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2.10 Lateral Open Boundary Conditions; 2.11 Computational Issues  
2.12 Examples; Chapter 3. Equatorial Dynamics and Reduced Gravity  
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Boundary Conditions

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Sommario/riassunto

Oceans play a pivotal role in our weather and climate. Ocean-borne commerce is vital to our increasingly close-knit global community. Yet we do not fully understand the intricate details of how they function, how they interact with the atmosphere, and what the limits are to their biological productivity and their tolerance to wastes. While satellites are helping us to fill in the gaps, numerical ocean models are playing an important role in increasing our ability to comprehend oceanic processes, monitor the current state of the oceans, and to a limited extent, even predict their future state.

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