

Fundamental singularities in the theory of water waves with surface tension: Corrigenda

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The Editor regrets that two errors have appeared in [1], through no fault of the author's. On page 325 the result (3.5) and the two lines following it should read:

$$(3.5) \quad \phi = \frac{\cos(m+1)\zeta}{\rho^{m+1}} + \frac{1}{m!} \int_0^\infty \frac{k^m P}{k(1+Mk^2) \sinh kh - K \cosh kh} \cos kx \, dk,$$

where

$$P = (-1)^{m+1} [k(1+Mk^2) + K] e^{-kY} \cosh k(h-y) + e^{-k(h-Y)} [k(1+Mk^2) \cosh ky - K \sinh ky].$$

On page 328 the result (4.3) and the two lines following it should read:

$$(4.3) \quad \phi = \frac{P(\cos \zeta)}{\rho^{m+1}} + \frac{1}{m!} \int_0^\infty \frac{k^m Q}{k(1+Mk^2) \sinh kh - K \cosh kh} J_0(kR) \, dk,$$

where

$$Q = (-1)^m [k(1+Mk^2) + K] e^{-kY} \cosh k(h-y) + e^{-k(h-Y)} [k(1+Mk^2) \cosh ky - K \sinh ky].$$

Reference

- [1] P.F. Rhodes-Robinson, "Fundamental singularities in the theory of water waves with surface tension", *Bull. Austral. Math. Soc.* 2 (1970), 317-333.

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