
Subject: When is double not double? (converting from string to double)

Posted by [Tim B](#) on Sun, 18 May 2014 05:33:30 GMT

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I've remember reading about something like this somewhere before but could someone please explain this to me?

```
IDL> x = '133.359996'
```

```
IDL> print, double(x)
```

```
133.36000
```

Subject: Re: When is double not double? (converting from string to double)

Posted by [Fabzi](#) on Sun, 18 May 2014 09:16:38 GMT

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On 18.05.2014 07:33, Tim B wrote:

> I've remember reading about something like this somewhere before but could someone please explain this to me?

>

> IDL> x = '133.359996'

> IDL> print, double(x)

> 133.36000

>

https://www.idlcoyote.com/math_tips/sky_is_falling.html

The number x is just fine, the way you print it is not:

```
IDL> x = '133.359996'
```

```
IDL> print, double(x)
```

```
133.36000
```

```
IDL> print, STRING(double(x), FORMAT='(F10.6)')
```

```
133.359996
```

Cheers
