Subject: Re: atan in IDL 5.5
Posted by Randall Skelton on Tue, 04 Jun 2002 15:08:50 GMT
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Hi Zoe,

I am not sure I understand what you are trying to do. Can you please post
a snipit of code that demonstrates the problem you are having?

> I have a program which reads in an array of complex numbers, so an array
> of single numbers should be produced, but in fact another complex array os
> produced.

If you have complex numbers why are you expecting "an array of single
numbers" to be produced? What is your code doing?

> At the command-line the atan of a set of complex numbers
> produces a single number.

I disagree. If you give a complex value to atan, you will get a complex
number back.

```
IDL> a = complex(0.5,0.5)
IDL> help, a
A           COMPLEX   = (    0.500000,    0.500000)
IDL> print, atan(a)
(    0.553574,    0.402359)
```

> I have disabled the multi-threading option with no effect.

This is a quantum leap... I have no idea what you are trying to do.

Cheers,
Randall

On Tue, 4 Jun 2002, Zoe Dent wrote:

> I'm having problems with the 'atan' function in IDL 5.5. I have a
> program which reads in an array of complex numbers, so an array of
> single numbers should be produced, but in fact another complex array os
> produced. At the command-line the atan of a set of complex numbers
> produces a single number. I have disabled the multi-threading option
> with no effect. I'd appreciate any advice on this matter.
>
> Many thanks,
>
> Zoe