

Interactive comment on “Reciprocal Green’s Functions and the Quick Forecast of Submarine Landslide Tsunami” by Guan-Yu Chen et al.

Anonymous Referee #3

Received and published: 23 July 2019

It is always interesting to see papers on tsunamis generated by landslides. However, the present manuscript fails to address some important issues linked to tsunamis generated by landslides: 1. Dispersion is usually more important for tsunamis generated by landslides than for tsunamis generated by earthquakes. The authors don’t discuss dispersion and use the shallow water equations, both in their own tool and in the numerical code they use to compare their results with (COMCOT). A discussion is essential. 2. Landslides are quite complex and involve a lot of different parameters. In the present paper, simplistic models of landslides are used and I am afraid that the present tool cannot be used for tsunami forecast. The bibliography is quite restricted and doesn’t cite some key review papers, such as "On the characteristics of landslide tsunamis" by Løvholt et al. <https://doi.org/10.1098/rsta.2014.0376> 3. It is almost meaningless to

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present numerical results without saying anything about the convergence of the results and about their precision.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-124>, 2019.

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