
Subject: Re: Catalyst Library

Posted by [Robert Barnett](#) on Thu, 03 Feb 2005 02:53:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

Wonderful! Works in idl 6.1 on SunOS 5.9. The images occasionally look a bit silly because annotation colors are slipped into the look up table (LUT). However, I think it is quite a reasonable price to pay for the increase in performance. I tried setting 'device, decomposed=0' and 'device, decomposed=1' but it doesn't make any difference.

I wouldn't mind seeing 'Save window as DICOM' or perhaps even 'Send window to PACS' in the file menu. I've been using wrappers to spawn the DICOM Toolkit (DCMTK) for a while now. Amongst many other things DCMTK allows you to send/recieve images using command line executables. I've also got a DICOM writer which is just a logical extention of dicom_writer.pro.

Thanks David,

--

nrb@

Robbie Barnett

imag

Research Assistant

wsahs

Nuclear Medicine & Ultrasound

nsw

Westmead Hospital

gov

Sydney Australia

au

+61 2 9845 7223

Subject: Re: Catalyst Library

Posted by [David Fanning](#) on Thu, 03 Feb 2005 03:24:49 GMT

[View Forum Message](#) <> [Reply to Message](#)

Robert Barnett writes:

> Wonderful! Works in idl 6.1 on SunOS 5.9. The images occasionally look a
> bit silly because annotation colors are slipped into the look up table
> (LUT). However, I think it is quite a reasonable price to pay for the
> increase in performance. I tried setting 'device, decomposed=0' and
> 'device, decomposed=1' but it doesn't make any difference.

The Library should definitely be "device-decomposed-independent",

but I can believe things look silly on any but a 24-bit graphics card. Dave and I both thought there was no sense any more writing software that is restricted to 8-bits of color. It is a lot of work for machines that **surely** are going to be obsolete real soon now. :-)

> I wouldn't mind seeing 'Save window as DICOM' or perhaps even 'Send
> window to PACS' in the file menu. I've been using wrappers to spawn the
> DICOM Toolkit (DCMTK) for a while now. Amongst many other things DCMTK
> allows you to send/recieve images using command line executables. I've
> also got a DICOM writer which is just a logical extention of
> dicom_writer.pro.

As soon as I get a customer that requires DICOM output, I'll probably have to purchase that option. Meanwhile, my second son is picking out colleges and my attention (and wallet) is directed elsewhere. :-(

What is PACS, anyway? Never heard of it.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Subject: Re: Catalyst Library

Posted by [Robert Barnett](#) on Mon, 07 Feb 2005 00:09:11 GMT

[View Forum Message](#) <> [Reply to Message](#)

> The Library should definitely be "device-decomposed-independent",
> but I can believe things look silly on any but a 24-bit graphics
> card. Dave and I both thought there was no sense any more writing
> software that is restricted to 8-bits of color. It is a lot of work
> for machines that **surely** are going to be obsolete real soon now. :-)

David,

I am definately on 24-bit graphics display. If I do the following commands:

```
a = dist(255) & b = rot(a,33) & c = rot(a,60)
```

```
erase & tv, a, 0,0, 1 & tv, b, 0, 0, 2 & tv, c, 0, 0, 3
```

It looks as it would in windows.

My idl startup tells all:

```
adac9{24}{~/idl} > more idl.startup
```

```
device, TRUE_COLOR=24  
device, decomposed=0  
!order=1
```

I'm guessing that your application picks up that I'm using decomposed=0 and takes the sensible precaution of never trying to display more than 256 colors.

I think I used device, decomposed=0 because some of our older workstations here use Pseudo color. I too am of the opinion that they are ready for the junk heap.

--

nrb@
Robbie Barnett
imag
Research Assistant
wsahs
Nuclear Medicine & Ultrasound
nsw
Westmead Hospital
gov
Sydney Australia
au
+61 2 9845 7223
