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Subject: widgets

Posted by [Stuart Colley](#) on Fri, 18 Aug 2000 07:00:00 GMT

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I've not really used widgets before, any suggestions on how the following task might be tackled would be appreciated. What I'd like to do is display an image, stored in an array size x by y, using say tvscl, then click on part of the image with the mouse and get x, y, and the value of the array at that location.

Are there any routine(s) suited to this sort of task?

cheers,

Stu

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Subject: Re: widget

Posted by [davidf](#) on Mon, 06 Nov 2000 08:00:00 GMT

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Jean Marc Delvit ([delvit@onecert.fr](mailto:delvit@onecert.fr)) writes:

> How to get a value from a widget box and not from the prompt in IDL?

You need to make what I call a "modal dialog widget".

The main trick (there are several) is to store the information you want to return somewhere outside the program itself.

This is almost always a pointer location.

The program is written as a function and is written so that the program stops or blocks at the XMANAGER call until the widgets are destroyed. At that time the information collected and stored in the pointer location is retrieved and returned to the user as the result of the function.

There is an entire chapter of my book devoted to this subject (if you can find one), or you can look at any number of programs on my web page. Perhaps a good place to start is with PICKCOLORNAME:

```
IDL> color = PickColorName('White')
```

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting

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Subject: Re: widget  
Posted by [Pavel A. Romashkin](#) on Mon, 06 Nov 2000 08:00:00 GMT  
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Write a widget program.

For a more detailed answer, could you try to be more specific about what you want to do?

Cheers,  
Pavel

Jean Marc Delvit wrote:

>  
> How to get a value from a widget box and not from the prompt in IDL?  
>  
> thanks  
>  
> JMD

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