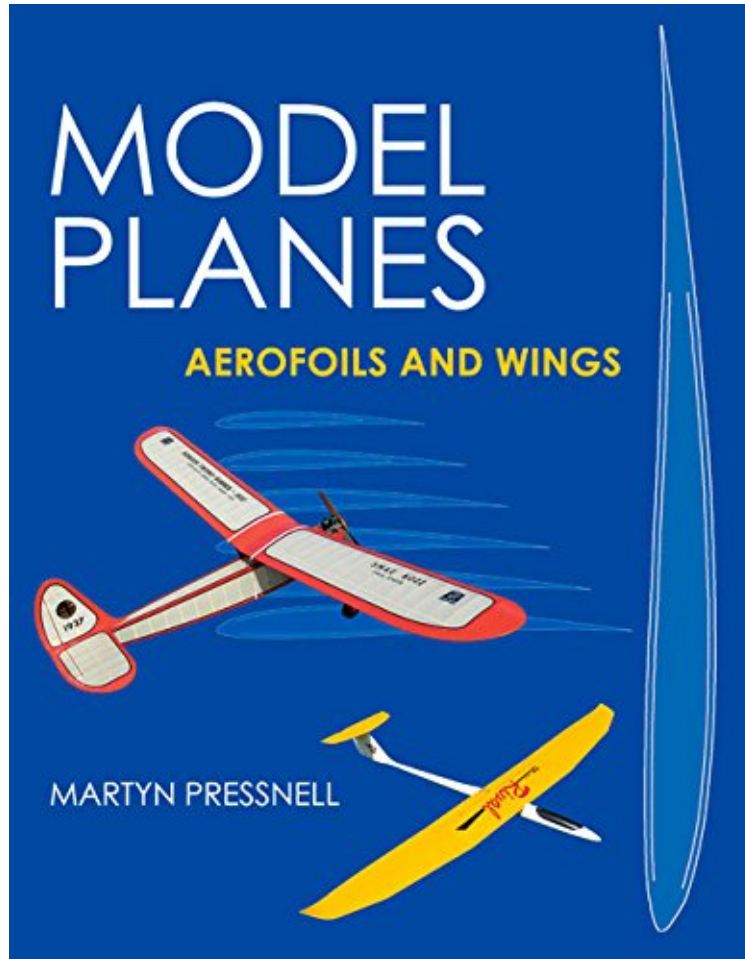


(Download free ebook) Model Planes: Aerofoils and Wings

Model Planes: Aerofoils and Wings

Martyn Pressnell

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A guide to the aerodynamic principles of flying model planes Model flying is a skillful and diverse hobby and a recognized international sport. The broad principles of flight as applied in full-size aviation are equally important to flying models, but are not always recognized or understood by aeromodelers. This book explains the aerodynamic principles of the "aerofoil" and the way that wings produce lift, which is essential to establishing flight. It includes 48 sheets of aerofoils, drawn for the direct use of aeromodelers, and a detailed method of plotting these on a home computer is given, using Excel or a similar platform. Written by a distinguished aerospace engineer with a passion for modeling, this comprehensive volume is perfect for enthusiastic aeromodelers looking to hone their craft.

'Well written and accessible to readers of varied aerodynamic backgrounds...This book is aimed at modellers and written by a modeller and is thoroughly recommended for anyone wanting to better understand why a designer has chosen a particular section, or if they wish to go on and adapt or design their own model.' Aeromodeller 'Martyn's book is well illustrated throughout, with a large number of clearly annotated drawings and well-produced photographs. It is highly recommended for a wide range of modellers, from those who just want an easy to read understanding of the basic principles of aerofoils, as well as more academic readers who will eagerly absorb the book's wealth of technical information and who will want to work through the mathematical equations and formulas provided.' RC Model World 'In this book Martyn brings together those years of experience with his professional background in full size aerodynamics. Martyn covers in a very readable style both the theory and the practical operation of wing sections.' BMFA News 'This is an airfoil book quite different from most books on this topic. The author has made a genuine effort at presenting this complicated topic in a lucid form, without excessive detail or mathematical requirements, but not omitting essential points.' Free Flight Quarterly 'This book is a practical guide to the aerodynamic principles of the aerofoil and the way that wings produce lift, which is vital to establishing flight.' The Handley Page Association Newsletter
About the Author Martyn Pressnell is a former model designer and former airframe structures engineer.