
Subject: Re: ATAN inconsistencies

Posted by [bowman](#) on Mon, 15 Nov 1999 08:00:00 GMT

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In article <383028E8.B9B90A11@astro.estec.esa.nl>, Michael Werger
<mwerger@astro.estec.esa.nl> wrote:

```
> IDL 5.2 on Solaris 2.7:  
>  
> IDL> print, atan(0.0, 0.0)  
>    0.00000  
> ... Any comments about the proper handling? ;-)
```

Well, if $x=y=0$, then $\text{ATAN}(y/x)$ is not defined, so it should return a NaN.

Ken
