Understanding Flight

By David W. Anderson, Scott Eberhardt


Reviews

It is one of the most popular publication. It really is written in easy words and not difficult to understand. You are going to like how the author write this book.
-- Prof. Evans Balistreri DDS

Completely essential go through book. This is for all who state there had not been a worthy of reading through. It is extremely difficult to leave it before concluding, once you begin to read the book.
-- Lydia Legros
Understanding Flight 1st Edition. by David Anderson (Author), Scott Eberhardt (Author). 4.7 out of 5 stars 29 ratings.Â This book provides a completely understandable and coherent explanation of flight. It doesn't bog you down in math and intuitively describes the basics of aerodynamics including performance, stability, and control. Highly recommended! Thorsten. Status: Nov. 24th, 2009. Quite a few aircraft in FlightGear are capable of supersonic flight. For some of them, notably modern fighter aircraft, supersonic flight does not require any specific action by the pilot. Nevertheless, it may be useful to understand why the aircraft behaves somewhat different when the speed of sound is approached. For other aircraft, such as the Concorde or the SR-71 Blackbird, operating the aircraft in supersonic flight means following elaborate climb-out.
3. The Science of Flight and the Paradox of Flying Pterosaurs. Galileo’s Square-Cube Law plays its role in determining the maximum weight of flying objects. The larger, heavier flying animals or airplanes require a disproportionally greater amount of power to fly. So if there is a limitation on the amount of power available, then there is a limitation on the mass of the flying animal or airplane. For airplanes, the largest airplanes must use jet engines since to obtain flight these heavy airplanes requires the most powerful engines.

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...they...develop different...intuitive way of thinking about how airplanes fly [and] delve into highspeed flight and aerodynamic testing. - - Flight Training, May, 2001. [The authors]...develop a different, more intuitive way of thinking about how airplanes fly...[and] delve into high-speed flight and aerodynamic testing. - - Flight Training, May 2001. From the Back Cover. Get to the heart of how planes fly.

Understanding Flight. David F. Anderson Scott Eberhardt. McGraw-Hill. This approach is useful to one who desires a more intuitive understanding of airplanes and of flight. This book is written for those interested in airplanes in general, and those interested in becoming more proficient pilots. Teachers and students who are looking for a better understanding of flight will find this book useful.