z) (e^2 \sin^2 \alpha - 1) - (x_0 + x_1 z/B)^2)}], \\
 a(x, y, z) &= [(B^2 - z^2)(1 - e^2)]^{-1/2} [-(x + x_1 z/B)^2 (B^2 - z^2) - y^2 B^2 + \\
 &+ e^2 (\sqrt{B^2 - z^2} \cos \alpha (x + x_1 z/B) - yB \sin \alpha)^2]^{1/2},
 \end{aligned} \tag{4}$$

In Eqs. (76), the first quantity encloses one misprint. The correct form of Eqs. (76) is the next:

$$\begin{aligned}
 \zeta(x, y, z) &= (1 - e^2 \sin^2 \alpha)^{-1} \left\{ x_0 (1 - z^2/B^2)^{-1/2} \cos \alpha + \left[\sin^2 \alpha \times \right. \right. \\
 &\left. \left. \times (1 - e^2) \left(a^2(x, y, z) (e^2 \sin^2 \alpha - 1) - x_0 (1 - z^2/B^2)^{-1} \right) \right]^{1/2} \right\}, \tag{76}
 \end{aligned}$$

$$a(x, y, z) = \left[(e^2 - 1)(1 - z^2/B^2) \right]^{-1/2} \left\{ x^2 + y^2(1 - z^2/B^2) - e^2 [x \cos \alpha - y \sin \alpha (1 - z^2/B^2)^{1/2}]^2 \right\}^{1/2}.$$