
Subject: Re: axis thickness

Posted by [thompson](#) on Tue, 26 May 1992 13:35:00 GMT

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In article <1992May26.111208.23708@urz.unibas.ch>, hofer@urz.unibas.ch (Remo Hofer) writes...

> How can you define the line thickness of the axis in a plot or contour
> statement? !P.THICK and the keyword THICK have no effect to the axis
> plotting into a postscript file. Thanks in advance for any help.

For the axes you need to set !X.THICK and !Y.THICK as well.

Bill Thompson

Subject: Re: axis thickness

Posted by [dov](#) on Wed, 27 May 1992 08:32:49 GMT

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It's a big hazzle to change all of the various thick parameters in IDL if all you want to do is to have the graph printed on the postscript printer with *all* lines thicker. It would be very nice to have a parameter for the postscript device for multiplication of linewidth. Another option that I would like to have for postscript is to be able to specify if the line joins should be mitre, round, or bevel.

I'm including a small Perl script that multiplies the argument of linewidth in a postscript file and thus makes the lines thicker. Unfortunately it contorts stroke characters a bit, perhaps because of the line join problem.

```
#!/usr/local/bin/perl -i~
```

```
#####  
# Program to multiply the argument of linewidth in a postscript file.
```

```
#####
```

```
while(($_=$ARGV[0]) =~ /^-/) {  
    shift;
```

```
    if (/^-m/) {$mult=shift; }
```

```
    elsif (/^-h/) {
```

```
        print<<EOH
```

```
lwmult - Multiply the argument of linewidth in a postscript file
```

Usage:

```
lwmult [-m n] files
```

Description:

Multiplies the argument of linewidth in a postscript file and renames the old files to the same file name with an additional tilde character.

Options:

-m n Set the multiplication factor to n (a floating point number).
Default value is 2.

Author:

Dov Grobgeld 1992-05-24

EOH

```
; exit;  
}
```

```
}  
$mult=2 unless defined $mult;
```

```
$lastLine="";  
while(<>) {  
    # Case of argument for linewidth not over new line  
    s/(\d+)(\s+setlinewidth)/sprintf("%g$2",$1*$mult)/ie;  
  
    # Case of argument and 'setlinewidth' over line boundry  
    if (/^\s*setlinewidth/) {  
        $lastLine=~ s/(\d+)\s*\n/sprintf("%g\n",$1*$mult)/ie;  
    }  
    print $lastLine;  
    $lastLine=$_;  
    print $lastLine if eof;  
}
```

--

```
          /  o \  o \  
Dov Grobgeld      ( o o ) o |  
The Weizmann Institute of Science, Israel    \ o /o o /  
"Where the tree of wisdom carries oranges"    ||  ||  
          _| |_ _| |_
```
