





2D modelisation of non-hydrostatic internal waves on idealised embankment

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Study aim : In this study, we test the possibility of integrated non-hydrostatics terms under weakly nonlinear and nonhydrostatic approximation in the isopycnic coordinate ocean model HYCOM in order to model the desintegration of internal waves into solitons on idealised embankment. Non-hydrostatic (NH) terms derived with this assumption are directly added to the hydrostatic equations.

