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Subject: Re: Reverse engineering the new graphics PLOT() margin property?

Posted by [Mark Piper](#) on Tue, 17 Apr 2012 01:54:42 GMT

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On Thursday, April 12, 2012 11:37:45 AM UTC-6, Sean Davis wrote:

> I was wondering if anyone has figured out how the default margins are determined in new graphics?

>

> On a related note, it is infuriating that there is no way to return the values of INIT properties like margin, position, etc. (unless I'm missing something!)

>

> What I'd really like to be able to do is the following --

>

> p = plot(findgen(20))

>

> print, p.margin

Hi Sean,

I agree, we should be able to get these plot properties that we can set on init. I'll enter a bug report.

In the meantime, I think this works (though I haven't tested it thoroughly):

```
IDL> p = plot(findgen(10)^2)
```

```
IDL> r = transpose([[p.xrangle], [p.yrangle]])
```

```
IDL> m = p.convertcoord(r, /data, /to_normal)
```

```
IDL> print, m
```

```
0.13000000  0.13000000  0.00000000
0.92000000  0.89000000  0.00000000
```

Check:

```
IDL> print, p.convertcoord(m, /normal, /to_data)
```

```
8.8817842e-016  0.00000000  0.00000000
10.0000000    100.000000  0.00000000
```

mp

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