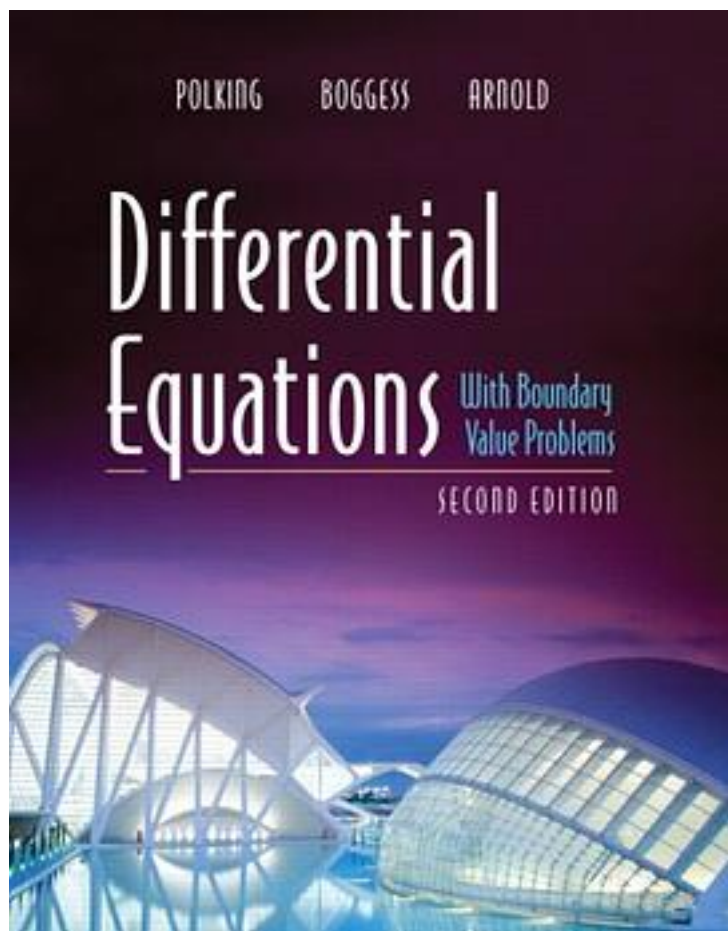


Differential Equations with Boundary Value Problems



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Brannan provides engineers with both an introduction to, and a survey of, modern methods, applications, and theory of a powerful mathematical apparatus that will help

them in the field. Section exercises of varying levels of difficulty give them hands-on experience in modeling, analysis, and computer experimentation. New coverage is included on series solutions of second order linear equations, partial differential equations and Fourier Solutions, and boundary value problems and Sturm-Liouville Theory. The companion ODE Architect CD arms them with a user-friendly software tool for computing numerical approximations to solutions of systems of differential equations, and for constructing component plots, direction fields, and phase portraits. Physical representations of dynamical systems and animations available in the ODE Architect enable engineers to visualize solutions routinely.

作者介绍:

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标签

评论

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书评

这书是给工科的学生用的. 重于计算而不是理论. 例题不多, 其中好的例题更不多, 好的习题也不多, 难以很好的阐释理论和方法, 对学生巩固和加强知识的帮助也有限. 不过美国很多学校都用这套书, 也许实在是没有更好的工科教材了. 总之不适合自学, 不适合数学系的学生使用, 但可...

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