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Basics Of R/C Model Aircraft Design: Practical Techniques For Building Better Models: Practical Techniques For Building Better Models



Synopsis

First published in Model Airplane News, these acclaimed articles by Andy Lennon help us understand aerodynamics and design basics -- everything from simple drag reduction techniques to advanced canard design. Includes concrete guidance and many practical examples.

Book Information

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Customer Reviews

This book is packed with information, most of it very good for the scratch designer, but it could use some better organization and clearer examples. There is also some misprints in the formulas (Ch1 formula 4 is repeated erroneously in Ch 3). The engine info is all given in volume units, making it hard for electric modelers to relate. Static stability could use more analytical treatment. For more in-depth look at aerodynamics see Simon's "Model Aircraft Aerodynamics", a very good read. For really hard core but clearly presented control and stability info, look at Brandt's "Introduction to Aeronautics", and Raymer's "Aircraft Design - A Conceptual Approach"

I like it, this should not be the only book that you need for design but part. It has practical references to design, not too much maths.

Fun to read. A little simplistic... but a great way to start your RC building career :-)

This book is an excellent, time-tested guide to designing radio controlled model aircraft. Mr. Lennon explains everything in a confident and crisp tone. But most people just starting out in designing might find this book a little intimidating owing to the large number of math-like graphs and formulas

right from page one. But if you are willing to persevere in your interest to design extremely reliable R/C modelled aircrafts then you should definitely read this book/guide. Thanks.

A great book for anyone interested in designing your own RC planes. A great deal of needed information to get the job done.

This book lacks organization of thoughts. It has a lot of information, but not well organized and not presented in a methodical way. Some of the graphs and charts are just horrible and difficult to read. If you keep at it and read the chapters again and again, you will begin to understand airplane design. Not really for a beginner.

If you're interested in building time tested design features into your airplane to maximize its performance, this book will certainly meet your expectations. It's not the kind of book you only read once, hence its worth, it's a reference book that you'll keep going back to everytime you undertake a new project. Every chapter holds something useful you wish you had known before. The chapter on ducted cowls-i.e. building a nice, streamlined, good looking cowling- was one of my favorites. A book I definitely recommend for the serious modeler.

This book expects some knowledge about model airplane aerodynamics. It covers design and choice of appropriate airfoil, wing planform, fuselage inertia and layout, control surfaces size and shape, canard design, flying wing, reducing drag, ducted cowl design and others. He also explains all of the approaches on particular models that he designed and flew. This book belongs to the library of every serious airplane modeller.

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