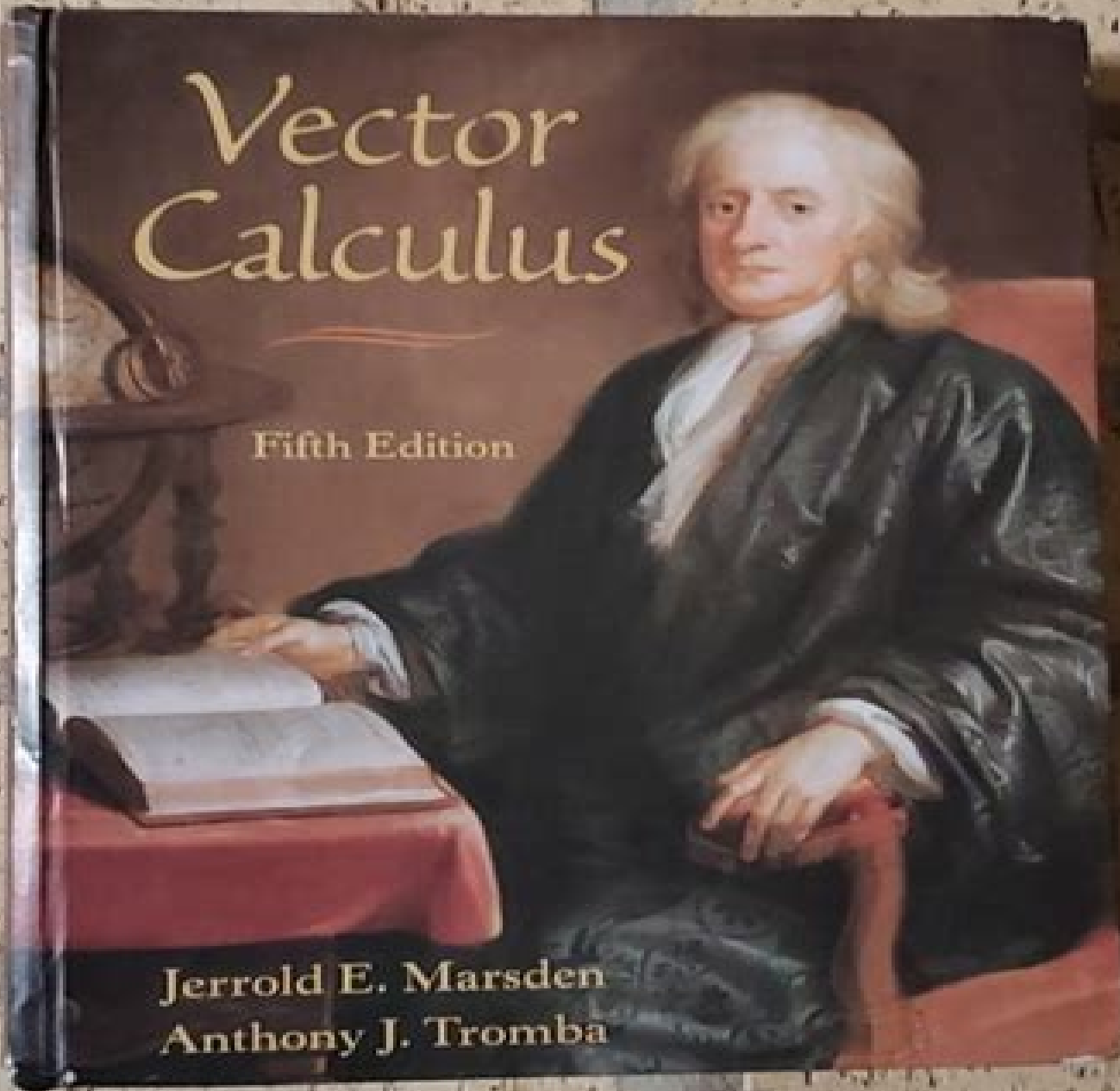


# Vector Calculus

Fifth Edition

Jerrold E. Marsden  
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***Partial Differential Equations*** Mark S.

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*Foundations of Analysis* David French Belding, Kevin J. Mitchell, 2008-01-01. This treatment develops the real number system and the theory of calculus on the real line extending the theory to real and complex planes. Designed for students with one year of calculus it features extended discussions of key ideas and detailed proofs of difficult theorems. 1991 edition.

*Partial Differential Equations* Walter A. Strauss, 2007-12-21. Our understanding of the fundamental processes of the natural world is based to a large extent on partial differential equations (PDEs). The second edition of *Partial Differential Equations* provides an introduction to the basic properties of PDEs and the ideas and techniques that have proven useful in analyzing them. It provides the student a broad perspective on the subject, illustrates the incredibly rich variety of phenomena encompassed by it and imparts a working knowledge of the most important techniques of analysis of the solutions of the equations. In this book mathematical jargon is minimized. Our focus is on the three most classical PDEs: the wave, heat and Laplace equations. Advanced concepts are introduced frequently but with the least possible technicalities. The book is flexibly designed for juniors, seniors or beginning graduate students in science, engineering or mathematics.



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