
Subject: Euler formula with complex numbers
Posted by [raison](#) on Fri, 22 Feb 2002 17:53:04 GMT
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I start from:

```
z=complex(3,2)
mag=abs(z)
phi=atan(z)
```

and I want to come back to z with mag and phi in this way:

```
z_prime=mag*exp(complex(0,1)*phi)
```

and I get z_prime=(0.715179, 3.02955) which is different from z.

What is wrong in the way I use IDL?

Thank you
