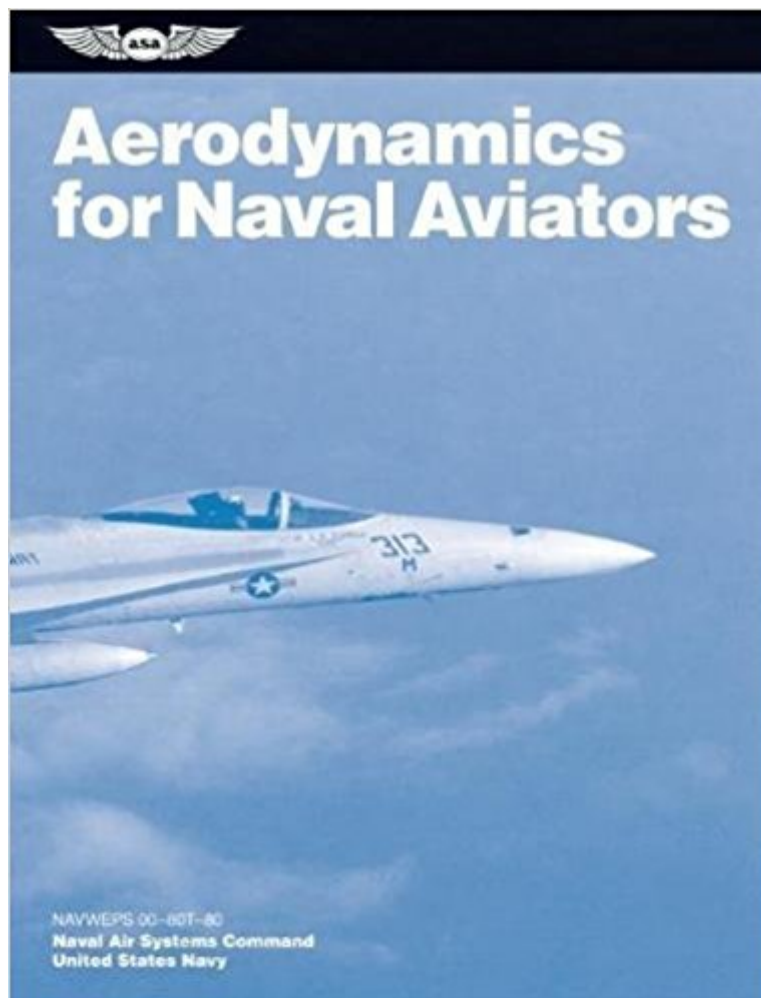




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Aerodynamics For Naval Aviators: NAVWEPS 00-80T-80 (FAA Handbooks Series)



Synopsis

This textbook presents the elements of applied aerodynamics and aeronautical engineering which relate directly to flight training and general flight operations. Originally published by the U.S. Navy and revised in 1965. A long-established U.S. Navy publication also used by the U.S. Air Force as well as by the FAA as a source reference for their own publications, for more than 50 years this textbook has been a definitive source that communicates the complexities of applied aerodynamics and aeronautical engineering for both the beginner and the experienced pilot. Flight safety and effectiveness depends greatly on the understanding and appreciation of how and why an airplane flies, and this resource teaches aerodynamic principles, providing the foundation for developing precise flying techniques and operational procedures. The information in "Aerodynamics for Naval Aviators" is applicable to flight training, transition training, reciprocating and turbine-powered airplanes, and general flying operations. It offers the elements of both theory and application, covering basic aerodynamics, high-speed aerodynamics, airplane performance, stability and control, operation strength limitations, and the application of aerodynamics to specific problems of flying, such as the region of reversed command, wind shear, effects of ice and frost, ground effect, and collision avoidance. Also included are an index and a list of selected references.

Book Information

Series: FAA Handbooks series

Paperback: 432 pages

Publisher: Aviation Supplies and Academics, Inc.; Revised edition (December 1, 2012)

Language: English

ISBN-10: 1619540177

ISBN-13: 978-1619540170

Product Dimensions: 8.3 x 0.8 x 10.8 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars 20 customer reviews

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Customer Reviews

The U.S. Navy's Naval Air Systems Command is the division that provides material

support for aircraft and airborne weapon systems and is the successor to the Bureau of Naval Weapons.

I bought this on the recommendation of my CFI when working toward my ATP. Only about 10% of the book is understandable to the average, every-day Joe Sixpack pilot, unless you happen to be an Aerodynamic Engineer who understands complex mathematical equations.

Content is dry dry dry. That said, it's is GREAT content. This book is not a good place to start your journey on understanding aerodynamics, but is is good for expanding knowledge. This book has really helped move my understanding from a basic level to an advanced teaching level.

It's a reprint of an old version, so the print isn't crisp/clear... looks like an old school copy/print from before digital printing/copying. Does it have great aero information? Yes. Is it easy to digest, hell no!! Buy this book if you want to fall asleep or if you have the patience to read heavy/thick aerodynamics. There are other easier to read aero books out there.

book arrived before I expected and as described. looks great. I cannot wait to read this from cover to cover!

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most comprehensive text of aeronautics written such that a pilot would understand. It's my most common reference to this topic while providing instruction

All the pictures are super saturated black and white. The information in the text is extremely useful, not just for pilots, but also for beginning aerospace engineering students.

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