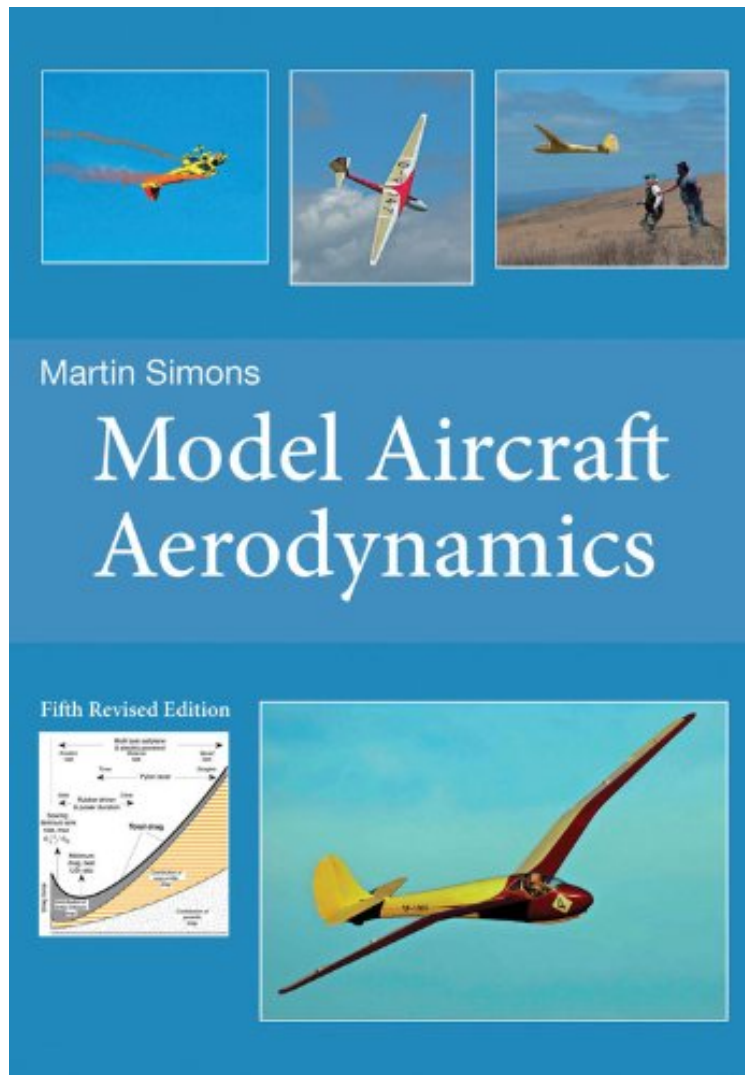


Model Aircraft Aerodynamics

Martin Simons

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Martin Simons : Model Aircraft Aerodynamics before purchasing it in order to gage whether or not it would be worth my time, and all praised Model Aircraft Aerodynamics:

2 of 2 people found the following review helpful. Amazing book, best availableBy M. TillmanThis book will teach you everything you need to know to get started designing model aircraft (from an aerodynamic perspective). A working knowledge of math is required, and to get the most out of the contents you will need to have a good understanding of airplanes (and hopefully some design ideas in mind). Most importantly, this book will help you UNDERSTAND many of the calculations and design trades done in model airplanes (and why you might want to choose one design feature or another). Coupling this book with some of the computer based tools available (many of

them free) will put you well on your way to model aircraft design.4 of 4 people found the following review helpful. Model Aircraft Aerodynamics - indispensable bookBy RentNetguruCovers fundamentals of model aircraft design and engineering in a way that ferrets out the subtle and significant considerations for building a small scale aircraft. Martin Simons long experience with small scale aircraft shows the value and limits of advanced math applied to aircraft. Yet, the book use of math is practical and does not require advanced math. This book is one of the most useful relevant books I have read in this area. It is a how-to cookbook to improve most aspects of model aircraft construction and can be used for ARF (almost ready to Fly) kit planes and really tweak them for high performance flying. You will not regret getting this book!Someone liked my copy so much I had to re-order, the newer version is definitely an improvement.3 of 3 people found the following review helpful. Good for the hard core RC pilotBy D.C.F.This book contains a lot of information about wing design, theory and applied aerodynamics. It's not for the faint of heart, or someone who is intimidated by math. Though the author does a good job of minimizing equations and complex physics. One of my complaints is that a lot of the illustrations are on different pages than the text that references them. I realize this is hard to get around, but I found it annoying when trying to understand a concept in the text I had to bounce back and forth to an illustration on another page. If you are a serious glider pilot or someone who likes to design RC airframes, this book should be on your shelf.

This is the latest edition - fully revised and updated - of the standard textbook on aerodynamic theory, as applied to model flight. Everything is explained in a concise and practical form for those enthusiasts who appreciate that a better understanding of model behaviour is the sure path to greater success and enjoyment, whether just for fun or in competition. The revisions for this new edition reflect the significant developments in model aircraft during the last few years, and include brand new data: - The chapter on aerofoils has been rewritten to take account of the vast amount of testing carried out recently in the USA by the University of Illinois. - A brand new chapter explains the latest research into the flight of birds and insects and how it is applied to small drones and model-sized surveillance aircraft. - Older wind tunnel test reports all replaced with the latest trials and measurements.

About the AuthorMartin Simons' interest in aviation goes back more than sixty years. He remains actively involved in designing, building and flying model aircraft and full-scale sailplanes. Born in England in 1930, he now lives in Australia where for twenty-five years he was a senior lecturer in education at the University of Adelaide. He has published numerous articles and several books on model flying and was the editor of Australian Gliding magazine for ten years.