
Subject: Re: Strange WHERE issue?

Posted by [Fabzou](#) on Fri, 27 May 2011 02:40:20 GMT

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Ah, and the first line :

```
> c = WHERE(chisqarr_ph[1,*] EQ MIN(chisqarr_ph[1,*]))
```

could be replaced by:

```
dummy = MIN(chisqarr_ph[1,*], c)
```

But this is just detail.

On 05/27/2011 02:52 AM, polystethylene wrote:

```
> Wonder if anybody can help me with this...
```

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>
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```
> Essentially I'm just varying a parameter (1st column) and testing chi  
> squared (2nd column), and I want to find chi squared minimum + 1 in  
> order find my 1 sigma error bars...
```

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```

```
> I have the following code:
```

```
>
```

```
> c = WHERE(chisqarr_ph[1,*] EQ MIN(chisqarr_ph[1,*]))
```

```
>
```

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```

```
> d = WHERE(chisqarr_ph[1,*] LE (chisqarr_ph[1,c]+1))
```

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```
> I have a problem with the line d = WHERE(chisqarr_ph[1,*] LE  
> (chisqarr_ph[1,c]+1)), which returns -1.
```

```
>
```

```
> What I don't understand is that when I print chisqarr_ph[1,c]+1, it  
> correctly returns 1045.4516.
```

```
> Here is the section of chisqarr_ph[*,*] where chisqarr_ph[1,*] is LE  
> (chisqarr_ph[1,c]+1):
```

```
>
```

```
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```

```
> 0.0030200630    1045.4305    6.5339409  
> 0.0030400632    1045.3898    6.5336863  
> 0.0030600633    1045.3513    6.5334455  
> 0.0030800635    1045.3134    6.5332085  
> 0.0031000637    1045.2760    6.5329750  
> 0.0031200638    1045.2392    6.5327453  
> 0.0031400640    1045.2011    6.5325071  
> 0.0031600641    1045.1639    6.5322746  
> 0.0031800643    1045.1274    6.5320465
```

>	0.0032000644	1045.0914	6.5318213
>	0.0032200646	1045.0560	6.5315999
>	0.0032400647	1045.0214	6.5313835
>	0.0032600649	1044.9917	6.5311983
>	0.0032800650	1044.9634	6.5310215
>	0.0033000652	1044.9358	6.5308485
>	0.0033200653	1044.9088	6.5306800
>	0.0033400655	1044.8827	6.5305167
>	0.0033600656	1044.8573	6.5303578
>	0.0033800658	1044.8333	6.5302083
>	0.0034000659	1044.8113	6.5300706
>	0.0034200661	1044.7896	6.5299349
>	0.0034400662	1044.7685	6.5298032
>	0.0034600664	1044.7481	6.5296754
>	0.0034800665	1044.7274	6.5295459
>	0.0035000667	1044.7072	6.5294197
>	0.0035200668	1044.6876	6.5292974
>	0.0035400670	1044.6687	6.5291792
>	0.0035600672	1044.6505	6.5290653
>	0.0035800673	1044.6329	6.5289559
>	0.0036000675	1044.6161	6.5288504
>	0.0036200676	1044.5997	6.5287478
>	0.0036400678	1044.5836	6.5286474
>	0.0036600679	1044.5683	6.5285520
>	0.0036800681	1044.5540	6.5284624
>	0.0037000682	1044.5403	6.5283766
>	0.0037200684	1044.5282	6.5283011
>	0.0037400685	1044.5186	6.5282411
>	0.0037600687	1044.5096	6.5281852
>	0.0037800688	1044.5013	6.5281333
>	0.0038000690	1044.4936	6.5280852
>	0.0038200691	1044.4866	6.5280414
>	0.0038400693	1044.4803	6.5280016
>	0.0038600694	1044.4746	6.5279665
>	0.0038800696	1044.4697	6.5279355
>	0.0039000697	1044.4653	6.5279080
>	0.0039200699	1044.4614	6.5278838
>	0.0039400700	1044.4581	6.5278632
>	0.0039600702	1044.4554	6.5278460
>	0.0039800704	1044.4532	6.5278327
>	0.0040000705	1044.4519	6.5278244
>	0.0040200707	1044.4516	6.5278223
>	0.0040400708	1044.4532	6.5278322
>	0.0040600710	1044.4574	6.5278584
>	0.0040800711	1044.4621	6.5278881
>	0.0041000713	1044.4674	6.5279212
>	0.0041200714	1044.4733	6.5279582
>	0.0041400716	1044.4787	6.5279918

>	0.0041600717	1044.4849	6.5280308
>	0.0041800719	1044.4919	6.5280741
>	0.0042000720	1044.4992	6.5281198
>	0.0042200722	1044.5071	6.5281691
>	0.0042400723	1044.5157	6.5282233
>	0.0042600725	1044.5272	6.5282952
>	0.0042800726	1044.5398	6.5283739
>	0.0043000728	1044.5530	6.5284564
>	0.0043200729	1044.5669	6.5285431
>	0.0043400731	1044.5815	6.5286344
>	0.0043600732	1044.5970	6.5287310
>	0.0043800734	1044.6138	6.5288366
>	0.0044000736	1044.6328	6.5289551
>	0.0044200737	1044.6521	6.5290758
>	0.0044400739	1044.6721	6.5292004
>	0.0044600740	1044.6926	6.5293290
>	0.0044800742	1044.7136	6.5294597
>	0.0045000743	1044.7351	6.5295941
>	0.0045200745	1044.7572	6.5297325
>	0.0045400746	1044.7800	6.5298750
>	0.0045600748	1044.8035	6.5300219
>	0.0045800749	1044.8277	6.5301733
>	0.0046000751	1044.8526	6.5303288
>	0.0046200752	1044.8779	6.5304871
>	0.0046400754	1044.9036	6.5306472
>	0.0046600755	1044.9299	6.5308120
>	0.0046800757	1044.9571	6.5309819
>	0.0047000758	1044.9849	6.5311559
>	0.0047200760	1045.0144	6.5313397
>	0.0047400761	1045.0466	6.5315415
>	0.0047600763	1045.0796	6.5317475
>	0.0047800764	1045.1132	6.5319574
>	0.0048000766	1045.1474	6.5321712

>
> Given that there are rows in the array for which the condition is
> true, can anybody see why WHERE is returning -1?
>
> It's probably me have a dim moment, but I can't for the life of me
> understand what's going on...
>
> Many thanks for any help !
>
> Stef
