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Subject: Re: Variable y-axis sizes in multiplot/ladder?  
Posted by [Haje Korth](#) on Mon, 07 Jul 2003 16:30:43 GMT  
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Lisa,  
try the 'position' keyword to place your plot. Don't forget the /noerase keyword, when you call plot for the second time. Also, do not specify !p.multi using this method.

Haje

--

"Lisa K" <kewley@pha.jhu.edu> wrote in message  
news:5dd1069d.0307070818.3f0b5731@posting.google.com...

> Hi,

>

> I am trying to make a plot like:

>

> -----  
> y-axis1 | plot 1

> |

> -----

> |

> |

> |

> |

> y-axis2 | plot 2

> |

> |

> |

> |

> -----

> x-axis

>

>

> I have been using multiplot, but it makes the height of the y-axis1 =

> y-axis2, so that plot 1 and plot 2 are the same size. I'd like to

> save space and make y-axis1 smaller than y-axis2. Is there a way of

> doing this with multiplot or ladder? I'm looking in the multiplot

> source code, and am not sure which parameter I would need to change

> (if possible). Any help would be greatly appreciated!!

>

> Thanks,

> Lisa

Subject: Re: Variable y-axis sizes in multiplot/ladder?  
Posted by [David Fanning](#) on Mon, 07 Jul 2003 17:10:37 GMT  
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Lisa K writes:

> I am trying to make a plot like:

```
>
> -----
> y-axis1 |      plot 1
>         |
>         |-----
>         |
>         |
>         |
>         |
> y-axis2 |      plot 2
>         |
>         |
>         |
>         |
>         |-----
>         x-axis
```

> I have been using multiplot, but it makes the height of the y-axis1 =  
> y-axis2, so that plot 1 and plot 2 are the same size. I'd like to  
> save space and make y-axis1 smaller than y-axis2. Is there a way of  
> doing this with multiplot or ladder? I'm looking in the multiplot  
> source code, and am not sure which parameter I would need to change  
> (if possible). Any help would be greatly appreciated!!

Forget !P.Multi. Try something like this:

```
Plot, RandomU(seed, 10) * 10, XStyle=9, $  
  Position=[0.15, 0.15, 0.9, 0.65]  
Plot, RandomU(seed, 10) * 10, XStyle=1, $  
  Position=[0.15, 0.67, 0.9, 0.90], $  
  /NoErase, XTickformat='(A1)'  
Plots, [0.15, 0.15], [0.65, 0.67], /Normal  
Plots, [0.90, 0.90], [0.65, 0.67], /Normal
```

Cheers,

David

--

David W. Fanning, Ph.D.

Fanning Software Consulting, Inc.  
Phone: 970-221-0438, E-mail: david@dfanning.com  
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Toll-Free IDL Book Orders: 1-888-461-0155

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Subject: Re: Variable y-axis sizes in multiplot/ladder?  
Posted by [kewley](#) on Mon, 07 Jul 2003 22:10:07 GMT  
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Thank you very much - that is exactly what I needed! my plots look much better now.

Cheers,  
Lisa

David Fanning <david@dfanning.com> wrote in message  
news:<MPG.1973577adaf8a1659896a1@news.frii.com>...

> Lisa K writes:

>

>> I am trying to make a plot like:

>>

>> -----

>> y-axis1 | plot 1

>> |

>> -----

>> |

>> |

>> |

>> |

>> y-axis2 | plot 2

>> |

>> |

>> |

>> |

>> -----

>> x-axis

>>

>>

>>

>> I have been using multiplot, but it makes the height of the y-axis1 =

>> y-axis2, so that plot 1 and plot 2 are the same size. I'd like to

>> save space and make y-axis1 smaller than y-axis2. Is there a way of

>> doing this with multiplot or ladder? I'm looking in the multiplot

>> source code, and am not sure which parameter I would need to change

>> (if possible). Any help would be greatly appreciated!!

>

> Forget !P.Multi. Try something like this:

>

```
> Plot, RandomU(seed, 10) * 10, XStyle=9, $  
>   Position=[0.15, 0.15, 0.9, 0.65]  
> Plot, RandomU(seed, 10) * 10, XStyle=1, $  
>   Position=[0.15, 0.67, 0.9, 0.90], $  
>   /NoErase, XTickformat='(A1)'  
> Plots, [0.15, 0.15], [0.65, 0.67], /Normal  
> Plots, [0.90, 0.90], [0.65, 0.67], /Normal  
>  
> Cheers,  
>  
> David
```

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