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