Erratum to: Flow Around a Crack in a Porous Matrix and Related Problems

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There are three corrections to be made to the text in the original paper:

(I) Equation (34): Y^2 must be replaced by Y^2 , so the correct expression is:

$$p(x, y) = aLX\Phi(X^2, Y^2) \quad (34)$$

(II) Equation (35): There is an α_1 missing in the denominator, so the correct expression is:

$$\Phi(\alpha_1, \alpha_2) = \sqrt{\frac{\sqrt{(1 - \alpha_1 + \alpha_2)^2 + 4\alpha_1\alpha_2} - (1 - \alpha_1 + \alpha_2)}{2\alpha_1}} \quad (35)$$

(III) Equation (51): the second integral $\int_{\partial\Omega} \mathbf{k} \cdot \underline{\nabla} p \, ds$ must be replaced by $\mathbf{k} \cdot \int_{\partial\Omega} p \, \underline{n} \, ds$, so the correct expression is:

$$\frac{1}{\Omega} \int_{\Omega} \underline{v} \, d\omega = -\frac{1}{\Omega} \mathbf{k} \cdot \int_{\partial\Omega} p \, \underline{n} \, ds = -\mathbf{k} \cdot \underline{A} \quad (51)$$

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