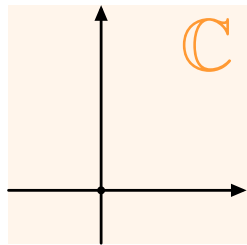


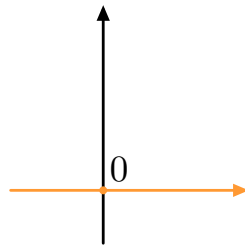
# KOMPLEKSILUVUT

$i$

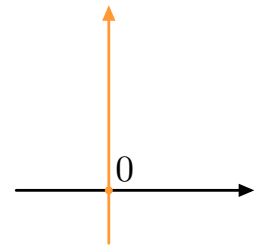
Imaginääriyksikkö



Kompleksitaso,  
Kompleksiluvut

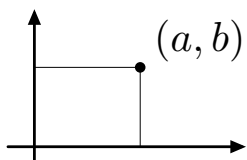


Reaaliakseli



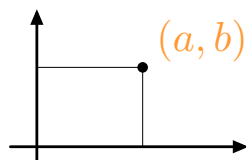
Imaginääriakseli  
[Imaginääriluvut]

$$z = a + bi$$



Reaaliosa,  
Imaginääriosa

$$z = a + bi$$



Karteesiset  
koordinaatit

$$z = a + bi$$

$$\bar{z} = a - bi$$

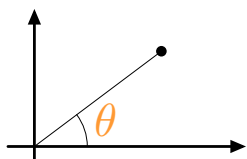
Kompleksikonjugaatti

$$z = a + bi$$

$$|z| = \sqrt{a^2 + b^2}$$

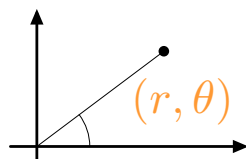
Itseisarvo

$$z = re^{i\theta}$$



Argumentti

$$z = re^{i\theta}$$

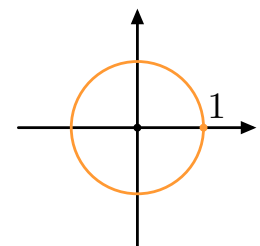


Napakoordinaatit

$e^z$

$\log(z)$

KompleksiekspONENTTI,  
Kompleksilogaritmi



Yksikköympyrä

ANALYYSI