Carl Newell · Thomas Mullarkey · Mark Clyne

Radiation stress due to ocean waves and the resulting currents and set-up/set-down

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C. Newell (✉) · T. Mullarkey · M. Clyne
Department of Civil Engineering,
National University of Ireland Galway,
University Road, Galway, Ireland
e-mail: carl.newell@nuigalway.ie
Tel.: +353-91-493086
Fax: +353-91-750507

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Unfortunately, Eqs. 12 and 13 were published with errors. The correct equations are given here.

$$\begin{aligned} \frac{\partial U_1}{\partial t} + U_1 \frac{\partial U_1}{\partial x} + g \frac{\partial \bar{\zeta}}{\partial x} + \frac{\overline{\tau_1^B}}{\rho(\bar{\zeta} + h)} \\ + \frac{1}{\rho(\bar{\zeta} + h)} \frac{\partial(S'_{11} + S''_{11})}{\partial x} = 0 \end{aligned} \quad (12)$$

$$\begin{aligned} \frac{\partial U_2}{\partial t} + U_1 \frac{\partial U_2}{\partial x} - \frac{\overline{\tau_2^B}}{\rho(\bar{\zeta} + h)} \\ + \frac{1}{\rho(\bar{\zeta} + h)} \frac{\partial(S'_{12} + S''_{12})}{\partial x} = 0 \end{aligned} \quad (13)$$