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Corrigendum

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Corrigendum

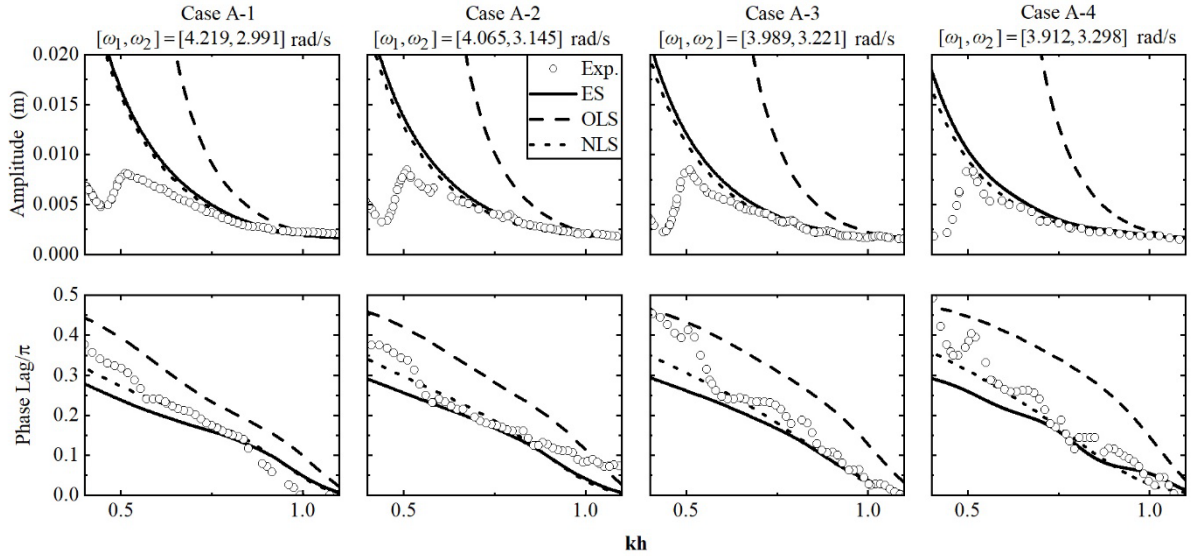
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10 Authors Zhiling Liao, Shaowu Li, Ye Liu, and Qingping Zou have noted a graphic error with
 11 FIG. 4 and a clerical error with Eq. (10) in their article “An analytical spectral model for
 12 infragravity waves over topography in intermediate and shallow water under nonbreaking
 13 conditions” that appeared in the September 2021 issue of the *Journal of Physical
 14 Oceanography*, Vol. 51, No. 9, pages 2749-2765, [https:// 10.1175/jpo-d-20-0164.1](https://doi.org/10.1175/jpo-d-20-0164.1). The
 15 corrected FIG. 4 appears as follows



16
 17 FIG. 4 Theory-data comparisons of the spatial evolution of the amplitude and phase lag with respect to group-
 18 forcing of group-forced infragravity waves for bichromatic wave groups with radian frequency ω_1 and ω_2 on
 19 a sloping beach of $h_x = -1/35$: the series A cases, Case A-1 to Case A-4, of Van Noorloos (2003) physical
 20 experiment (Exp., circles), the exact solution (ES, solid lines), off-resonant linear solution (OLS, Eqs. (12) and
 21 (17) in the original article, dashed lines), and nearly-resonant linear solution (NRS, Eqs. (19) and (21) in the
 22 original article, dotted lines) are presented. Wave parameters are $h_0 = 0.7\text{m}$, $a_1(x_0) = 5a_2(x_0) = 0.06\text{m}$.

23 The corrected FIG. 4 shows that the exact solution and the near-resonant solution agree with
 24 the experimental results better as the difference frequency of the tested bichromatic waves
 25 decreases. The errors are graphic and do not change the conclusions of the paper.

26 The corrected Eq. (10) reads

$$\begin{aligned}
 & F_{xx} + \left[(2\Lambda_1 + \delta - 1)\beta_1 + 2i \right] F_x + \left[(\Lambda_1 - 1)\beta_2 + (\Lambda_2 - \Lambda_1 + 1)\beta_1^2 + (2\Lambda_1 + \delta - 1)\beta_1 i - \mu \right] F \\
 & - \left[\Lambda_1\beta_2 + \Lambda_2\beta_1^2 + (2\Lambda_1 + \delta)\beta_1 i - 1 \right] = 0,
 \end{aligned}$$

27
 28 (10)

29 (Coefficient of $\beta_1^2 F$ should be $\Lambda_2 - \Lambda_1 + 1$). The error is clerical and the correct equation was
30 solved in the original paper.

31

32

33

REFERENCES

34 Liao, Z., S. Li, Y. Liu, and Q. Zou, 2021: An Analytical Spectral Model for Infragravity
35 Waves over Topography in Intermediate and Shallow Water under Nonbreaking
36 Conditions. *Journal of Physical Oceanography*, 51, 2749-2765,
37 <https://doi.org/10.1175/jpo-d-20-0164.1>.

38 Van Noorloos, J. C., 2003: Energy transfer between short wave groups and bound long waves
39 on a plane slope. master thesis, Faculty of Civil Engineering and Geosciences, Hydraulic
40 Engineering, TU Delft.

41