
Subject: sqrt in legend() crossing power index
Posted by [Gregory](#) on Thu, 12 May 2016 17:26:19 GMT
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I am trying to write something on a plot, and using `\sqrt{}` in latex mode in `legend()` function produces somewhat annoying appearance - sqrt feature crosses power index: it can be seen in the example below.

```
p=plot([0,1],[0,1],name='best fit function 2.35w$\sqrt{N^2 + EF\slash w}$')  
legend=legend(target=[p],pos=[0.8,0.3])
```

Anyone knows how to fix that?
I am using idl8.3 in this case.

Subject: Re: sqrt in legend() crossing power index
Posted by [wlandsman](#) on Thu, 12 May 2016 19:52:27 GMT
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You can make the exponent smaller with the `!E` positioning command

```
p=plot([0,1],[0,1],name='best fit function 2.35w$\sqrt{N!E2!N + EF\slash w}$')
```

though it still overlaps the square root top bar.

I'd probably just write out "SQRT()" rather than make the symbol. --Wayne

On Thursday, May 12, 2016 at 1:26:20 PM UTC-4, Gregory wrote:

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Subject: Re: sqrt in legend() crossing power index
Posted by [lecacheux.alain](#) on Fri, 13 May 2016 09:39:22 GMT
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Le jeudi 12 mai 2016 21:52:30 UTC+2, wlandsman a écrit :

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>> I am using idl8.3 in this case.

Another solution might be to write: `2.35w$\{N^2 + EF\slash w\}^{1/2}$`
alx.
