



Complex Variables Demystified

By David McMahon

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Written in an easy-to-follow format, this book begins by covering complex numbers, functions, limits, and continuity, and the Cauchy-Riemann equations. You'll delve into sequences, Laurent series, complex integration, and residue theory. Then it's on to conformal mapping, transformations, and boundary value problems. Hundreds of examples and worked equations make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce learning.

This fast and easy guide offers:

- Numerous figures to illustrate key concepts
- Sample problems with worked solutions
- Coverage of Cauchy-Riemann equations and the Laplace transform
- Chapters on the Schwarz-Christoffel transformation and the gamma and zeta functions
- A time-saving approach to performing better on an exam or at work

Simple enough for a beginner, but challenging enough for an advanced student, *Complex Variables Demystified* is your integral tool for understanding this essential mathematics topic.

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Editorial Review

About the Author

David McMahon has worked for several years as a physicist and researcher at Sandia National Laboratories. He is the author of *Linear Algebra Demystified*, *Quantum Mechanics Demystified*, *Relativity Demystified*, and *MATLAB Demystified*, among other successful titles.

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