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A numerical study of oscillatory two-layer stratified flow over three-dimensional topography LAURA BRANDT, JAMES ROTTMAN, Science Applications International Corporation — A fully-nonlinear numerical model of two-layer stratified flow over three-dimensional topography is used to investigate the generation and propagation of interfacial waves by steady as well as oscillatory flows. Quantitative comparisons of the simulation results are made with shallowwater and weakly nonlinear theories. Qualitative comparisons are made with laboratory experiments and ocean observations.

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