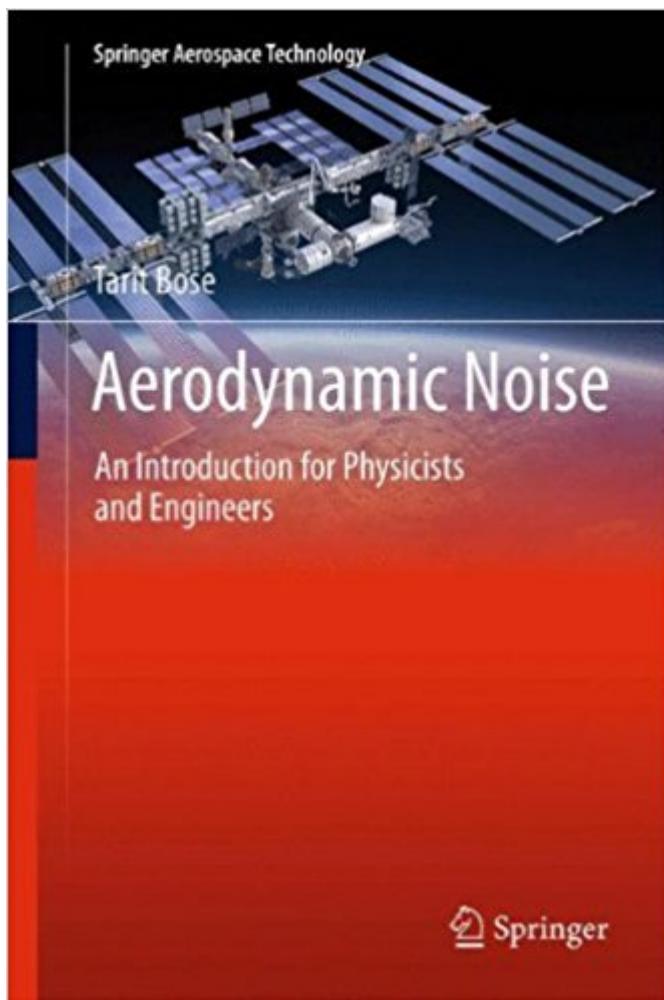


The book was found

Aerodynamic Noise: An Introduction For Physicists And Engineers (Springer Aerospace Technology)



Synopsis

Aerodynamic Noise extensively covers the theoretical basis and mathematical modeling of sound, especially the undesirable sounds produced by aircraft. This noise could come from an aircraft's engine, propellers, fans, combustion chamber, jets, or the vehicle itself or external surfaces or from sonic booms. The majority of the sound produced is due to the motion of air and its interaction with solid boundaries, and this is the main discussion of the book. With problem sets at the end of each chapter, Aerodynamic Noise is ideal for graduate students of mechanical and aerospace engineering. It may also be useful for designers of cars, trains, and wind turbines.

Book Information

Series: Springer Aerospace Technology (Book 7)

Hardcover: 170 pages

Publisher: Springer; 2013 edition (November 9, 2012)

Language: English

ISBN-10: 1461450187

ISBN-13: 978-1461450184

Product Dimensions: 6 x 0.6 x 9.2 inches

Shipping Weight: 15.5 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #904,496 in Books (See Top 100 in Books) #76 in Books > Engineering & Transportation > Engineering > Aerospace > Aerodynamics #361 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Acoustics #482 in Books > Engineering & Transportation > Engineering > Aerospace > Astronautics & Space Flight

Customer Reviews

From the reviews: "The text is concise, though clearly written. This fairly short book comes complete with an index and a useful list of references. most useful to engineers and professionals of other disciplines who wish to obtain an introduction to the physics and terminology of aerodynamic noise, perhaps to allow more informed interaction with aeroacousticians or as a precursor to further study." (Craig J. Mead, The Aeronautical Journal, January, 2014) "Aerodynamic Noise is a seven step introductory textbook on numerical aero-acoustics. Aerodynamic Noise is a good course book and is also a useful reference for anyone wanting to quickly get up to speed on numerical aeroacoustics. It could be used at the senior undergraduate or graduate level of study. Aerodynamic Noise is a good textbook for teaching a course and an OK

reference for non-academic settings. • (Jon Mooney, Noise Control Engineering Journal, Vol. 61 (2), March-April, 2013)

Aerodynamic Noise extensively covers the theoretical basis and mathematical modeling of sound, especially the undesirable sounds produced by aircraft. This noise could come from an aircraft's engine • propellers, fans, combustion chamber, jets • or the vehicle itself • external surfaces • or from sonic booms. The majority of the sound produced is due to the motion of air and its interaction with solid boundaries, and this is the main discussion of the book. With problem sets at the end of each chapter, Aerodynamic Noise is ideal for graduate students of mechanical and aerospace engineering. It may also be useful for designers of cars, trains, and wind turbines.

It is a great book for beginners at the topic. I suggest for anyone who wants to start studying aeroacoustics

[Download to continue reading...](#)

Aerodynamic Noise: An Introduction for Physicists and Engineers (Springer Aerospace Technology)
Magnetofluid Dynamics for Engineers and Applied Physicists Theory of Aerospace Propulsion, Second Edition (Aerospace Engineering) Theory of Aerospace Propulsion (Aerospace Engineering)
Noise-Induced Hearing Loss: Scientific Advances (Springer Handbook of Auditory Research)
Sailing Theory and Practice. A Scientific Analysis, with 335 Drawings and Photographs of the Aerodynamic, Hydrodynamic and Other Design Factors which Define a Yacht's Behaviour. Airplane Design Part VI : Preliminary Calculation of Aerodynamic Thrust and Power Characteristics Mathematics and Technology (Springer Undergraduate Texts in Mathematics and Technology)
Foundations of Aerodynamics: Bases of Aerodynamic Design Practical Intake Aerodynamic Design An Introduction to Tensors and Group Theory for Physicists Mathematical Methods for Physicists: A Concise Introduction General Relativity: An Introduction for Physicists An Introduction to Mathematical Finance with Applications: Understanding and Building Financial Intuition (Springer Undergraduate Texts in Mathematics and Technology) Secrets of Antigravity Propulsion: Tesla, UFOs, and Classified Aerospace Technology Physics for Scientists and Engineers: Vol. 2: Electricity and Magnetism, Light (Physics, for Scientists & Engineers, Chapters 22-35) Camping With the Corps of Engineers: The Complete Guide to Campgrounds Built and Operated by the U.S. Army Corps of Engineers (Wright Guides) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) The Wright Guide to Camping With the Corps of Engineers: The Complete Guide to Campgrounds Built and Operated by the U.S.

Army Corps of Engineers (Wright Guides) Tiny House Engineers Notebook: Volume 1, Off Grid Power: Tiny House Engineers Notebook: Volume 1, Off Grid Power

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)