
Subject: Re: get_boundingbox
Posted by [thompson](#) on Thu, 28 Oct 1999 07:00:00 GMT
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"R.Bauer" <R.Bauer@fz-juelich.de> writes:

> David Fanning wrote:

>> R.Bauer (R.Bauer@fz-juelich.de) writes:

>>

>>> Did someone know how to get the boundingbox of a plot?

>>

>> Not exactly sure what you mean by "bounding box",
>> but the answer is either ![XY].Window or ![XY].Region,
>> depending upon if you want the plot annotation or not.

>>

>> Cheers,

>>

>> David

>> --

> Dear David,

> ![XY].Region gives the region of the last plot.

> If you have more as one plot on a page this is not the result I like to
> have.

> Each eps Postscript file has a bounding box which includes all graphes
> and annotation of a page.
> This I like to have too.

> R.Bauer

I don't know how to retrieve the bounding box, by I do know how to set the bounding box to a specific set of values. The bounding box is defined in points, where there are 72 points to the inch. The DEVICE keywords XOFFSET, YOFFSET, XSIZE, and YSIZE control the values of the bounding box. For example, if one uses the command

```
IDL> DEVICE, /PORTRAIT, /INCHES, $  
XOFFSET=0.75, YOFFSET=0.75, XSIZE=7.0, YSIZE=9.5
```

the bounding box in the resulting PostScript file will then be

%%BoundingBox: 54 54 558 738

which can be derived as

```
IDL> PRINT, [0.75, 0.75, 7.0+0.75, 9.5+0.75] * 72
```

It would be nice if IDL also had GET_XOFFSET, etc. keywords to the DEVICE command.

William Thomson
