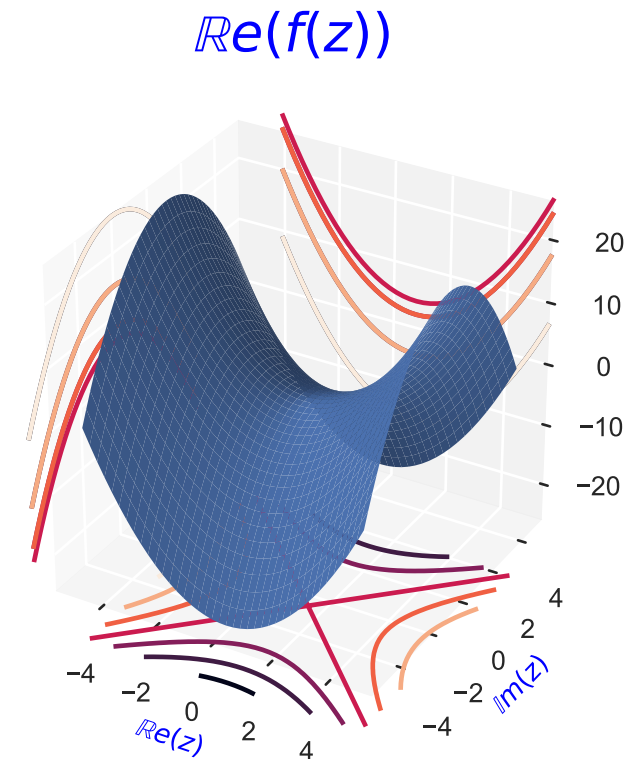
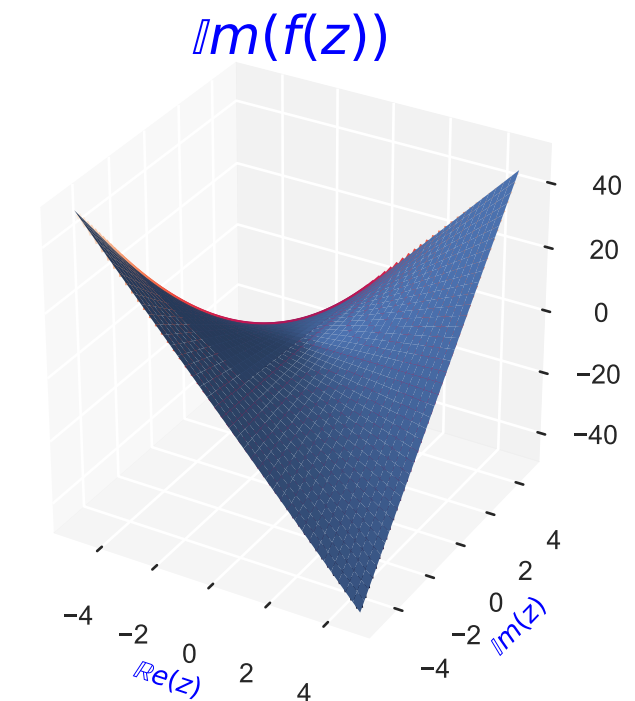


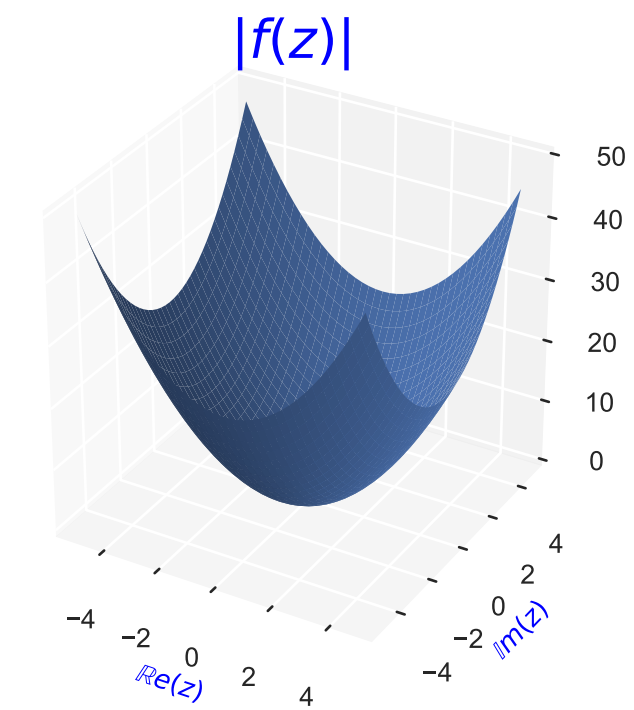
El mapeo  $f(z) = z^2$   
 con  $z = x + iy$  es  
 $f(z) = u(x, y) + v(x, y)i$   
 con  
 $u(x, y) = x^2 - y^2$   
 $v(x, y) = 2xy$   
 $\Re(f(z)) = x^2 - y^2$



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 $v(x, y) = 2xy$   
 $|f(z)| = (x^4 + 2x^2y^2 + y^4)^{0.5}$



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 con  $z = x + iy$  es  
 $f(z) = u(x, y) + v(x, y)i$   
 con  
 $u(x, y) = x^2 - y^2$   
 $v(x, y) = 2xy$   
 $\angle f(z) = \text{atan}\left(\frac{2xy}{x^2 - y^2}\right)$

