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Altri autori (Persone)	GaldiGiovanni P RannacherRolf
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Nota di contenuto	PREFACE; CONTENTS; 1. Numerical Simulation of Fluid-Structure Interaction Based on Monolithic Variational Formulations Th. Dunne, R. Rannacher and Th. Richter; 2. Exterior Flows at Low Reynolds Numbers: Concepts, Solutions, and Applications Vincent Heuveline and Peter Wittwer; 3. Numerical Simulation and Benchmarking of Fluid-Structure Interaction with Application to Hemodynamics M. Razzaq, S. Turek, J. Hron, J. F. Acker, F. Weichert, I. Q. Grunwald, C. Roth, M. Wagner and; 4. Mathematical Analysis of Particulate Flows Jorge San Martin and Marius Tucsnak 5. Fluid-Structure Interaction Between Blood and Arterial Walls A. QuarteroniIndex
Sommario/riassunto	The interaction of a fluid with a solid body is a widespread phenomenon in nature, occurring at different scales and different applied disciplines. Interestingly enough, even though the mathematical theory of the motion of bodies in a liquid is one of the oldest and most classical problems in fluid mechanics, mathematicians have, only very recently, become interested in a systematic study of the basic problems related to fluid-structure interaction, from both

analytical and numerical viewpoints. "Fundamental Trends in Fluid-Structure Interaction" is a unique collection of important papers wr

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