

Corrigendum

M. M. R. WILLIAMS, “Exact Solutions of the Two-Dimensional Cell Problem,” *Nucl. Sci. Eng.*, **173**, 182 (2013).

A number of typographical errors were noted in the above paper. The corrected equations are

$$\phi_{nm}^{(1)}(\mathbf{\Omega}) = \frac{1}{4\pi} \frac{[\Sigma_2 + \lambda_2 + i\Omega_{nm}][\Sigma_{s1}\phi_{0,nm}^{(1)} + S_{nm}^{(1)}] + \lambda_1[\Sigma_{s2}\phi_{0,nm}^{(2)} + S_{nm}^{(2)}]}{[\Sigma_2 + \lambda_2 + i\Omega_{nm}][\Sigma_1 + \lambda_1 + i\Omega_{nm}] - \lambda_1\lambda_2} \quad (9)$$

$$\phi_{nm}^{(2)}(\mathbf{\Omega}) = \frac{1}{4\pi} \frac{[\Sigma_1 + \lambda_1 + i\Omega_{nm}][\Sigma_{s2}\phi_{0,nm}^{(2)} + S_{nm}^{(2)}] + \lambda_2[\Sigma_{s1}\phi_{0,nm}^{(1)} + S_{nm}^{(1)}]}{[\Sigma_2 + \lambda_2 + i\Omega_{nm}][\Sigma_1 + \lambda_1 + i\Omega_{nm}] - \lambda_1\lambda_2} \quad (10)$$

$$\hat{I}_0(n, m) = \frac{1}{\sqrt{\alpha_n^2 + \alpha_m^2}(d_2 - d_1)} \left(\tan^{-1} \left(\frac{\sqrt{\alpha_n^2 + \alpha_m^2}}{d_1} \right) - \tan^{-1} \left(\frac{\sqrt{\alpha_n^2 + \alpha_m^2}}{d_2} \right) \right) \quad (16)$$

In Eqs. (31) and (32), the left hand sides should read $\phi_{0,nm}^{(1)}$ and $\phi_{0,nm}^{(2)}$, i.e., the symbol $\mathbf{\Omega}$ should be deleted. These changes in no way affect the results and conclusions.