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ERRATUM

Determination of the effective mode-I toughness of a sinusoidal interface between two elastic solids

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Due to an unfortunate turn of events this article has been published with an erroneous version of Figure 3, an erroneous version of Equation 6 and also two errors in the text of the second paragraph of Section 3.1 "Influence of cohesive interface properties". Please find below the correct Figure 3, Equation 6 and text part of the second paragraph of Section 3.1 that should be regarded by the reader as the final versions.

$$\frac{K_{Ic}}{K_0} = \Gamma\left(\frac{\sigma_{\max}}{E}, \frac{\delta_n}{\lambda}, \frac{\tau_{\max}}{\sigma_{\max}}, q, \nu, \frac{A}{\lambda}\right) \tag{6}$$

(3.1 Influence of cohesive interface properties)

Perhaps the most intriguing observation results when the same analysis is plotted in terms of l_{cz}/λ as in Fig. 6. When $\sigma_{\max}$ and δ_n are varied, l_{cz} varies according to Eq. 8. The role of $\sigma_{\max}$ and δ_n in controlling the conditions necessary to initiate crack propagation and cause failure can be illustrated more clearly by plotting the variation of K_{init}/K_0 (solid curve with open circles) and K_{Ic}/K_0 (dashed line with solid circles) with the normalized cohesive zone length l_{cz}/λ.

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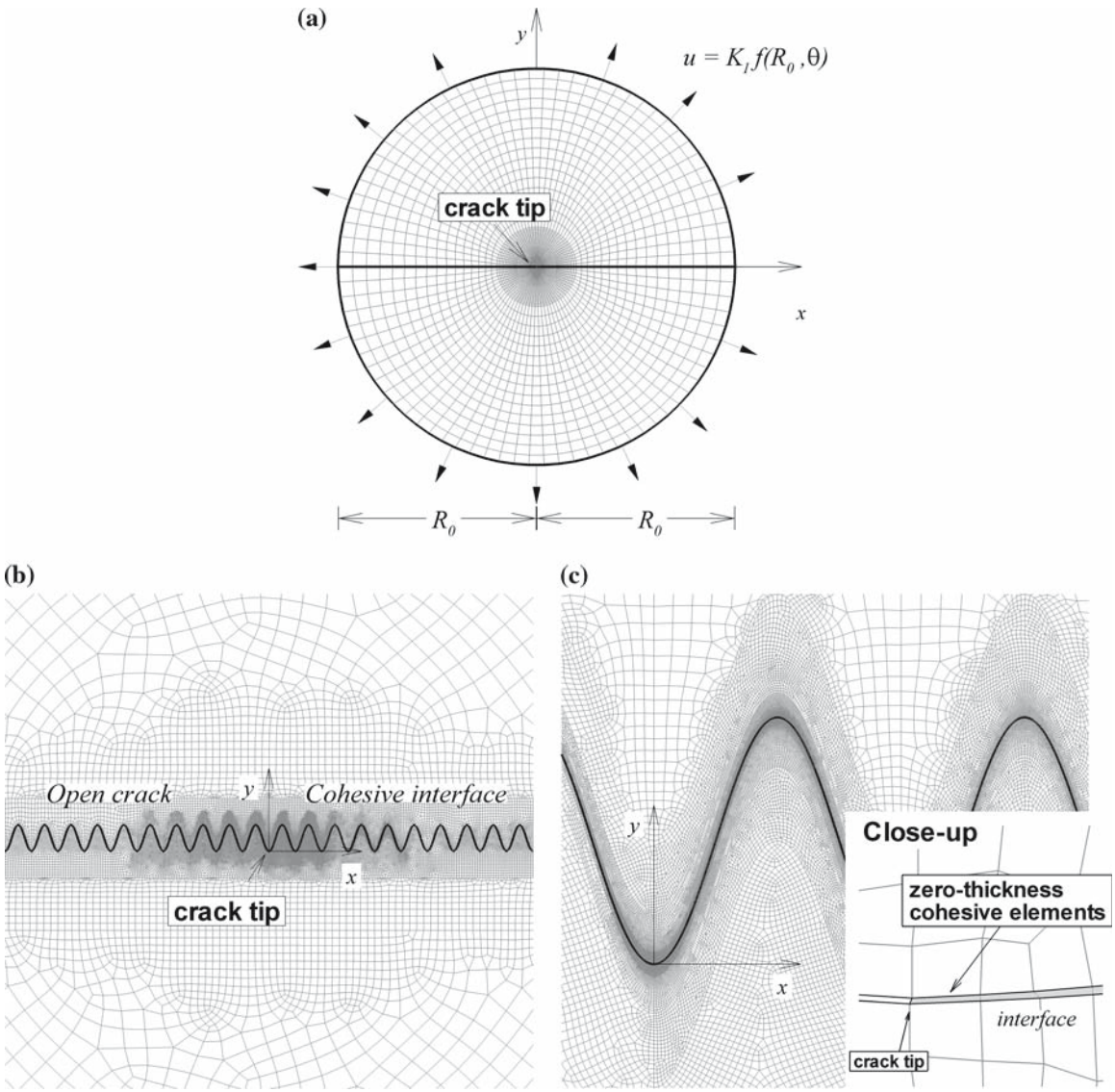

Fig. 3 (**a**) Sample mesh with $R_0 >> A$. The sinusoidal interface is center of the mesh along the x-axis and hence is not visible. (**b**) Zoom showing the sinusoidal interface and the crack tip. (**c**) Region near the crack tip and exploded view showing the cohesive elements