



A Well Posed Boundary Value Problem in Transonic Gas Dynamics (Classic Reprint) (Paperback)

By Jose M Sanz

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from A Well Posed Boundary Value Problem in Transonic Gas Dynamics The problem of calculating continuous transonic flow past such an airfoil was shown by C. Morawetz [20] to be not well posed. Motivated by the method of complex characteristics, a transonic boundary value problem was developed in [9] for a certain domain obtained by analytic extension to complex values of the independent variables. Complex conjugate characteristic coordinates E and n were introduced. In these coordinates the stream function is real in the subsonic domain but complex otherwise. The new boundary value problem is set by prescribing the real part of on the boundary of the unit circle. This problem has, as yet, not been shown to be well posed, although its numerical solution was found successfully. Our contribution will be to show that a corresponding problem for the Tricomi equation is well posed. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving...

DOWNLOAD



READ ONLINE
[6.97 MB]

Reviews

It is really an incredible publication that we have possibly study. Of course, it really is engage in, continue to an interesting and amazing literature. You are going to like how the writer compose this publication.

-- **Bailey Lehner**

A must buy book if you need to adding benefit. It really is writer in straightforward words and not difficult to understand. I am just pleased to let you know that here is the best ebook i have got read through in my individual daily life and may be he best book for ever.

-- **Prof. Charles Boehm**