Complex Function Theory

UTokyo Engineering Course / Basic Mathematics

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Takeo Fujiwara

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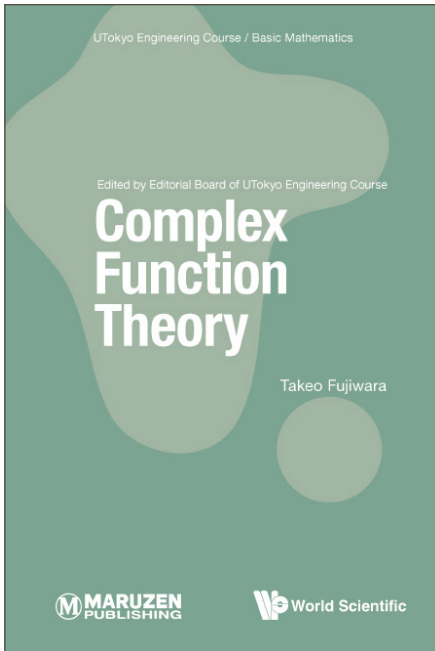
By Takeo Fujiwara
(*The University of Tokyo, Japan*)

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ABOUT THE BOOK

The basics of complex functions will be explained for students of Engineering Sciences, with the aim of being able to use "complex function theory" as a tool. The goal is not rigor as mathematics, but ease of use that may suit the application. Explanations are based on concrete examples rather than abstract general theory. The book starts from very beginning of complex numbers, and extends theory of Introduction to Elliptic Function and Hypergeometric Differential Equations.

READERSHIP

Undergraduate students majoring in engineering and other mathematical sciences.

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