

ERRATA SHEET

Hypersingular Integral Equations in Fracture Analysis
Woodhead Publishing 2013

Page 23. Missing terms on the right hand side of equation (1.78). Equation (1.78) should read:

$$\int_a^b \frac{f(t)dt}{(t-x)^2} \stackrel{\text{def}}{=} \lim_{\epsilon \rightarrow 0^+} \left\{ \int_a^b \frac{(t-x)^2 f(t)dt}{[(t-x)^2 + \epsilon^2]^2} - \frac{\pi}{2\epsilon} f(x) \right\} - \frac{f(x)}{2} \left[\frac{1}{b-x} - \frac{1}{a-x} \right] \text{ for } a < x < b.$$

(Note that the terms are also missing in Ang and Clements [6] cited in the book.) (12 July 2014)

Page 89. A few words are missing in the paragraph below equation (4.25). The paragraph should read, “Note that the inequality ... are such that τ_1^2 , τ_2^2 and τ_3^2 ... are negative real numbers or complex numbers. Thus, ... , τ_1 , τ_2 and τ_3 are purely imaginary numbers or complex numbers.” (The missing words are underlined.) (10 March 2014)

Page 134. On the 3rd line of Subsection 6.2.2, the phrase “which include the points $(0, a)$ and $(0, -a)$ included” should be corrected to read “which include the points $(0, a)$ and $(0, -a)$ ” by deleting the word ‘included’. (10 September 2015)

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