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enough to understand and execute E - I) arguments. The actual pre requisites for reading this book are quite minimal; not much more than a stiff course in basic calculus and a few facts about partial derivatives. The topics from advanced calculus that are used (e.g., Leibniz's rule for differ entiating under

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the integral sign) are proved in detail. Complex Variables is a subject which has something for all mathematicians. In addition to having applications to other parts of analysis, it can rightly claim to be an ancestor of many areas of mathematics (e.g., homotopy theory, manifolds). This view of

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is that part of Complex
Analysis which covers the
theory of conformal and
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classical Riemann mapping theorem, there is a lot of existence theorems for canonical conformal mappings. On the other side there is an extensive theory of qualitative

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properties of conformal
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mappings, concerning
mainly a priori estimates,
so called distortion
theorems (including the
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the proof of the Branges). Here a starting point was the classical Schwarz lemma, and then Koebe's distortion theorem. There are several connections to mathematical physics,

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theory, including the standard convergence theorems, Fubini's theorem, and the Carathéodory extension theorem. Classical differentiation theorems,

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