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2.5.6. Calibration of Doppler effect current meters; 2.6. Determining time or measuring frequency; 2.6.1. The connection of clocks; 2.6.2. Time bases of instruments; 2.7. Determining position and movement; 2.7.1. The Argos system; 2.7.2. The global positioning system; 2.8. Determining the height of water; 2.8.1. Tide gauges; 2.8.2. Tide gauges with pressure sensors; 2.8.3. Keying and uniting of tide gauges; 2.9. Determining waves and swell characteristics; 2.9.1. Factors relating to the origins and modeling of swell
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2.11.4. In situ measurement of some other components

Sommario/riassunto

Through research, physical oceanography aims to solve the numerous problems stated by thermal, optical and dynamical properties of the oceans. Instrumentation and Metrology in Physical Oceanography describes the means used in oceanography to determine physical properties of the oceans by medium of in situ measurements. This book explores the theoretical functioning of sensors and instruments, as well as different practical aspects of using these tools. The content of this book appeals directly to technicians or engineers wishing to enhance their knowledge of instrumentation a
