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Subject: Re: How do you turn PS output into EPS?  
Posted by [thompson](#) on Wed, 16 Sep 1992 22:47:00 GMT  
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In article <Buooyw.FG@breeze.rsre.mod.uk>, jvb@uk.mod.hermes writes...

>  
> If you've got a postscript file produced by WAVE (I'm using WAVE version 3.10)  
> - but I think it's the same problem as IDL'ers face since there's a dead  
> giveaway copyright RSI in the PS files that WAVE produces - then what do you  
> have to take out to turn the PS file into an EPS file? Does the bounding box  
> assume there's lots of whitespace under the item, ie does the routine that  
> produces the PS file assume that it's going to be printed on a laser printer?  
> If it does is there any sure fire way to alter the bounding box?  
>  
>  
> Is this a FAQ, if so sorry in advance.  
>  
> John Black.  
> Janet : jvb@uk.mod.hermes  
> Internet : jvb%hermes.mod.uk@relay.mod.uk  
>  
> PS Does WAVE V4.0 support encapsulated PostScript output? If it doesn't and  
> it's not easy to turn a .ps file into a .eps file then a future version of  
> WAVE (or IDL for that matter - if the same problem applies) should support  
> EPS production.  
>

In IDL, the command to produce an encapsulated postscript file is

DEVICE,/ENCAPSULATED

I presume this command also works in PV-WAVE, since it's been around a long time. You enter this command after opening the PostScript file, but before writing any data to it, i.e.

```
SET_PLOT,'PS'  
DEVICE,/ENCAPSULATED  
(plotting commands)  
DEVICE,/CLOSE  
SET_PLOT,'X' (or 'TEK' or 'REGIS' or whatever)
```

You cannot \*change\* a PostScript file that already written from regular (non-encapsulated) to encapsulated formats, or visa-versa. I suppose that it's theoretically possible, but I don't know how to do it.

The bounding box of an IDL-generated Encapsulated PostScript file puts the normal amount of whitespace around the plot, i.e. enough to accomodate the title and axis labels, but not much more.

It sounds like you normally print your PostScript files in portrait mode, which is the default. IDL does put a lot of space above and below the plot in that mode (when not writing in encapsulated format). However, you can use the command

`DEVICE,/LANDSCAPE`

and the plot will come out turned 90 degrees, and taking up most of the paper. I believe this command is incompatible with the `/ENCAPSULATED` switch, however.

Bill Thompson

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