
Subject: Re: Cut, copy and paste

Posted by [David Foster](#) on Tue, 28 Jul 1998 07:00:00 GMT

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Daniel SAGE wrote:

>

> Hello,

> I am using IDL 5.1. I create a widget to visualize an image (TIFF)

> with different options. It misses the traditional Edit with the well

> known command cut, copy, and paste to copy a portion of an image.

> Is there a possibility to write a cut/copy/paste in IDL ?

Jan -

Yes! But the key word here is "write". You can use IDL's DEFROI.PRO to define a polygonal region of interest on the image (or download DEFROI2.PRO/.DOC and DEFROIS.PRO/.DOC from:

ftp://bial8.ucsd.edu/pub/software/idl/share/idl_share.tar.gz

These routines allow you to define multiple ROI's at once, and are a bit more flexible than DEFROI.PRO. It looks like you're involved with medical imaging, so there might be more routines here that would be useful. See the README file for routine summaries.

You can also get a rubber-band box routine from Ray Sterner's libraries:

<http://fermi.jhuapl.edu/s1r/idl/idl.html>

There are a *ton* of other routines here. I wouldn't think of writing something unless I had checked here first.

As for the method, I'd suggest implementing a "buffer" for your cut/copy/paste, as a pixmap window, and then use a combination of: "TV", "TVRD", "DEVICE, COPY=[]" to perform the moving of data from your window to/from the pixmap. Be careful using TVRD with scrollable draw widgets or when the widget is obscured/iconified. This has been a bug under X-Windows for some time now, and I'm not sure if it has been fixed in 5.x or not. You can always use my SAFE_TVTD.PRO instead, but it's just a bit slower (but it works consistently!).

Hope this helps.

Dave

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David S. Foster Univ. of California, San Diego
Programmer/Analyst Brain Image Analysis Laboratory
foster@bial1.ucsd.edu Department of Psychiatry
(619) 622-5892 8950 Via La Jolla Drive, Suite 2240
La Jolla, CA 92037

Subject: Re: Cut, copy and paste
Posted by [davidf](#) on Tue, 28 Jul 1998 07:00:00 GMT
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Daniel SAGE (daniel.sage@epfl.ch) writes:

- > I am using IDL 5.1. I create a widget to visualize an image (TIFF) with
- > different options. It misses the traditional Edit with the well known
- > command cut, copy, and paste to copy a portion of an image.
- > Is there a possibility to write a cut/copy/paste in IDL ?

Absolutely. I would start with the program ZOOMER that you can download from my web page. This program allows you to draw a rubberband box (CUT) around an area of an image and zoom it (COPY/PASTE) into another window. Minor modifications would probably give you exactly what you want.

Cheers,

David

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David Fanning, Ph.D.
Fanning Software Consulting
E-Mail: davidf@dfanning.com
Phone: 970-221-0438
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
