
Subject: Re: complex math error?

Posted by [llobet](#) on Fri, 19 May 1995 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

In article <3pgkmo\$b3s@post.gsfc.nasa.gov>, thompson@orpheus.nascom.nasa.gov
(William Thompson) writes:

[...]

=I can't make it fail running IDL 3.6.1c under OSF/1 v2.0 on an AXP 3000/600

=workstation. I always get the result

=

= IDL> print, exp(complex(0,1)*sqrt(2.)*10.)^sqrt(2.)

= (-1.28269e-10, 1.66070e-10)

=

=no matter how many times I try it. (I assume that's the correct value.)

Nope. Just try

```
IDL> print, exp( complex(0,1)*sqrt(2.)*10. )^sqrt(2.D0)
( -0.611276,  0.791417)
```

This gives the right value.

-xavier
