Subject: How to erase a (function graphics) plot. Posted by wlandsman on Mon, 05 Mar 2012 05:27:48 GMT

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I am building a widget application with a widget_window for displaying function graphics plots. By default, function graphics does not erase the old plot in the same window.

p1 = plot(indgen(10)) p2 = plot(sin(indgen(10),/current)

There is a delete method

p1.delete

but that doesn't delete the axes, which still get jumbled together. There is a close method but that destroys the window, and I'd like to keep reusing the widget_window.

Right now I am erasing the plot by loading a white IMAGE() but I hope there is a better way.

Thanks, --Wayne

Subject: Re: How to erase a (function graphics) plot. Posted by Paul Van Delst[1] on Wed, 07 Mar 2012 15:55:55 GMT View Forum Message <> Reply to Message

On 03/05/12 12:07, David Fanning wrote:

> Mark Piper writes:

_

- >> In 8.2, there will be an ::Erase method for NG, analogous to ERASE for
- >> DG. (In 8.0& 8.1, I've "erased" plots as Alain has.)

>

> And welcome to the version-specific code writing world! ;-)

Uh, I think that happens when someone sits down and starts using IDL.

Remember handles? Or, to be more contemporary, remember when IDL didn't have lists and hashes?

cheers,

paulv

p.s. I still use the function down below in some older code - the fixed IDL version is explicitly listed. Oi vey.

```
Local function to convert BYTE/CHAR values
 to a STRING data type.
 Need this because all string netCDF data
 types were returned as BYTE arrays.
For pre IDL v5.3 the returned data type string is "BYTE"
For IDL v5.3 the returned data type string is "CHAR"
 -----
FUNCTION convert_string, data_type, $
              input string, $
              NO_CONVERT=no_convert
 ; Set the IDL version with the bug fix
 fixed_IDL_version = 5.3
 ; If the data type is CHAR, then we have a string. Convert and return.
 IF (STRUPCASE(data type) EQ 'CHAR') THEN $
  RETURN, STRING(input string)
 The data type is not CHAR. Maybe it needs converting, maybe not.
 IF ( FLOAT( !VERSION.RELEASE ) LT fixed_IDL_version AND $
    STRUPCASE( data type ) EQ 'BYTE'
    ( NOT KEYWORD_SET( no_convert ) )
                                                ) THEN $
  RETURN, STRING(input string)
 ; Don't do anything
 RETURN, input string
END; FUNCTION convert string
```

Subject: Re: How to erase a (function graphics) plot. Posted by David Fanning on Wed, 07 Mar 2012 16:03:18 GMT View Forum Message <> Reply to Message

Paul van Delst writes:

> Uh, I think that happens when someone sits down and starts using IDL.

Yes, I've pretty much come to the conclusion that *ALL* IDL routines require wrappers to make them useful. ;-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.idlcoyote.com/

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: How to erase a (function graphics) plot.

Posted by David Fanning on Wed, 07 Mar 2012 16:05:56 GMT

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Paul van Delst writes:

> I still use the function down below in some older code - the fixed IDL version is explicitly listed.

By the way, don't throw these away yet. I ran into someone earlier this week who was using IDL 5.2. You just never know!!

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.idlcoyote.com/

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: How to erase a (function graphics) plot. Posted by David Fanning on Wed, 07 Mar 2012 16:06:48 GMT View Forum Message <> Reply to Message

David Fanning writes:

- > By the way, don't throw these away yet. I ran into
- > someone earlier this week who was using IDL 5.2.

Not Craig, in case you were wondering. :-)

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")