

Interactive comment on “The structure of the Persian Gulf outflow subjected to density variations” by A. A. Bidokhti and M. Ezam

Anonymous Referee #1

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It would be helpful to declare upfront that the model equations result from geostrophic adjustment in which case potential vorticity is a global constant. In this case the width of the current and the interface height difference across it are functions of the reduced gravity and f and cannot be chosen independently.

This reviewer is not enough of a theoretician to judge how realistic the baroclinic adjustment can be when applied to a case of a single, lower layer on a sloping bottom.

Interactive comment on Ocean Sci. Discuss., 5, 135, 2008.

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