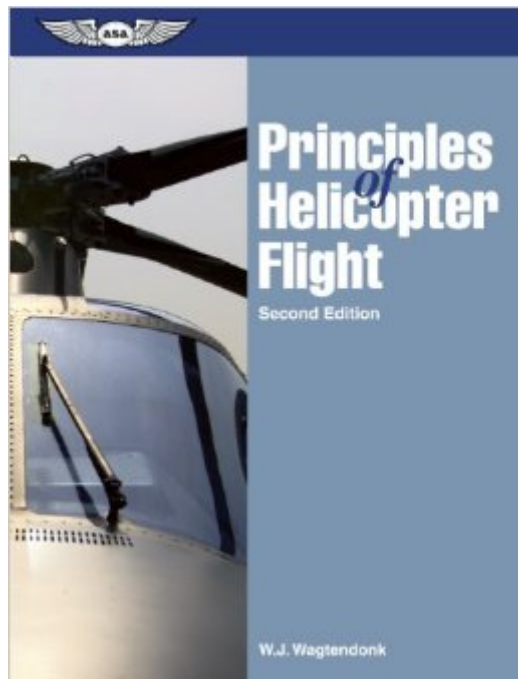


The book was found

Principles Of Helicopter Flight



Synopsis

Recently updated, this comprehensive handbook explains the aerodynamics of helicopter flight, as well helicopter maneuvers, unlike many aviation training manuals which are strictly how-to guides. Beginning aerodynamics, each step of the process is fully illustrated and thoroughly explainedâfrom the physics advanced operations to helicopter design and performanceâproviding helicopter pilots with a sound base to base their in-flight decisions. Containing discussions on the NOTAR (no tail rotor) system, strakes, principles of airspeed and high-altitude operations, this revised edition also includes the latest procedures Federal Aviation Administration.

Book Information

Paperback: 320 pages

Publisher: Aviation Supplies and Academics, Inc.; 2nd edition (July 1, 2006)

Language: English

ISBN-10: 1560276495

ISBN-13: 978-1560276494

Product Dimensions: 8.2 x 0.8 x 10.9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 starsÂ See all reviewsÂ (56 customer reviews)

Best Sellers Rank: #250,973 in Books (See Top 100 in Books) #11 inÂ Books > Engineering & Transportation > Transportation > Aviation > Helicopters #103 inÂ Books > Textbooks > Engineering > Aeronautical Engineering #157 inÂ Books > Engineering & Transportation > Transportation > Aviation > Piloting & Flight Instruction

Customer Reviews

This is NOT a flight instruction book, and is quite heavy reading. It requires a basic understanding of physics and mathematics in order to comprehend the descriptions and explanations. With that said, this is a must-have book for all aspiring rotorheads! This book is a terrific technical manual regarding the physics behind rotary-winged flight. It explains through diagrams and mathematical formulae both how and why helicopters fly. I highly recommend this book to anyone who really wants an understanding of rotary-winged flight, and to student helicopter pilots, as knowing the WHY is just as important as the HOW of flying.

Having just completed my CPL (rotor) examinations, I must say it was great to have a book that was easy to understand & supplied me with the answers as they arose in the practical flying hours

thereafter. I am sure that anyone who reads the book from cover to cover a few times would have a very good understanding of the complexities involved in the world of rotary-winged craft. Thank you Walter.

There's not many textbooks on helicopter aerodynamics for student pilots (private and commercial alike). And having used it to prepare for my license I have found that there's no one better on the market.

This is an excellent book for the beginning pilot. You DO NOT need to have a prior knowledge of physics to understand this book. If you can read and follow diagrams, you can understand the book. The text is clear and concise as are the diagrams. It gives you a full and thorough understanding of a very complex machine. If you have a hard time understanding this book you may want to reconsider piloting a helicopter.

This is a good book for anyone wanting to become familiar with the in depth "nuts and bolts" of helicopter flight. It may be a little too complex for someone who is just trying to learn the basics of how a helicopter flies. The book tends to assume that some of the scientific principles are generally understood by all readers. In my opinion, not a good first book.

I purchased this book as an optional book for a helicopter theory class, knowing nothing about helicopters going into the class. Since, I have found this book an essential read to supplement the FAA's rotorcraft flying handbook. Principles of Helicopter Flight delves deep into the theory of helicopter operation more than the FAA version, with chapters broken up well for each subject. It also follows a very logical, simple format so that people not familiar with basic physics concepts can pick up the book and learn everything they need to know. Overall, it is the perfect text for new pilots and veterans alike. Engineers will have to use it only as reference, as it does not delve too deep into the equations of flight theory and aerodynamics. Principles of Helicopter Flight

I fly radio controlled helicopters and wanted to understand the principles of flight plus some flight characteristics that baffled me. The combination of clear explanations of flight behavior and excellent graphics make this book an excellent choice. The physics that underlie the performance of a helicopter are covered in just the right level of detail. The reaction to various control inputs and the various mechanisms that provide those inputs are thoroughly explained and are accompanied by

excellent drawings and graphs. No matter what size of helicopter you fly, this book will help you understand why a helicopter performs as it does.

I purchased this book because I needed another study guide for the AFAST exam. The explanations, diagrams and glossary words were key for me. Anyone with moderate knowledge of physics shouldn't have any issue with this book. After talking to several helicopter pilots I do feel that some things were left out of the book, but overall this book is excellent for getting familiarized with basic helicopter principles.

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

Helicopter Pilot's Manual: Principles of Flight and Helicopter Handling Helicopter Pilot's Manual Vol 1: Principles of Flight and Helicopter Handling Certified Flight Instructor Test Prep 2012: For the Ground, Flight, Military Competency and Sport Instructor: Airplane, Helicopter, Glider, ... FAA Knowledge Exams (Test Prep series) The Student Pilot's Flight Manual: From First Flight to Private Certificate (The Flight Manuals Series) Principles of Helicopter Flight Principles of Helicopter Flight (ASA Training Manuals) Bell 206 206B JetRanger III TH-57 Helicopter Student FLIGHT TRAINING INSTRUCTION Manual Commercial Pilot and Flight Instructor for Helicopter Practical Test Standards: FAA-S-8081-16A/FAA-S-8081-7B (Practical Test Standards series) Black Hawk: The Story of a World Class Helicopter (Library of Flight) Helicopter Flight Dynamics (AIAA Education) Road to Mach 10: Lessons Learned from the X-43a Flight Research Program (Library of Flight Series) Flight Lessons 2: Advanced Flight: How Eddie Learned the Best Way to Learn The Complete Works of Herbert Spencer: The Principles of Psychology, The Principles of Philosophy, First Principles and More (6 Books With Active Table of Contents) Aviation Humor: Poking Fun At Airplane & Helicopter Pilots Rescue Pilot : Life-Saving At-Sea Navy Helicopter Missions Helicopter Pilot Oral Exam Guide (Oral Exam Guide series) Helicopter Pilot's Manual: Mountain Flying and Advanced Techniques Volume 3 Snake Pilot: Flying the Cobra Attack Helicopter in Vietnam Whirlybirds: A History of the U.S. Helicopter Pioneers The Helicopter: Thinking Forward, Looking Back

[Dmca](#)