



Schaum's Outline of Partial Differential Equations (Schaum's Outlines)

By Paul DuChateau, D. Zachmann

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- 290 fully worked problems of varying difficulty
- Clear, concise explanations of differential and difference methods
- Help with variation formulation of boundary value problems and variation approximation methods
- Outline format supplies a concise guide to the standard college course in partial differential equations
- Appropriate for the following courses: Partial Differential Equations I, Partial Differential Equations II, Applied Math I, Applied Math II
- Complete course content in easy-to-follow outline form.
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Schaum's Outline of Partial Differential Equations (Schaum's Outlines) By Paul DuChateau, D. Zachmann Bibliography

- Sales Rank: #557443 in Books
- Published on: 2011-01-27
- Released on: 2011-01-27
- Original language: English
- Number of items: 1
- Dimensions: 10.90" h x .50" w x 8.20" l, .88 pounds
- Binding: Paperback
- 256 pages

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Editorial Review

From the Back Cover

Master partial differential equations with Schaum's--the high-performance study guide. It will help you cut study time, hone problem-solving skills, and achieve your personal best on exams! Students love Schaum's Outlines because they produce results. Each year, hundreds of thousands of students improve their test scores and final grades with these indispensable study guides. Get the edge on your classmates. Use Schaum's!

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- Brush up before tests
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- Study quickly and more effectively
- Get the big picture without spending hours poring over lengthy textbooks

Schaum's Outlines give you the information teachers expect you to know in a handy and succinct format--without overwhelming you with unnecessary details. You get a complete overview of the subject. Plus, you get plenty of practice exercises to test your skill. Compatible with any classroom text, Schaum's lets you study at your own pace and reminds you of all the important facts you need to remember--fast! And Schaum's are so complete, they're perfect for preparing for graduate or professional exams.

Inside, you will find:

- 290 detailed problems with step-by-step solutions
- Clear, concise explanations of differential and difference methods
- Help with variational formulation of boundary value problems and variational approximation methods
- A solved-problem approach that teaches you with hands-on help
- Exercises for improving your problem-solving skills

If you want top grades and thorough understanding of partial differential equations, this powerful study tool is the best tutor you can have!

About the Author

Paul DuChateau, Ph.D. is currently Professor of Mathematics at Colorado State University in Fort Collins, Colorado. He received his B.Sc. in engineering science and his Ph.D. in mathematics at Purdue University in 1962 and 1970 respectively. In addition to teaching, he has worked as an applied mathematician for General Motors and United Aircraft corporations and has held visiting positions at Argonne National laboratory. He has received government funding for research in applied mathematics and has published extensively in the area of partial differential equations.

David W. Zachmann, Ph.D. is Professor of Mathematics at Colorado State University. He received his Ph.D. in applied mathematics from the University of Arizona in 1970 and his B.S. in mathematics from Colorado State University in 1965. During 1983 he was a visiting senior research scientist at the CSIRO Environmental Mechanics Division in Canberra, Australia. His research in applied mathematics has been supported by various government agencies. In addition to his teaching and research activities, he frequently serves as a consultant to industry and government.

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