

Interactive comment on “On kinematics of very steep waves” by L. Shemer

L. Shemer

shemer@eng.tau.ac.il

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I thank the reviewer for his support of this work. In the following I deal with his comments. (i) I realize that the velocity of the breaker is important for remote sensing. However, no direct measurements of this parameter were carried out in this study. Apparently, the crest velocity of the steepest wave that in a wide-banded wave field may be different from both c_p and c_g , may be closely related to the breaker velocity. I prefer, however, to refrain from discussing this issue before more detailed measurements of the actual breaker's velocity are carried out (such measurements are currently carried out in an ongoing investigation in our laboratory). It is now stressed in the revision that the phase and group velocities of the dominant wave were calculated using the linear dispersion relation for waves of intermediate depth. (ii) The Introduction is now expanded considerably and the considerations leading to the choice of the Zakharov

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equation as the main tool in the analysis are presented. Alternative possibilities are briefly discussed and several relevant references are added, including the paper of Sclavounos and references therein.

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