

Corrigendum

Corrigendum to “An Analytical Model for the Identification of the Threshold of Stress Intensity Factor Range for Crack Growth”

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In the article titled “An Analytical Model for the Identification of the Threshold of Stress Intensity Factor Range for Crack Growth” [1], there were minor errors in the text, referencing, and an equation.

There was an error in the Introduction, where the word “not” was missing from the sentence “This is due to the fact

that the far-field cyclic compression method is not affected by the compressive yielding at the crack-starter notch and more “steady-state” constant amplitude data in near-threshold regime is achieved with this method [29].”

In addition, the cited references in the keys of Figure 6 should be corrected as follows.

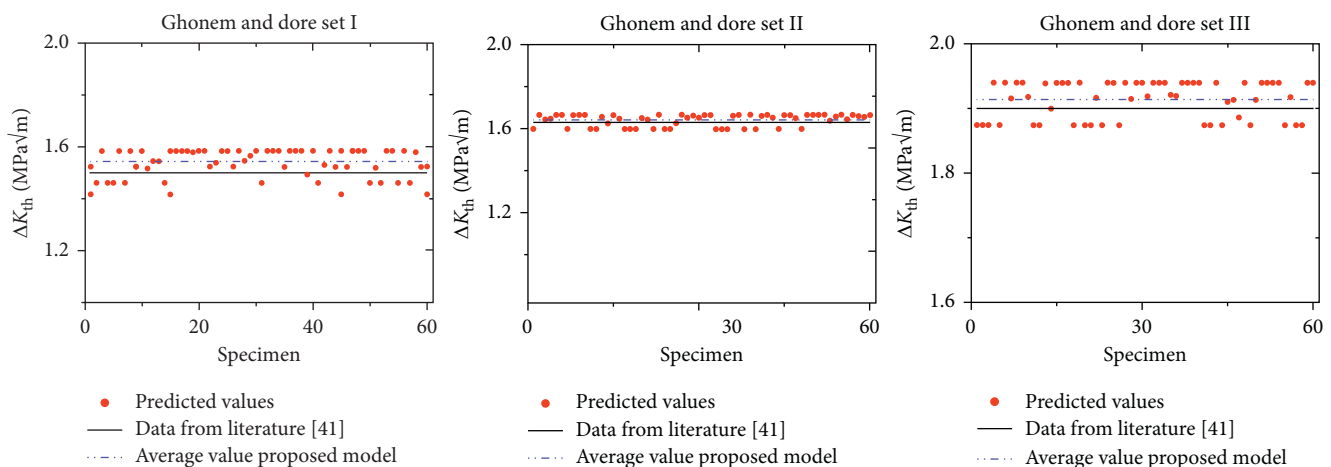


FIGURE 6: Continued.

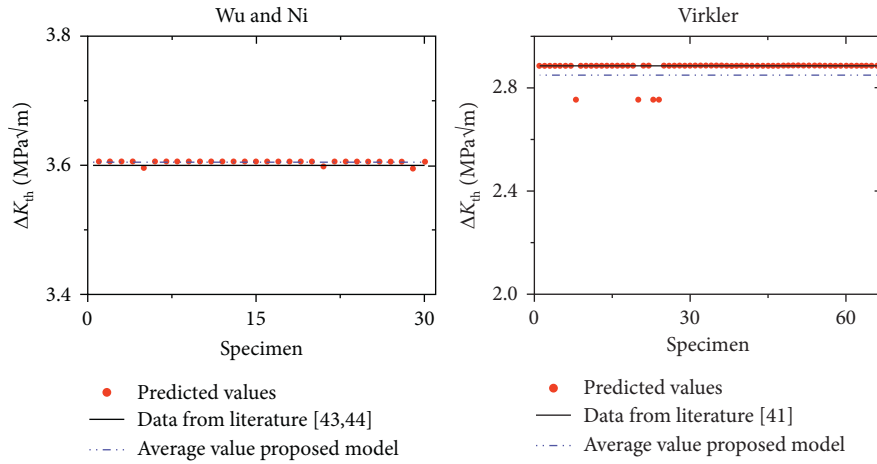


FIGURE 6: Threshold SIF range for the five datasets.

Accordingly, the sentence “In Figure 6, the values of the threshold SIF predicted by the model for each curve of the five datasets analysed in this paper are shown together with the corresponding values gathered from the literature [44]” in Results and Analyses should be corrected to “In Figure 6,

the values of the threshold SIF predicted by the model for each curve of the five datasets analysed in this paper are shown together with the corresponding values gathered from the literature [41, 43, 44].”

Moreover, (6) should be amended as follows:

$$a_{th} = \frac{a_0 - a_f \times \left(N_{th} / (N_f + N_{th}) \right)^p}{e^{\left((N_{th} / (N_f + N_{th}))^\alpha / \beta - (N_{th} / (N_f + N_{th}))^\alpha \right)} - \left(N_{th} / (N_f + N_{th}) \right)^p \times e^{(1/(\beta-1))}}. \quad (6)$$

References

- [1] M. Grasso, A. De Iorio, Y. Xu, G. Haritos, M. Mohin, and Y. K. Chen, “An analytical model for the identification of the threshold of stress intensity factor range for crack growth,” *Advances in Materials Science and Engineering*, vol. 2017, Article ID 3014172, 13 pages, 2017.

