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Titolo	A Cup of Coffee and the Ocean : The Basics of Ocean Dynamics // by Sung Yong Kim
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9668-35-2
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XXVII, 172 p. 158 illus., 156 illus. in color.)
Collana	Earth and Environmental Science Series
Disciplina	620.19
Soggetti	Soft condensed matter Fluid mechanics Oceanography Materials Fluidics Ecology Fluids Engineering Fluid Dynamics Ocean Sciences Biooceanography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Various motions of fluids -- Learning about fluids from a cup of coffee -- From a cup of coffee to the ocean -- Examples of ocean processes and safety remarks -- Unique phenomena in the ocean -- The way forward -- Mathematical presentations of ocean dynamics.
Sommario/riassunto	This book introduces various, easily understandable examples of fluids encountered in daily life. It describes the characteristics of these fluids, starting from a cup of coffee, a familiar small-scale fluid, to the vast ocean—one of the largest-scale fluids on Earth. Understanding the principles of fluids and their motion has long been complex and challenging. However, grasping these fundamentals opens doors to deeper exploration and discovery. This book engages middle and high school students, undergraduates, and curious readers in exploring the ocean's vast possibilities. Cartoons and simple language make the

concepts more accessible, helping readers not only understand fluids but also gain valuable safety insights related to the ocean.

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