

## ***Interactive comment on “Tidal propagation in an oceanic island with sloping beaches” by Y. C. Chang et al.***

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In order for me to understand all derivations, one thing needs to be clarified first. There is a factor "2" involved which comes out of the blue. It is not a typo, since that factor "2" is still present in equation (A14) which has consequences for the rest of the paper and so for the results. This equation (11) is based on equation (6), see Bear, "Dynamics of Fluids in Porous Media", 1972, equation (7.1.32), page 255. The change from (6) to (11) is not correct as far as I can see. My opinions about the Scientific Significance, Quality, and Presentation Quality are not relevant for the moment.

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 1407, 2010.

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