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Komplexni rozcvicka

> z := 1+I*1;
z := 1 + I

> abs(z);
sqrt(2)

> Re(z);
1

> Im(z);
1

> conjugate(z);
1 - I

> argument(z);
pi/4

> signum(z);
(1/2 + 1/2 I) sqrt(2)

> csgn(z);
1

> polar(z);
polar(sqrt(2), pi/4)

>
>

> evalc(abs(z));
sqrt(2)

> evalc(Re(z));
1

> evalc(signum(z));
sqrt(2)/2 + 1/2 I sqrt(2)

> evalc(polar(r,theta));
r cos(theta) + r sin(theta) I

> map(evalc,convert(z, polar));
polar(sqrt(2), pi/4)

> expand((1+I)^2);
2 I

> evalc(sqrt(-4));
2 I

> expand((1+I)/(1-I));

```

```

I
>
>
>
> z1:=1;
z1 := 1
> z2:=(cos(a))^2+(sin(a))^2;
z2 := cos(a)2 + sin(a)2
> R1:=Re(z1);
R1 := 1
> R2:=Re(z2);
R2 := Re(cos(a)2 + sin(a)2)
> R1=R2;
1 = Re(cos(a)2 + sin(a)2)
> solve(R1=R2,a);
a
> solve(z1=z2,a);
a
>
> Credit:= "I&C, p. 116-137" ;
Credit := "I&C, p. 116-137"
>

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