1. Record Nr. UNINA9910827239003321

Autore	Durbin Paul A
Titolo	Statistical theory and modeling for turbulent flows / / P. A. Durbin, B.A. Pettersson Reif
Pubbl/distr/stampa	Hoboken, NJ, : Wiley, 2010
ISBN	9786612774454 9781119957522 1119957524 9781282774452 128277445X 9780470972076 0470972076 9780470972069 0470972068
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (373 p.)
Altri autori (Persone)	ReifB. A. Pettersson
Disciplina	532/.0527015118
Soggetti	Turbulence - Mathematical models Fluid dynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Statistical Theory and Modeling for Turbulent Flows; Contents; Preface; Preface to second edition; Preface to first edition; Part I FUNDAMENTALS OF TURBULENCE; 1 Introduction; 2 Mathematical and statistical background; 3 Reynolds averaged Navier-Stokes equations; 4 Parallel and self-similar shear flows; 5 Vorticity and vortical structures; Part II SINGLE-POINT CLOSURE MODELING; 6 Models with scalar variables; 7 Models with tensor variables; 8 Advanced topics; Part III THEORY OF HOMOGENEOUS TURBULENCE; 9 Mathematical representations; 10 Navier-Stokes equations in spectral space 11 Rapid distortion theoryPart IV TURBULENCE SIMULATION; 12 Eddy-resolving simulation; 13 Simulation of large eddies; References; Index
Sommario/riassunto	Providing a comprehensive grounding in the subject of turbulence, Statistical Theory and Modeling for Turbulent Flows develops both the

	physical insight and the mathematical framework needed to understand turbulent flow. Its scope enables the reader to become a knowledgeable user of turbulence models; it develops analytical tools for developers of predictive tools. Thoroughly revised and updated, this second edition includes a new fourth section covering DNS (direct numerical simulation), LES (large eddy simulation), DES (detached eddy simulation) and numerical aspects of eddy resolving

2. Record Nr. UNINA9910416078703321

Titolo	Augmented Reality, Virtual Reality, and Computer Graphics : 7th International Conference, AVR 2020, Lecce, Italy, September 7–10, 2020, Proceedings, Part I / / edited by Lucio Tommaso De Paolis, Patrick Bourdot
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-58465-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (489 pages)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics, , 3004-9954 ; ; 12242
Disciplina	006.8
Soggetti	Image processing - Digital techniques Computer vision Computer networks Computer engineering Artificial intelligence Software engineering Computer Imaging, Vision, Pattern Recognition and Graphics Computer Communication Networks Computer Engineering and Networks Artificial Intelligence Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto	Virtual Reality -- Augmented Reality -- Mixed Reality -- 3D Reconstruction and Visualization.
Sommario/riassunto	The 2-volume set LNCS 12242 and 12243 constitutes the refereed proceedings of the 7th International Conference on Augmented Reality, Virtual Reality, and Computer Graphics, AVR 2020, held in Lecce, Italy, in September 2020.* The 45 full papers and 14 short papers presented were carefully reviewed and selected from 99 submissions. The papers discuss key issues, approaches, ideas, open problems, innovative applications and trends in virtual reality, augmented reality, mixed reality, 3D reconstruction visualization, and applications in the areas of cultural heritage, medicine, education, and industry. * The conference was held virtually due to the COVID-19 pandemic.