Corrigendum

Corrigendum to “A Diagnosis Method for Rotation Machinery Faults Based on Dimensionless Indexes Combined with \(K\)-Nearest Neighbor Algorithm”

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In the article titled “A Diagnosis Method for Rotation Machinery Faults Based on Dimensionless Indexes Combined with \(K\)-Nearest Neighbor Algorithm” [1], there was an error in the “Theory” section which should be corrected as follows.

(4) when \(T = \infty\), \(m = 4\), kurtosis index \(K_v\) is defined as

\[
K_v = \lim_{T \to \infty} \frac{\int_{-\infty}^{+\infty} |x|^4 \xi(x) \, dx}{\left( \int_{-\infty}^{+\infty} x^2 \xi(x) \, dx \right)^2} = \frac{E(|x|^4)}{[E(|z|^2)]^2}.
\] (6)

should be corrected to

(4) when \(T = 4\), \(m = 2\), kurtosis index \(K_v\) is defined as

\[
K_v = \lim_{T \to \infty} \frac{\int_{-\infty}^{+\infty} |x|^4 \xi(x) \, dx}{{\left( \int_{-\infty}^{+\infty} x^2 \xi(x) \, dx \right)^{1/2}}} = \frac{E(|x|^4)}{[E(|z|^2)]^{1/2}}.
\] (6)

References
