
Subject: Re: where function not finding value
Posted by [Burch](#) on Tue, 10 Mar 2015 20:19:15 GMT
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On Tuesday, March 10, 2015 at 3:15:18 PM UTC-5, Jahvasc wrote:

> Hi, Chris, thank you for your answer. But it was to avoid this floating point problems that I'm using the intervals. Besides, why when I write down the interval (mass gt 0.04 and mass le 0.05) I got the the right answer?

Unfortunately you're not quite avoiding those issues. For instance, analogous to what you're doing try this

```
IDL> print, 0.05 le 4.0*0.01+0.01  
0
```

```
IDL> print, 0.05 le 0.05  
1
```

The first example *should* return 1 in a perfect world, but once you do mathematical operations (such as the multiplication and addition) you will introduce floating point arithmetic issues.
