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Subject: Re: strange "eq" behaviour  
Posted by [david\[4\]](#) on Mon, 15 Feb 2010 15:44:27 GMT  
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Is maxx exactly 1.0000???

If you type:

```
maxx=1.
```

And then execute all "ifs" . All print "true"

If you type

```
maxx=1.0000000000001
```

```
help,maxx
```

```
MAXX      FLOAT  =   1.00000
```

But now all ifs are wrong except last one, because print and help don't show the real value of maxx.

Try printing with format.

So the question is, How do you get maxx?

chris wrote:

```
> Hi folks,
```

```
> sometimes it's hard to understand IDL interprets, e.g.:
```

```
>
```

```
> IDL> print,maxx
```

```
>   1.00000
```

```
> IDL> help,maxx
```

```
> MAXX      FLOAT  =   1.00000
```

```
> IDL> if maxx eq 1. then print, 'true' else print, 'wrong'
```

```
> wrong
```

```
> IDL> if maxx eq 1 then print, 'true' else print, 'wrong'
```

```
> wrong
```

```
> IDL> if maxx eq float(1) then print, 'true' else print, 'wrong'
```

```
> wrong
```

```
> IDL> if maxx eq maxx then print, 'true' else print, 'wrong'
```

```
> true
```

```
> IDL> if maxx[0] eq 1 then print, 'true' else print, 'wrong'
```

```
> wrong
```

```
> IDL> if maxx[0] eq 1. then print, 'true' else print, 'wrong'
```

```
> wrong
```

```
> IDL> if 5 eq 5. then print, 'true' else print, 'wrong'
```

```
> true
```

```
>
```

```
>
```

```
> What's going wrong here? Has somebody an idea? Is this a bug or a
```

```
> feature ;)
```

```
> I use IDL 6.4.1 within Windows 7 x64 Pro
```

```
>
```

> Thanks and regards

>

> Chris

>

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