

Kompleksie skaitļi

$$\frac{a+bi}{x+yi} = \frac{(ax+by) + (-ay+bx)i}{x^2+y}$$

$$i^{-1} = \frac{1}{i} = \frac{i}{i^2} = -i$$

$$\sqrt{i} = + - \frac{1+i}{\sqrt{2}}$$

Geometriksais veids:

$$z = a + bi; \quad r = |z| \quad \phi = \arg(z)$$

$$a = r \cos \phi; b = r \sin \phi;$$

Leņķus noasaka, skatoties uz grafiku.