Subject: Re: pixmap problem
Posted by R.Bauer on Thu, 28 Aug 2003 16:53:15 GMT

Steve Ready wrote:

> Well, min would be 0 and max would be 255 for the pixmaps that worked and
> 0 for the ones that didn't. Since the PLOTS command only turns on one
> pixel in the image, total=max for them all.
>
> Steve

Dear Steve,

I asked because my total in 6.0beta does not work right.
I got extremly large numbers while min max gives the right value.

I don't know what's the official version did or if I have found a new bug.

Reimar

>
>
> "Reimar Bauer" <R.Bauer@fz-juelich.de> wrote in message
> news:bika7t$1g9f$1@zam602.zam.kfa-juelich.de...
>> Steve Ready wrote:
>>
>> Dear Steve,
>>
>> in addition to total what shows min and max.
>>
>> Reimar
>>
>>> Folks,
>>>
>>> I am hoping someone can shed some light on this problem.
>>>
>>> I am creating a large image in graphics memory with WINDOW,/PIXMAP and
>>> drawing to it using the PLOTS routine. I have discovered that if I
> specify
>>> a pixmap size larger than a particular value, dependent on the graphics
>>> card, I am able to allocate the graphics memory with no problem but am
> not
>>> able to draw to it. I have verified this on an WinXP and Win2K machine,
>>> both with 32mb graphics cards. Sample demo test code follows with
> typical

>>> output. This is slightly modified code from RSI website for testing
>>> available graphics memory size. Any clues?
>>>
>>> Thanks, Steve
>>>
>>> Steve Ready
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>>>
>>> ;** ***
>>> PRO test_pixmap_size
>>>
>>> cnt = 40L
>>> increment = 100
>>> off=3000
>>> i = 1
>>>
>>> ; Catch when the creation of a pixmap
>>> ; fails, and report the previous
>>> ; pixmap dimensions that succeeded.
>>>
>>> CATCH, errStat
>>> IF (errStat NE 0) THEN BEGIN
>>>   x = ((i-1)*increment)+off
>>>   y = x
>>>   PRINT, 'Suggested maximum pixmap size: ', x, ' by ', y
>>>   RETURN
>>> ENDIF
>>>
>>> ; Loop through potential pixmap dimensions.
>>> FOR i=1,cnt DO BEGIN
>>>
>>>   x = (i*increment)+off
>>>   y = (i*increment)+off
>>>   print, 'Trying: ', x, ' by ', y
>>>
>>>   WINDOW, /PIXMAP, /FREE, XSIZE=x, YSIZE=y
>>>   plots,[.5,.5],[.5,.5],/normal
>>>   print, total(tvrd())
>>>   WDELETE, !D.WINDOW
>>>

>>> ENDFOR
>>> END
>>> ;** ***
>>>
>>> Result is:
>>>
>>> IDL> test_pixmap_size
>>> Trying: 3100 by 3100
>>> 255.000
>>> Trying: 3200 by 3200
>>> 255.000
>>> Trying: 3300 by 3300
>>> 255.000
>>> Trying: 3400 by 3400
>>> 255.000
>>> Trying: 3500 by 3500
>>> 0.000000
>>> Trying: 3600 by 3600
>>> 0.000000
>>> Trying: 3700 by 3700
>>> 0.000000
>>> Trying: 3800 by 3800
>>> 0.000000
>>> Trying: 3900 by 3900
>>> 0.000000
>>> Trying: 4000 by 4000
>>> 0.000000
>>> Trying: 4100 by 4100
>>> 0.000000
>>> Trying: 4200 by 4200
>>> 0.000000
>>> Trying: 4300 by 4300
>>> 0.000000
>>> Trying: 4400 by 4400
>>> 0.000000
>>> Trying: 4500 by 4500
>>> 0.000000
>>> Trying: 4600 by 4600
>>> 0.000000
>>> Trying: 4700 by 4700
>>> 0.000000
>>> Trying: 4800 by 4800
>>> 0.000000
>>> Trying: 4900 by 4900
>>> Suggested maximum pixmap size: 4800 by 4800
>>
>> --
>> Forschungszentrum Juelich

>> email: R.Bauer@fz-juelich.de
>> http://www.fz-juelich.de/icg/icg-i/
>> == ======
>> a IDL library at ForschungsZentrum Juelich
>> http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro. html
>>

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Forschungszentrum Juelich
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http://www.fz-juelich.de/icg/icg-i/
=== ======
a IDL library at ForschungsZentrum Juelich
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