Corrigendum

Corrigendum to “Theoretical Model for the Performance of Liquid Ring Pump Based on the Actual Operating Cycle”

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In the article titled “Theoretical Model for the Performance of Liquid Ring Pump Based on the Actual Operating Cycle” [1], there was an error in Equation (5). The corrected equation is shown below.

The compression ratio σ of the pressure at the circumferential angle φ to the suction pressure needs to solve an algebraic equation:

$$\frac{1}{\sigma^2} = A^2 \left(1 - \frac{\sigma - 1}{\varepsilon} \right), \quad (5)$$

where $A = 2(R - \rho)/\mu r_2[(1 - \alpha)^2 - v^2]$; $\varepsilon = \rho_l \omega^2 r_2^2 / 2p_s$.

References

- [1] S. Huang, J. He, X. Wang, and G. Qiu, “Theoretical Model for the Performance of Liquid Ring Pump Based on the Actual Operating Cycle,” *International Journal of Rotating Machinery*, vol. 2017, Article ID 3617321, 9 pages, 2017.