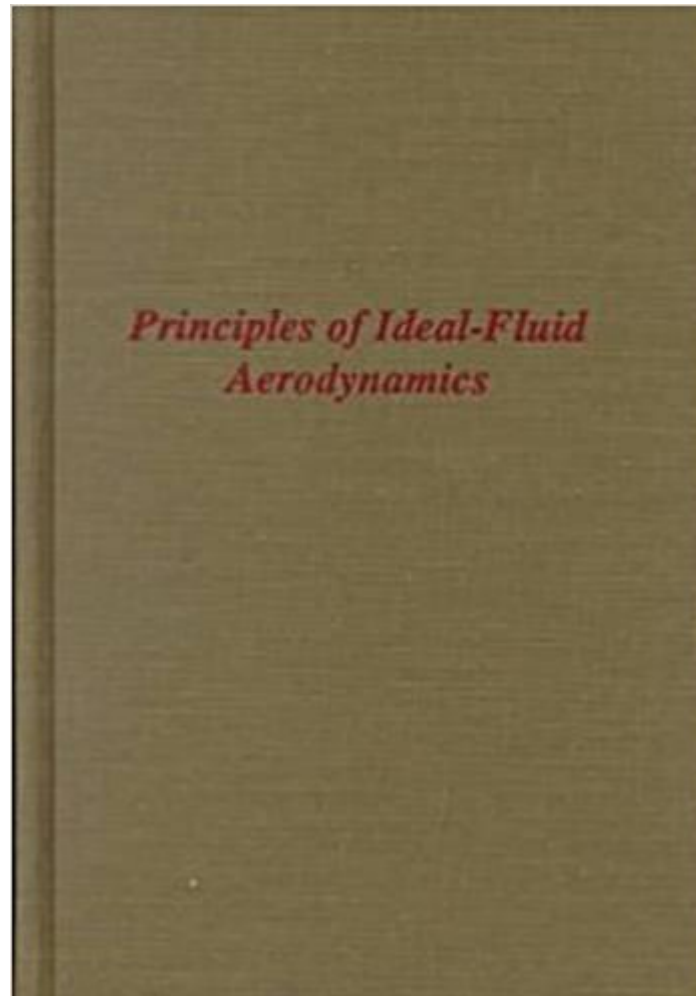




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Principles Of Ideal-Fluid Aerodynamics



Synopsis

The prerequisite for the study of this book is a knowledge of matrices and the essentials of functions of a complex variable. It has been developed from courses given by the authors and probably contains more material than will ordinarily be covered in a one-year course. It is hoped that the book will be a useful text in the application of differential equations as well as for the pure mathematician.

Book Information

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Customer Reviews

I read Prof. Krishnamurty's book for the first time in the early 70's as a student. I recently purchased the corrected version and read the book again. This book is still remarkable for its treatment of fundamentals, clearly and precisely. All the mathematics necessary, is contained in this book and expressed beautifully. I would suggest that this book be read before one reads texts that emphasize CFM in order to understand the fundamentals of Aerodynamics. As an interdisciplinary engineer, I would recommend this book as a companion to a course in electromagnetic fields so that the student can see the analogies between both subjects and the origins of Maxwell's equations as Maxwell used fluid mechanical analogies in order to postulate his equations. This book is a tribute to the late Prof Krishnamurty who, before his death, in 93', contributed greatly to the field and excelled as a great teacher.

Very well written, very clear. Definitely a classic and a must have for every serious student of the aeronautical sciences. When i asked my professor in flight dynamics. Me: Do you know this book? I think it is a good book. My professor: No no, its a great book!

As stated, an excellent Ideal Flow text that is kind of 'mathy' and not written as a traditional less-theory-more-application engineering text. The material is presented in a way that would appeal to Physicists ,Applied Mathematicians as well as Aerospace Engineers

Since the end of the 1960`s,Interest in classical aerodynamics is going down,and a great body of knowledge is in danger of being forgotten.This book is a good starting point for AE students who want to be "real" aerodynamicists,like in the good old days.

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