Subject: Calculate the size of text-output
Posted by corinnefrey on Fri, 10 Oct 2014 10:48:01 GMT
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Hello,

I would like to know the size of a text-annotation in a plot:

eg.
w = window(dimensions=[200,200])
t = text(0,0,myannotation,font_name=myfont,font_size=15,/device)

How can I find out the pixel size of myannotation?

I need to know this for the scaling of another new window.

Thanks and best regards,
Corinne

Subject: Re: Calculate the size of text-output
Posted by chris_torrence@NOSPAM on Fri, 10 Oct 2014 17:04:05 GMT
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On Friday, October 10, 2014 4:48:04 AM UTC-6, Corinne Frey wrote:
> Hello,
>
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> How can I find out the pixel size of myannotation?
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> I need to know this for the scaling of another new window.
>
>

>
> Thanks and best regards,
>
> Corinne

Hi Corinne,

You can use the undocumented "GetTextDimensions" method. For example:

```
IDL> p = plot(/test)
IDL> t = text(0, 1, 'Hello', /DATA, CLIP=0)  ; ion the data layer
IDL> print, t.GetTextDimensions()
       14.931223     0.072726995      0.00000000
IDL> t1 = text(0,0, 'Annotation')  ; in the annotation layer
IDL> print, t1.GetTextDimensions()
      0.30468721     0.054687291      0.00000000
```

For text in the "data" layer, the units will be in "data" units. For text in the "annotation" layer, the units will be normalized 0-1. You can use the ConvertCoord() method to convert between different coordinates.

Cheers,
Chris
ExelisVIS
