Subject: IPLOT lockup problem Posted by markb77 on Sun, 23 Jul 2006 06:09:47 GMT

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hi,

I'm writing a program that is reading input from the keyboard, and I would like to have the program generate IPLOT plots. When the program calls iplot, however, the iplot window comes up and then freezes. In fact, the entire IDL environment is frozen and I have to shut down IDL in the task manager. I'm running windows XP pro service pack 2, IDL 6.1,

student version.

run this program to see what i mean:

pro dummy

inchar = "

iplot

read, 'give me your input: ', inchar

end

this doesn't freeze all of idl, but it illustrates the basic problem. the iplot window comes up but freezes until the user types something in and hits enter. Inserting a "wait, 10" statement after the iplot command doesn't help.

any suggestions would be greatly appreciated! thanks, Mark

Subject: Re: IPLOT lockup problem

Posted by markb77 on Tue, 25 Jul 2006 16:38:36 GMT

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it seems like in any program that I write, the interpreter is busy enough that it blocks any iplot update until the entire program is finished running. the basic structure of what I'm writing is this:

while quit ne 1 do begin inchar = get_kbrd(0) case inchar of

'a': begin

```
commands...
    end
    'b': begin
        other commands....
    end
    'c': begin
       commands...
       iplot, something....
    end
  end
endwhile
```

when you hit c, the whole IDL environment locks up.

UPDATE: this morning I had a message from RSI saying that they reproduced the non-updating iplot window, and they think that this problem is specific to IDL 6.1

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Chris Torrence wrote:
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```
> Hi,
>
> I'm not sure there is a problem. Iplot is just like any other IDL widget
> program. If the interpreter is busy doing something, then it cannot process
> widget events. Another example would be:
>
> iPlot
> wait, 10
>
> In your program, you are waiting for input from the command line. Did you
> ever enter any input?
>
> -Chris
```