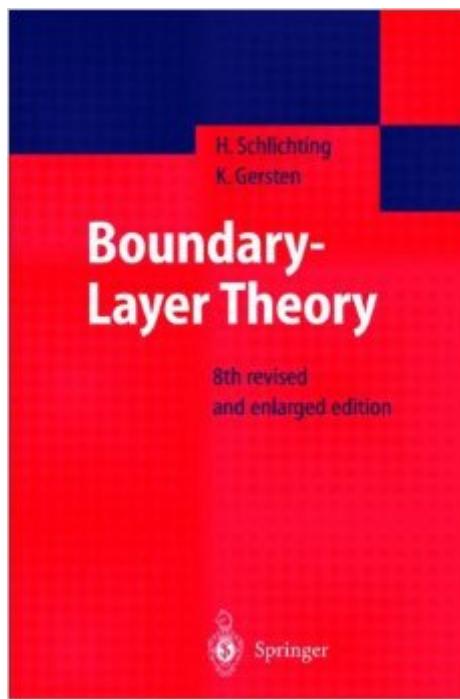


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Boundary-Layer Theory



Synopsis

A new edition of the almost legendary textbook by Schlichting completely revised by Klaus Gersten is now available. This book presents a comprehensive overview of boundary-layer theory and its application to all areas of fluid mechanics, with emphasis on the flow past bodies (e.g. aircraft aerodynamics). It contains the latest knowledge of the subject based on a thorough review of the literature over the past 15 years. Yet again, it will be an indispensable source of inexhaustible information for students of fluid mechanics and engineers alike.

Book Information

Hardcover: 800 pages

Publisher: Springer; 8th edition (March 22, 2000)

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ISBN-10: 3540662707

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Product Dimensions: 9.2 x 1.7 x 6.1 inches

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Average Customer Review: 4.4 out of 5 starsÂ See all reviewsÂ (10 customer reviews)

Best Sellers Rank: #646,229 in Books (See Top 100 in Books) #48 inÂ Books > Engineering & Transportation > Engineering > Aerospace > Aerodynamics #147 inÂ Books > Engineering & Transportation > Engineering > Chemical > Fluid Dynamics #190 inÂ Books > Science & Math > Physics > Solid-State Physics

Customer Reviews

this is a classic book. however, the new 8th edition is not translated very well. i have an older english version (6th edition, 1968) that is translated much better. even where the content is the same between the two editions, the "updated" translation is worse than in the original version.

This is the classic book on the subject to be ever written and retains its class by incorporating some of the recent developments in the boundary layer theory. A great collection for anyone in the field of turbulence, aerodynamics ...

Although I have only the first edition, I still find it to be of immense value, and hands-down superior to any other book on the subject (save the newer edition perhaps). It seamlessly weaves together theory, mathematics, and experimental observation, into a very readable and (surprisingly)

interesting text. Because it explains the fundamentals so well, Schlichting's book is one of those rare engineering classics that will continue to be of value for a very long time to come.

Amazing text by the original author, revised and updated and delivered in a new, clean package. Great book and THE text for anyone learning about or doing high end research in boundary layers.

This is a classic and complete book for someone looking to transform their knowledge in Fluid Mechanics. The first 5 chapters could serve as the textbook for an upper level undergraduate class in Fluid Mechanics. The derivations are insightful and explained very well. Even though the main subject of the book is boundary layers, I found the text to be helpful (even more so than the assigned texts) for general purpose fluid mechanics courses where boundary layers were not the main topic. This book is a great reference and I would suggest it to anyone looking to learn more about fluids.

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