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Some fluid-mechanical problems in geophysics—waves in the atmosphere and fault lubrication[☆]

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Abstract

Many geophysical processes occurring in the ocean and atmosphere are commonly investigated using fluid mechanics. Tsunami in the ocean, and atmospheric waves excited by volcanic eruptions and other causes are among the most typical problems in geophysics where fluid mechanics plays an important role. Several examples which pertain to the processes in the atmosphere and to earthquake faulting where fluid mechanics plays a key role are discussed in this short review.

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