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Subject: Parent Child relationship in IDL

Posted by [IDLmastertobe](#) on Wed, 23 Jun 2004 05:50:12 GMT

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I just implemented a .pro program that displays an image in its draw window. The program is able to draw a box on top of this image where the area of the image enclosed by the box will be zoomed in on another window.

Next, the program takes the image enclosed by the box and passes it on as a parameter to itself using the 'CALL\_PROCEDURE' method.

Essentially, I now have two of the same .pro programs running, where the first window has the original image, and the second window has the zoomed image.

My problem is that I would like to redraw the box on the first window, and output the zoomed image to that same second window. However, the program displays the image enclosed by the box on a third window. How can I construct a relationship between the parent and child window?

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Subject: Re: Parent Child relationship in IDL

Posted by [David Fanning](#) on Thu, 24 Jun 2004 02:54:26 GMT

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IDLmastertobe writes:

- > I took a look at your program and saw how you are able to zoom on a
- > section of the original image and output it to a new window.
- >
- > The program that I am working on does just that, but I want to be able to
- > zoom into consecutive images. In your program, what would you do so that
- > you can recursively zoom in on the new window, such that the new window
- > can do exactly what the original window does.

Well, in the UP section of the draw widget event handler, don't make a window, just call ZImage with the zoomed image as an argument. Be sure you use the GROUP\_LEADER keyword so that all the programs you are spawning die appropriately. :-)

```
'UP': BEGIN
```

```
...
```

```
    ; Subset the image, and apply the zoom factor to it.
```

```
    imageSubset = info.image(x(0):x(1), y(0):y(1))
```

```
    zoomedImage = Congrid(imageSubset, zoomXSize, zoomYSize, $
```

```
    Interp=info.interp)
```

```
    ZImage, zoomedImage, Group_Leader=event.top
```

```
...
```

END

Cheers,

David

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

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