

1. Record Nr.	UNINA9910782507203321
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Titolo	An introduction to ocean turbulence // S.A. Thorpe [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2007
ISBN	1-107-17760-X 0-511-80119-X 0-511-64941-X 0-511-36563-2 0-511-56887-8 0-511-36626-4
Descrizione fisica	1 online resource (xx, 240 pages) : digital, PDF file(s)
Disciplina	551.462
Soggetti	Ocean circulation Turbulence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 225-234) and index.
Nota di contenuto	Turbulence, heat and waves -- Measurement of ocean turbulence -- Turbulence in oceanic boundary layers -- Turbulence in the ocean pycnocline -- Turbulent dispersion -- Energetics of ocean mixing.
Sommario/riassunto	This textbook provides an introduction to turbulent motion occurring naturally in the ocean on scales ranging from millimetres to hundreds of kilometres. It describes turbulence in the mixed boundary layers at the sea surface and seabed, turbulent motion in the density-stratified water between, and the energy sources that support and sustain ocean mixing. Little prior knowledge of physical oceanography is assumed. The text is supported by numerous figures, extensive further reading lists, and more than 50 exercises that are graded in difficulty. Detailed solutions to the exercises are available to instructors online at www.cambridge.org/9780521859486 . This textbook is intended for undergraduate courses in physical oceanography, and all students interested in multidisciplinary aspects of how the ocean works, from the shoreline to the deep abyssal plains. It also forms a useful lead-in to the author's more advanced graduate textbook, The Turbulent Ocean

