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		Mathematical physics
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		Fluid mechanics
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	Nota di contenuto	1. Computational Fluid Dynamics: An Introduction -- 1.1 Advantages of Computational Fluid Dynamics -- 1.2 Typical Practical Problems -- 1.3 Equation Structure -- 1.4 Overview of Computational Fluid Dynamics -- 1.5 Further Reading -- 2. Partial Differential Equations -- 2.1 Background -- 2.2 Hyperbolic Partial Differential Equations -- 2.3 Parabolic Partial Differential Equations -- 2.4 Elliptic Partial Differential Equations -- 2.5 Traditional Solution Methods -- 2.6 Closure -- 2.7 Problems -- 3. Preliminary Computational Techniques -- 3.1

| Sommario/riassunto | This well-known 2-volume textbook provides senior undergraduate and postgraduate engineers, scientists and applied mathematicians with the specific techniques, and the framework to develop skills in using the techniques in the various branches of computational fluid dynamics. A solutions manual to the exercises is in preparation. |