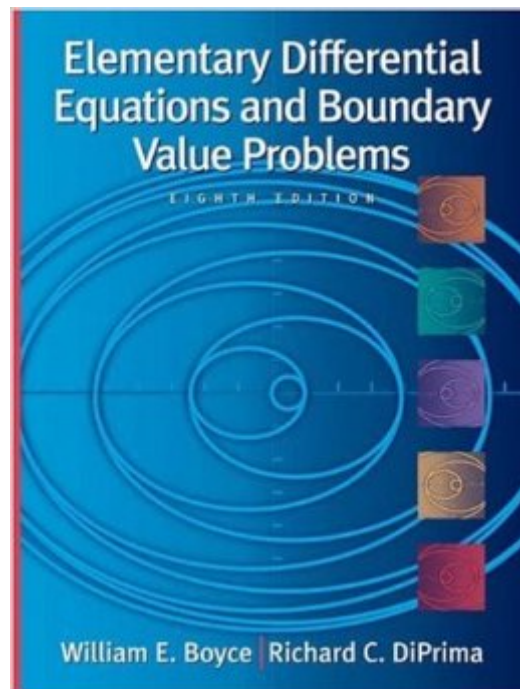# Elementary Differential Equations And Boundary Value Problems , 8th Edition, With ODE Architect CD

# Synopsis

This revision of the market-leading book maintains its classic strengths: contemporary approach, flexible chapter construction, clear exposition, and outstanding problems. Like its predecessors, this revision is written from the viewpoint of the applied mathematician, focusing both on the theory and the practical applications of Differential Equations as they apply to engineering and the sciences. Sound and Accurate Exposition of Theory--special attention is made to methods of solution, analysis, and approximation. Use of technology, illustrations, and problem sets help readers develop an intuitive understanding of the material. Historical footnotes trace development of the discipline and identify outstanding individual contributions.

# Book Information

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# Customer Reviews

I used an earlier version of Boyce & DiPrima and hated it like most everyone else here. (Why is it that all the crappy textbooks live on, edition-after-edition, inflicted on a new batch of students year-after-year?) To get through my DE course I used the book by Dennis G. Zill. It was pretty good. Zill's book is still around. Comes in several different flavors.For those looking for a better book than Boyce/Diprima I've listed all recent, introductory DE books I could find on :"An Introduction to Ordinary Differential Equations" by James C. Robinson (ISBN 0521533910). This provides a very gentle introduction. does not cover Laplace transforms.Shepley L. Ross has 2 books: an intro book (Introduction to Ordinary Differential Equations, 4th Edition ISBN: 978-0-471-09881-2) and a regular text (Differential Equations, 3rd Edition, ISBN: 978-0-471-03294-6) which have garnered good reviews.Can also try "Elementary Differential Equations" by Kohler and Johnson.Physical

Science/Engineering/applications oriented:2 books by John Polking (one on DEs and one on ODEs/BVPs)Elementary Differential Equations by William TrenchFundamentals of Differential Equations by Nagle, Saff & SniderAn Introduction to Differential Equations and Their Applications by Stanley J. Farlow (ISBN 048644595X). He's also got a PDE book.For the engineers: you might want to skip a separate DE book altogether and get a combined book. Something like Linear Algebra and Differential Equations by Peterson and SochackiOR just get all of Ken Stroud's engineering math books:"Engineering Mathematics" by K.A. Stroud, Dexter Booth"Advanced Engineering Mathematics" by K.A.

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