

***Interactive comment on “An analytical solution for tidal dynamics in the Yangtze Estuary, China” by E. F. Zhang et al.***

**HHG Savenije**

[h.h.g.savenije@tudelft.nl](mailto:h.h.g.savenije@tudelft.nl)

Received and published: 4 July 2012

Dear editor and referees,

In the attached document we provide more background on the set of equations used in the manuscript. The set of equations used only differs from the classical theory in the damping equation. All other equations are the same. Therefore a short comparison between these methods and the full derivation of the damping equation is provided in the attached pdf file. This derivation has been published before in several papers. Therefore we think it is not useful to include it in the present manuscript, but we hope that the inclusion in this discussion provides sufficient background for the evaluation of the manuscript.

C2753

Please also note the supplement to this comment:

<http://www.hydrol-earth-syst-sci-discuss.net/9/C2753/2012/hessd-9-C2753-2012-supplement.pdf>

---

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 9, 2213, 2012.