

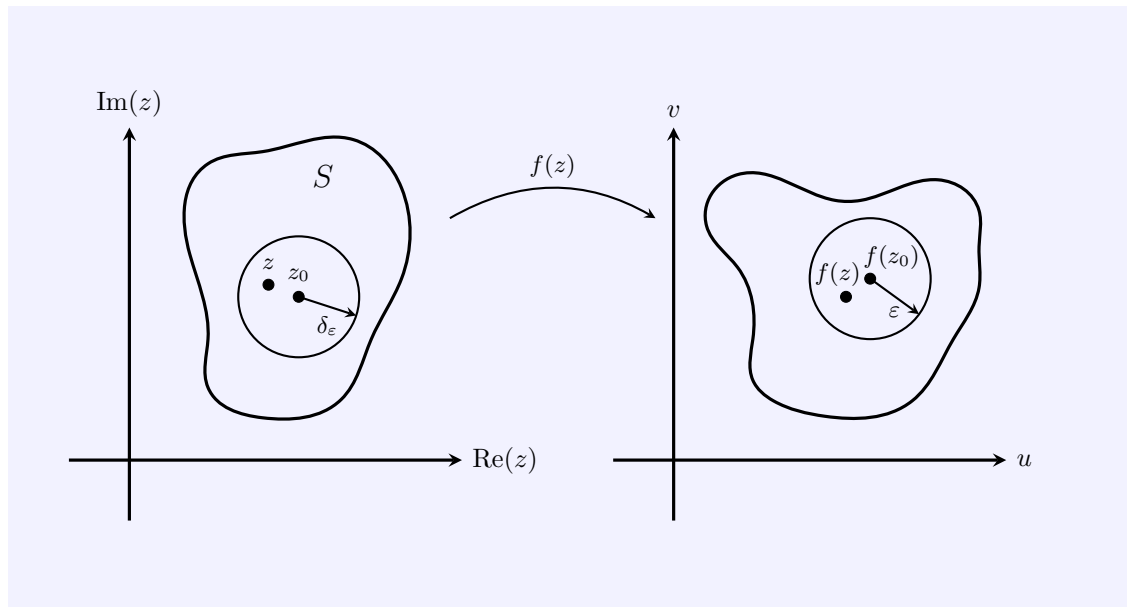
Figures Mathematical Techniques For Engineers

Complex Analysis

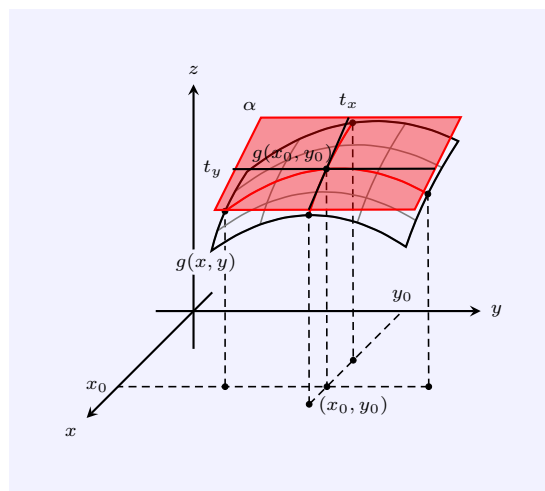
Felix Claeys, Brecht Verbeken, Simon Verbruggen

September 13, 2025

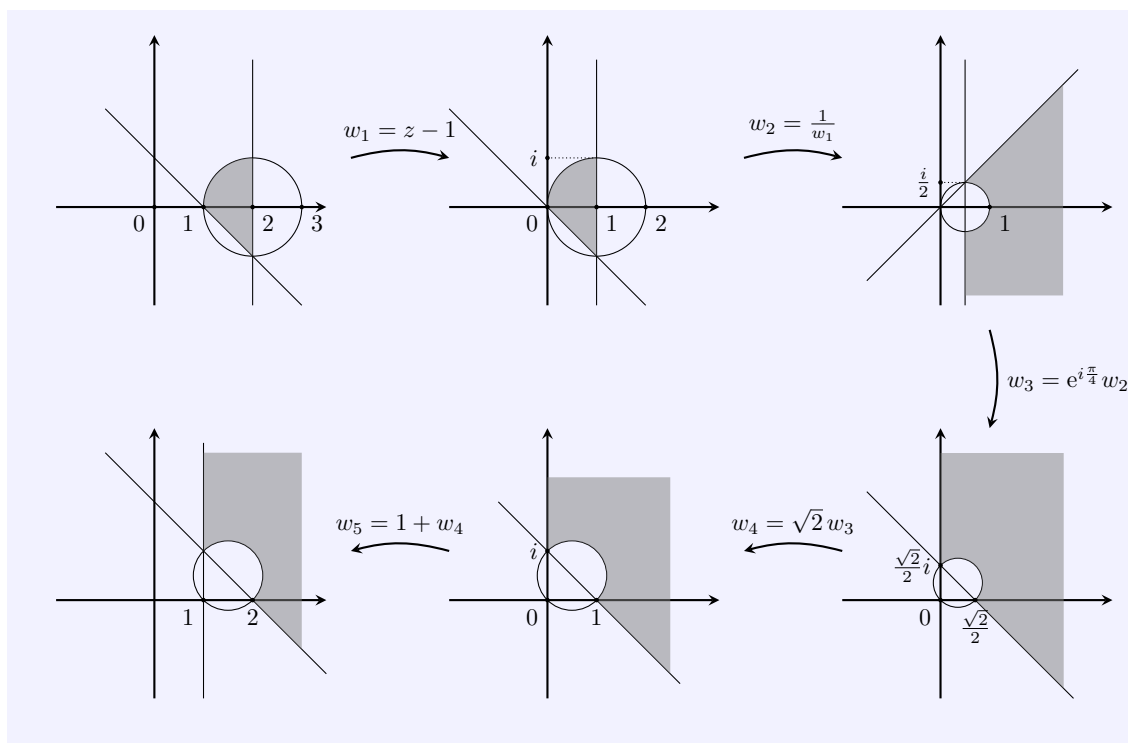
2.1.1 Continuity Definition



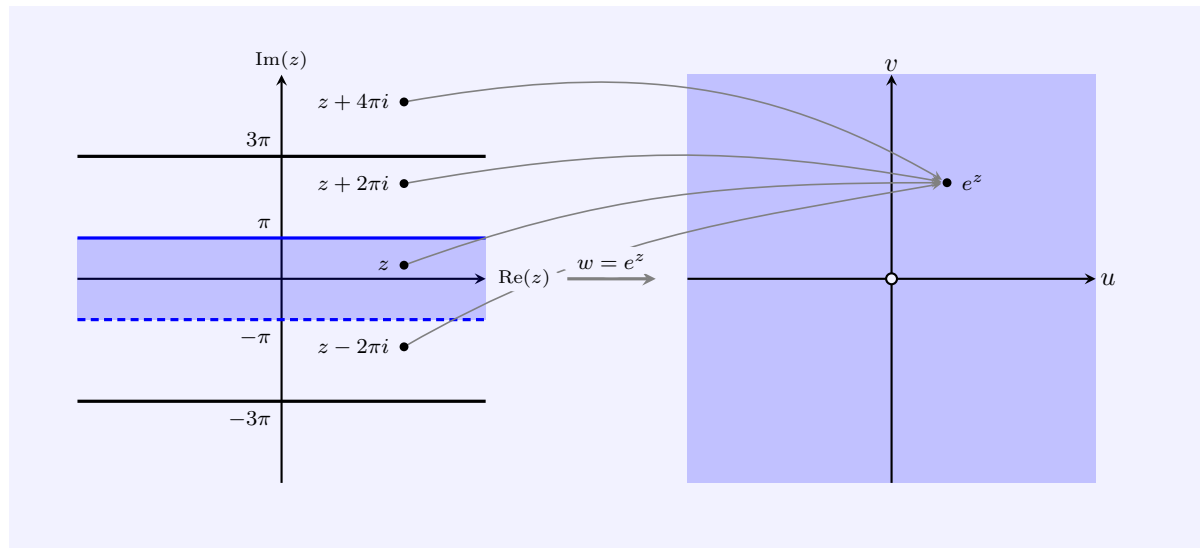
2.4 Geometrical Interpretation Of The Complex Derivative



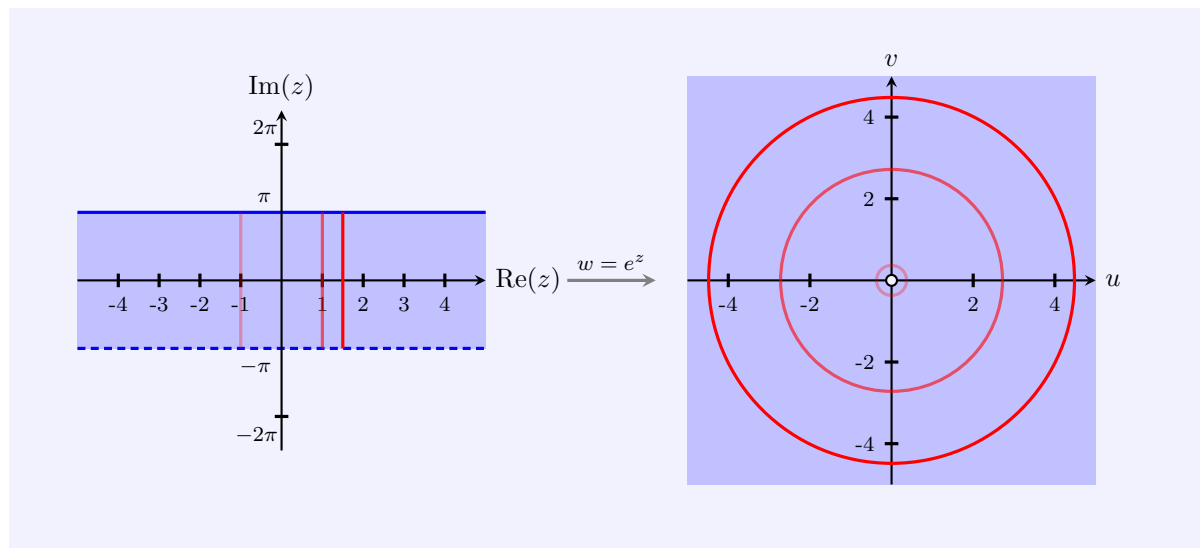
3.2 Bilinear transforms



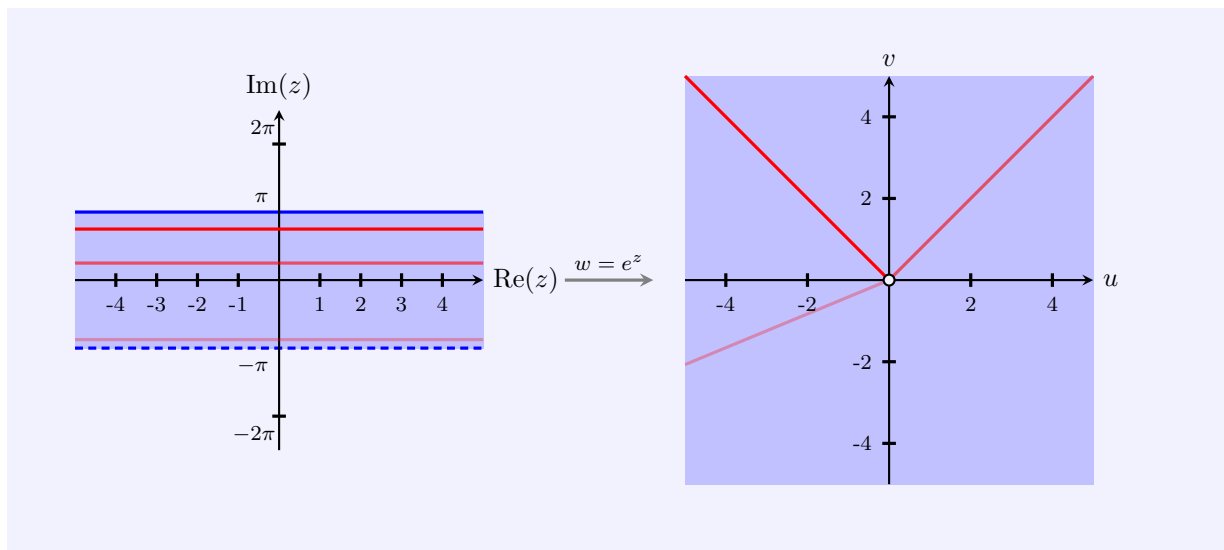
3.5.1 Exponential function periodicity



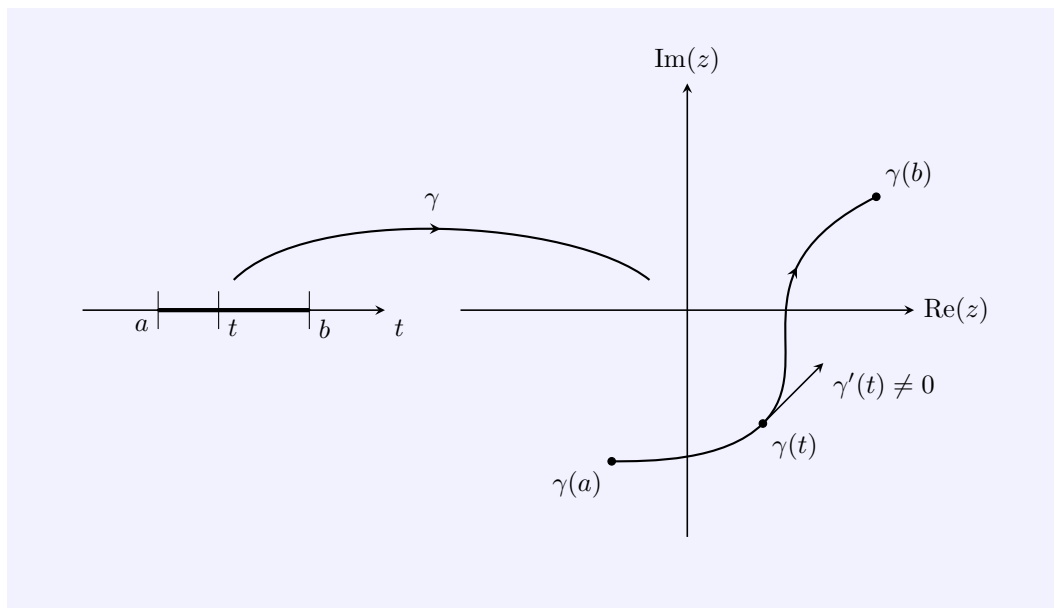
3.5.2 Exponential function image vertical lines



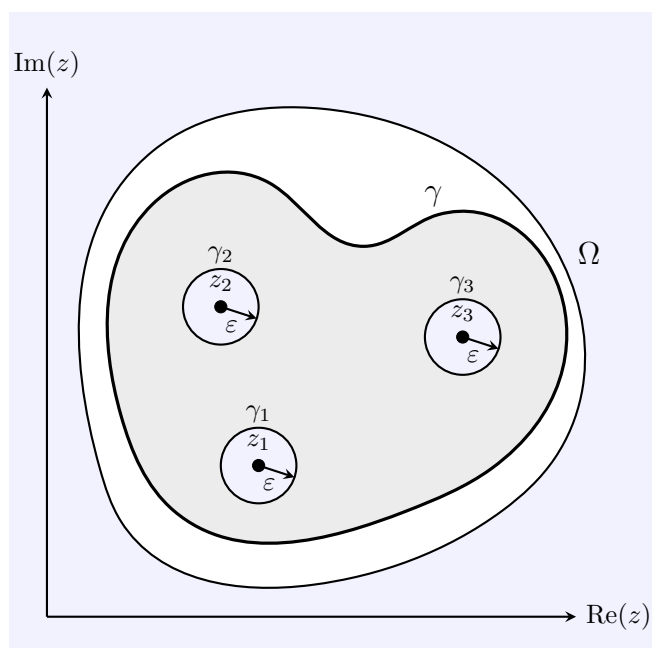
3.5.3 Exponential function image horizontal lines



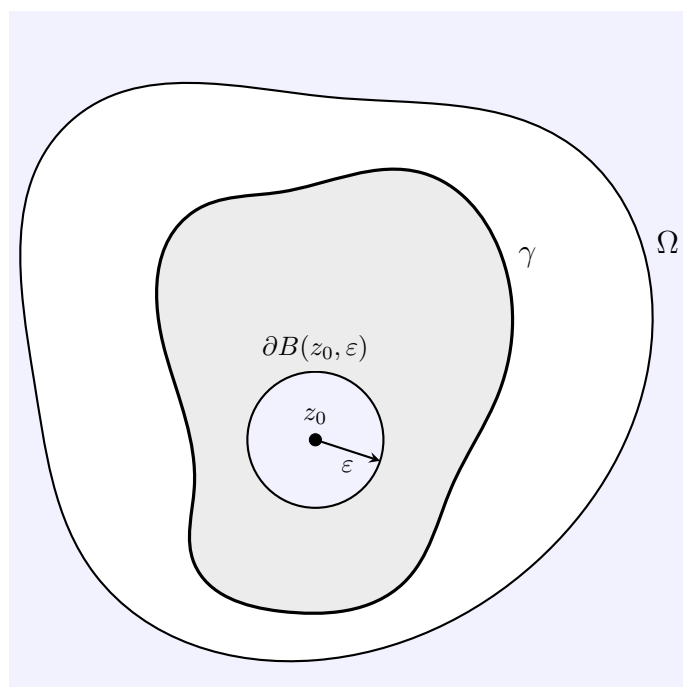
5.1.1



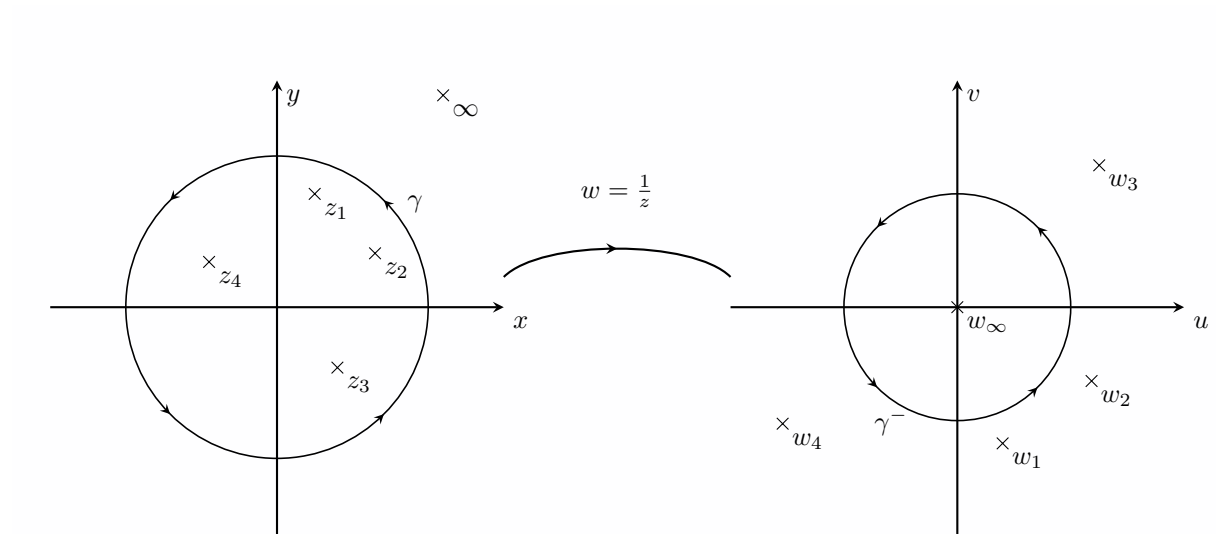
5.2.3



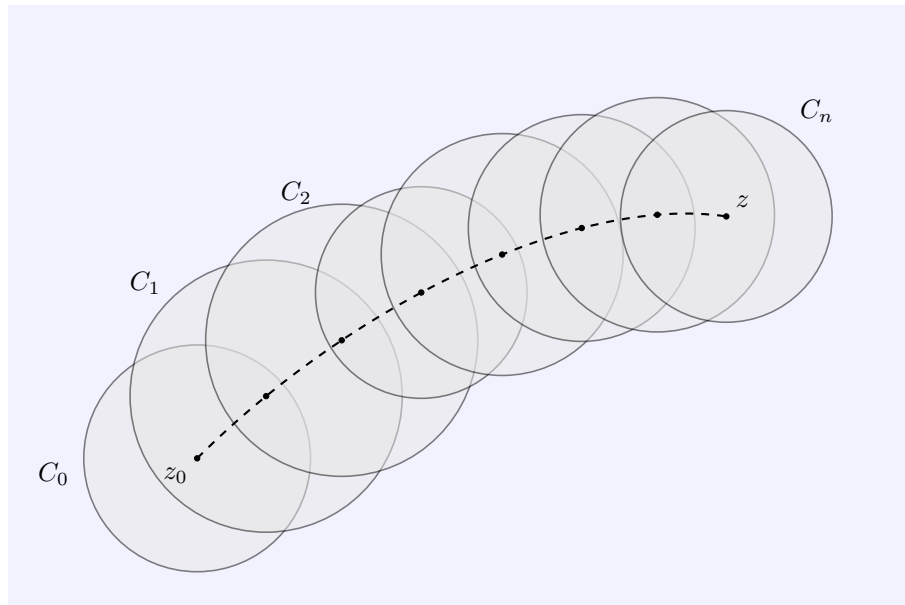
5.3 Cauchy integral formulas and consequences



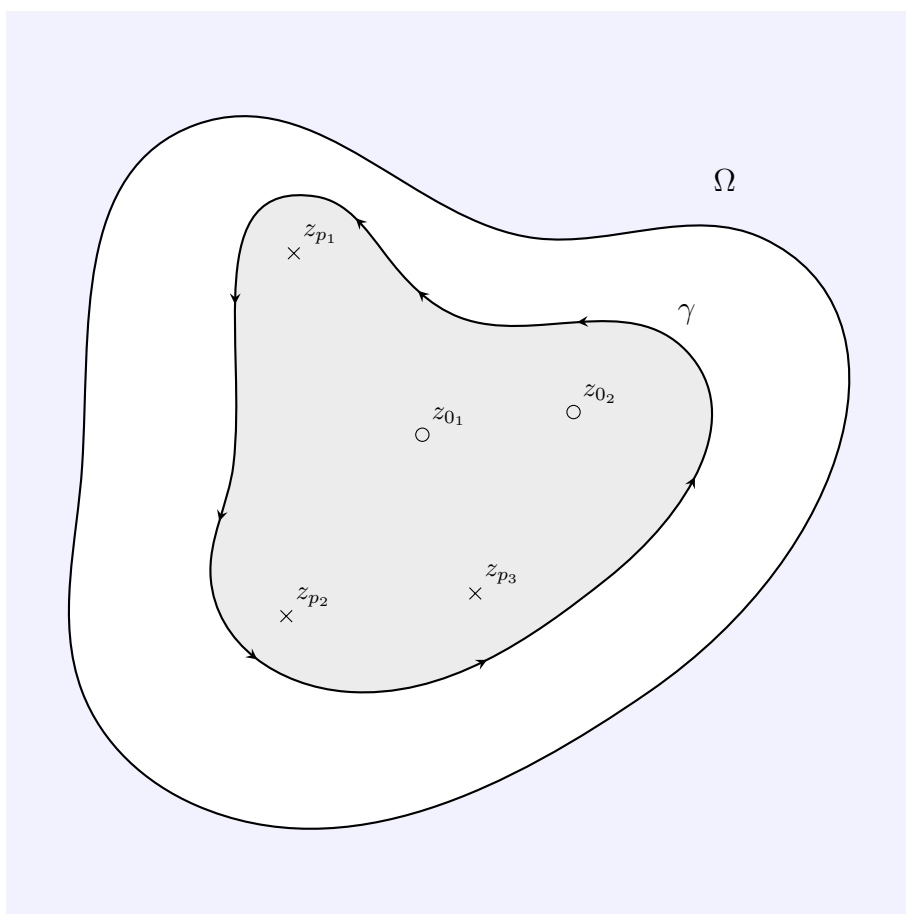
5.4.4



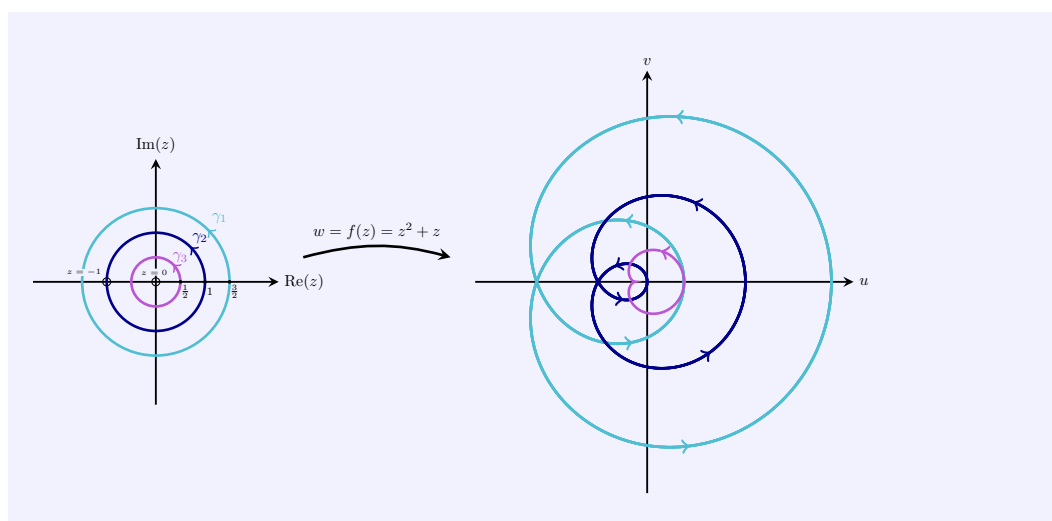
5.5.2 Uniqueness of holomorphic functions



5.6.2



5.6.3 Argument Principle



5.6.3 Rouches theorem

