Erratum
to “Scattering of water waves by a submerged disc using a hypersingular integral equation”

L. Farina, P.A. Martin
Department of Mathematics, University of Manchester, Manchester M13 9PL, UK

The Publisher regrets that several corrections were omitted from the final printed version. The following corrections should have been incorporated:

• On p. 122, Equation (5) should read:

\[ G(P; Q) = G(x, y, z; \xi, \eta, \zeta) = \left[ R^2 + (z - \zeta)^2 \right]^{-1/2} + \int_0^\infty \frac{k + K}{k - K} e^{i(z + \zeta)} J_0(kR) \, dk \]  

(5)

• On p. 123, Equations (9), (11) and (14) should read:

\[ \frac{1}{4\pi} \int_S \frac{\partial^2 G(p, q)}{\partial n_p \partial n_q} \, dS_q = V(p), \quad p \in S \]  

(9)

\[ G_r = \int_0^\infty \frac{k + K}{k - K} e^{i(z + \zeta)} J_0(kR) \, dk + 2\pi iK e^{i(z + \zeta)} J_0(KR) \]  

(11)

\[ F(X, Z) = \int_0^\infty \frac{v + 1}{v - 1} e^{-i\zeta z} J_0(vX) \, dv \]  

(14)

The unnumbered equation eight lines below Equation (15) should read:

\[ H_r = \int_0^\infty \frac{k + K}{k - K} e^{i(z + \zeta)} k^2 J_0(kR) \, dk \]

• On p. 124, Equations (17), (18), (19) and (21) should read:

\[ \frac{1}{4\pi} \int_S \left[ \phi(q) \right] \left\{ \frac{1}{R^3} + H_r(p, q) \right\} \, dS_q = V(p), \quad p \in S \]  

(17)

\[ \int_{-1}^1 \left\{ \frac{1}{(x - t)} + H(x, t) \right\} v(t) \, dt = f(x) \quad \text{for} \quad -1 < x < 1 \]  

(18)
\[ \frac{1}{n} \int_{-1}^{1} \frac{x(1 - t^2) U_n(t)}{(x - t)^2} \, dt = -(n + 1)U_n(x) \] (19)

\[ \frac{1}{4\pi} \left[ g(s, \alpha) \left\{ \frac{1}{R^3} + H_s(r, \theta; s, \alpha; d, K) \right\} s \, ds \, d\alpha \right] = V(r, \theta), \quad (r, \theta) \in S \] (21)

On p. 125, Equation (22) should read:

\[ \frac{1}{4\pi} \int_{S} \frac{1}{R^3} B^m_s(s, \alpha) \, s \, ds \, d\alpha = C_k \frac{B^m_s(r, \theta)}{\sqrt{1 - r^2}} \] (22)