



Corrigendum Notice: A corrigendum has been issued for this article and is included at the end of this document.

Post-Publication Notice

Corrigendum to “D. Khassanova, A. Sarsenbayeva and A. Mussin, “The creation a non-contact rotary mechanism powered by close-range ultrasonic energy”, tbusphys, vol. 1, no. 4, p. 0004, Sept. 2023. doi: 10.54355/tbusphys/1.4.2023.0004”

In the originally published version of this article, inaccuracies and missing details in the Methods section have been identified. The following corrections have been made to improve the accuracy and reproducibility of the research:

–The original text lacked a clear description of the simulation tools, experimental instrumentation, and statistical analyses used in the study.

The updated version now includes details of:

–CAD-based design (SolidWorks 2023), resonance tuning (ANSYS), and impedance circuit modeling (LTspice);

–Experimental setup with sensor specifications (tachometer, torque sensor, DAQ system);

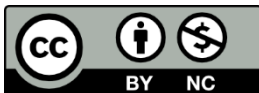
–Statistical treatment of experimental data (mean \pm standard deviation, ANOVA, regression analysis) for improved reliability of reported findings.

–Text revisions: Minor phrasing changes were made throughout Section 2 to clarify the sequence of design, fabrication, and validation steps for the non-contact rotary mechanism.

Additionally, the reference “Optical detection of ultrasound / J.P. Monchalin // IEEE Trans. Ultrasonic Ferroelectrics. — 1986. — Vol. 33, No. 5. — P. 485–499.” has been deleted.

These corrections do not alter the results, conclusions, or scientific validity of the article. The revisions were introduced to enhance methodological transparency and reproducibility.

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