

## ***Interactive comment on “Internal waves in marginally stable abyssal stratified flows” by Nikolay I. Makarenko et al.***

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1) Characteristic values of the Boussinesq parameters for abyssal currents that the authors use for comparison would complement and improve the text if they are added to the text. They will make the analysis more complete and characterize the domains of applicability of the new model.

The typical values of stratification parameters are discussed in the comments to Figure 5, which was specially added to the text. The Boussinesq parameter  $\sigma$  corresponding to the density profile shown in Fig. 5 is  $\sigma=0.0027$ , which provides applicability of the suggested theoretical model.

2) Figure caption of Fig. 2 requires explanation for the right panel related to the indi-

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cation of instability zone. There are comments in the text but it is highly desirable to include them into the figure caption. Many readers prefer analyzing the figures without referring to the text.

The Kelvin-Helmholtz instability zone and the parametric region of the existence of solitary waves are now indicated in Fig. 2 (right panel).

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