Subject: IDLgrPrinter and printing in color
Posted by Andre Csillaghy 510-6 on Tue, 01 Dec 1998 08:00:00 GMT
View Forum Message <> Reply to Message

Hi,

I want to print a IDLgrScene object using IDLgrPrinter on
{ sparc sunos unix 5.1 Apr 13 1998}

The scene contains several polygons with textures. Each polygon use a specific color table (IDLgrPalette) for its texture.

I could only print (or save in a file) in black/white. I found no way to print in color. Does somebody know how to print in color?

Any help will be appreciated.

-- Andre

--
Andre Csillaghy
Space Sciences Laboratory Tel 510-643-5146
University of California Fax 510-643-8302
Berkeley, CA 94720-7450 Web http://hessi.ssl.berkeley.edu/~csillag

Subject: Re: IDLgrPrinter
Posted by Ben Tupper on Fri, 23 Mar 2001 15:54:00 GMT
View Forum Message <> Reply to Message

Hello (head hanging low),

I'm not sure if answering my own question indicates that I'm clever or slow. I don't think I want to know.

The correct way to control the size of graphics for the printer (and the clipboard) is to control the dimensions and location of the View that is being rendered.

```
r = dialog_printersetup(myprinterobject)
if r = 1 then begin

   myview->getproperty, location = wloc, dimensions = wdim
   myprinterobject->getproperty, dimensions = pdim
      ;to get a square plot... choose the smaller of pdim
      ;reduce its size a bit to get a decent margin
   viewdim = min(pdim) *0.8
```

```
      ;position the graphic by controlling the LOCATION
   myview->setproperty, dimension = viewdim, location =
pdim*0.1
   myprinterobject->newpage
   myprinterobject->draw, myview
   myprinterobject->newdocument
      ;restore the original view dimensions
   myview->setproperty, location = wloc, dimensions = wdim
endif
```

So, it does seem to be a analogous to the controlling the direct graphics device PRINTER.

Phew! Now, if I could just find that pointer I lost...

Ben

Ben Tupper wrote:

```
>  Hello,
>
>  How is the graphic plotting size/position controlled for the
>  IDLgrPrinter object?  I would like to output a 2d plot such
>  that the axes are scaled isotropically.  I have the view
>  dimensioned properly for IDLgrWindow and IDLgrClipboard...
>  but I don't see how to control the printer dimensions and
>  offset.
>
>  I am using the following steps to print:
>
>  r = dialog_printersetup(myprinterobject)
>  if r = 1 then begin
>     myprinterobject->newpage
>     myprinterobject->draw, myview
>     myprinterobject->newdocument
>  endif
>
>  The graphic atoms in the view are NOT normalized but are in
>  natural data coordinates.
>
>  I keep looking for the equivalent controls dor the direct
>  graphics PRINTER device such as...
>  DEVICE,  ysize = blah, xsize = fooey, xoffset = duh, ...
>
>  IDL> help, !version,/str
>  ** Structure !VERSION, 7 tags, length=44:
```

>   ARCH   STRING   'x86'
>   OS   STRING   'Win32'
>   OS_FAMILY   STRING   'Windows'
>   RELEASE   STRING   '5.4'
>   BUILD_DATE   STRING   'Sep 25 2000'
>   MEMORY_BITS   INT   32
>   FILE_OFFSET_BITS
>   INT   =   64
>
> Thanks,
>
> Ben
>
> --
> Ben Tupper
> 248 Lower Round Pond Road
> POB 106
> Bristol, ME 04539
>
> Tel: (207) 563-1048
> Email: PemaquidRiver@tidewater.net

--
Ben Tupper
248 Lower Round Pond Road
POB 106
Bristol, ME 04539

Tel: (207) 563-1048
Email: PemaquidRiver@tidewater.net