

Exploration of a model of the Shallow Water Equations

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1 Introduction

The shallow water equations (SWEs) are widely used in the field of ...

2 Theory

3 Results

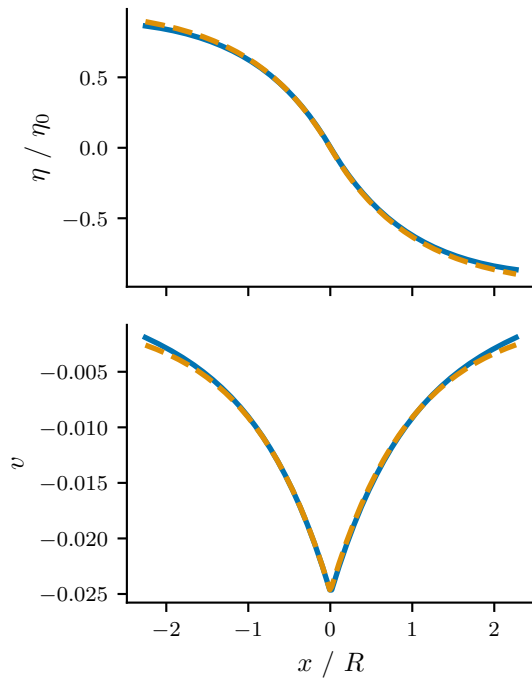


Figure 1: Upper: relative sea surface height. Lower: meridional velocity. Solid line shows numerical result, while dashed line shows analytical results.

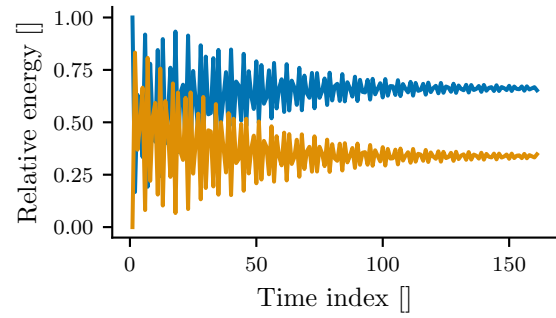


Figure 2: Relative energies where blue line shows potential energy and orange line shows kinetic energy.

4 Method

5 Discussion

6 Conclusion