
Subject: Re: Question again :)

Posted by [Stein Vidar Hagfors H\[1\]](#) on Tue, 29 Jan 2002 19:57:48 GMT

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dinhng@yahoo.com (Dinh Huong) writes:

> Dear all,

>

> + bi, which directly return $\sqrt{a^2+b^2}$.

```
IDL> print,abs(complex(-1,1))
```

```
1.41421
```

--

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Subject: Re: Question again :)

Posted by [the_cacc](#) on Wed, 30 Jan 2002 13:14:06 GMT

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Note though that ABS for complex numbers can be fairly slow when operating on large amounts of data (eg. big arrays, inner loops). Sometimes the use of ABS is not essential if, for example, you have a situation requiring the following:

ABS(z) GT threshold

then it is quicker to use

FLOAT(CONJ(z) * z) GT threshold^2

instead.

Ciao.
