

Interactive comment on “Hydroelastic analysis of ice shelves under long wave excitation” by T. K. Papathanasiou et al.

Anonymous Referee #2

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I did not find the paper very exciting and related to the SIS calving event. The authors have a potential to solve three-dimensional problem with actual bottom topography, more realistic ice cover and parameters of the incident wave. The two-dimensional problem was solved several times in the past. See, for example.

I.V. Sturova, A.A. Korobkin, Z.I. Fedotova, L.B. Chubarov, V.A. Komarov Nonlinear dynamics of non-uniform elastic plate floating on shallow water of variable depth Proceeding of the 5th international conference on hydroelasticity, Southampton, UK (2010).

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 3057, 2015.