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Corrigendum: Smoothness metrics in complex movement tasks

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KEYWORDS

activity of daily living, smoothness, kinematics, number of peaks, spectral arc length, speed metric, jerk

A corrigendum on Smoothness metrics in complex movement tasks

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In the published article, there was an error. In the formula for the log dimensionless jerk, a ³ (to the power of three) was missing.

A correction has been made to the Methods section, fourth formula. This formula previously stated:

$$\log \text{dim. jerk} \triangleq - \ln \left(\frac{(t^2 - t^1)}{v_{\text{peak}}^2} \int_{t_1}^{t_2} \left| \frac{d^2 v}{dt^2} \right|^2 dt \right)$$

The corrected formula appears below:

$$\log \text{dim. jerk} \triangleq - \ln \left(\frac{(t_2 - t_1)^3}{v_{\text{peak}}^2} \int_{t_1}^{t_2} \left| \frac{d^2 v}{dt^2} \right|^2 dt \right)$$

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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