
Subject: Re: Y-Axis: Negative numbers on top
Posted by [thompson](#) on Tue, 30 Nov 1993 23:30:26 GMT
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deutsch@astro.washington.edu (Eric Deutsch) writes:

> In article 301193095555@bundy.aero.org, Ann_Mazuk@qmail2.aero.org (Ann Mazuk) writes:

>> I am running IDL 3.1.0 using VAX/VMS. I am making a plot and on the y-axis
>> I want negative numbers to be near the top of the y-axis and positive
>> numbers to be near the bottom of the y-axis, such that it looks similar to
>> this:

```
>>  
>>  
>>  -3 |  
>>  -2 |  
>>  -1 |  
>>   0 |  
>>   1 |  
>>   2 |_____
```

>> 1 2 3 4 5 6 7 8 9 10

> The initial solution is simply to use something like:

> IDL> plot,indgen(10)-8,yrange=[2,-10]

> The tricky part comes when you want to have automatic Y scaling and have it
> reversed. An ugly solution is:

```
> IDL> plot,indgen(10)-8  
> IDL> plot,indgen(10)-8,yr=[!y.crange([1,0])]
```

> Anyone have a better solution?

> Eric

Why not just

```
IDL> Y = INDGEN(10)-8  
IDL> PLOT, Y, YRANGE=[max(Y),min(Y)]
```

Bill Thompson

Subject: Re: Y-Axis: Negative numbers on top
Posted by [sterner](#) on Wed, 01 Dec 1993 21:56:17 GMT
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deutsch@astro.washington.edu (Eric Deutsch) writes:

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> The initial solution is simply to use something like:

> IDL> plot,indgen(10)-8,yrange=[2,-10]

> The tricky part comes when you want to have automatic Y scaling and have it

> reversed. An ugly solution is:

> IDL> plot,indgen(10)-8

> IDL> plot,indgen(10)-8,yr=[!y.crangle([1,0])]

> Anyone have a better solution?

I just use plot,x,y,yran=[max(y),min(y)]

Ray Sterner sterner@tesla.jhuapl.edu
Johns Hopkins University North latitude 39.16 degrees.
Applied Physics Laboratory West longitude 76.90 degrees.
Laurel, MD 20723-6099
