

# Download Complex Proofs Of Real Theorems

This is the second book in the Rudin series suitable for the first year graduate student who has completed Rudin's first book, "Mathematical Analysis" (Chapters 1-7 and 11) or any introductory 1-year course in Real Analysis at the undergraduate senior level. This is the second book in the Rudin series suitable for the first year graduate student who has completed Rudin's first book, "Mathematical Analysis" (Chapters 1-7 and 11) or any introductory 1-year course in Real Analysis at the undergraduate senior level. A complex number  $z$  can thus be identified with an ordered pair  $(\operatorname{Re}(z), \operatorname{Im}(z))$  of real numbers, which in turn may be interpreted as coordinates of a point in a two-dimensional space. BEST theorem (graph theory) Babuška–Lax–Milgram theorem (partial differential equations) Baily–Borel theorem (algebraic geometry) Baire category theorem (topology, metric spaces)