
Subject: Re: Plot into an array

Posted by [david\[2\]](#) on Fri, 29 Jun 2001 13:16:09 GMT

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Dominik Paul writes:

> does somebody know, how I can plot a function into an array, not into a
> window? Or can I get the array of the image of a window for saving as a jpeg
> or gif?

Write into a pixmap window (a window in memory):

```
Window, /Pixmap, /Free  
Plot, myfunction  
array = TVRD() ; or TVRD(True=1) on 24-bit display
```

Or, write into the Z-graphic buffer, if you want
to be assured of having a 2D array:

```
thisDevice = !D.Name  
Set_Plot, 'Z'  
Plot, myfunction  
array = TVRD()  
Set_Plot, thisDevice
```

> Or can I get the array of the image of a window for saving as a jpeg
> or gif?

If you don't want to worry about what kind
of device you are on and what keyword to use
with TVRD, and you want to write JPEG, TIFF,
PNG, GIF, etc files directly (you write JPEG
and GIF files in two completely different ways,
depending upon the type of device you are using),
get ahold of my TVRead program. It takes
care of all these details for you:

<http://www.dfanning.com/programs/tvread.pro>

Then you can use either a pixmap or the Z-buffer and
just do something like this:

```
array = TVRead(/JPEG)
```

To read the image from the display and create the
output file directly.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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