
Subject: Can you please explain me the meaning of the following IDL code?

Posted by [Sonu Tabitha](#) on Tue, 05 Apr 2016 08:14:45 GMT

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```
patt=bytarr(400,400)
q=bytarr(100,100)+16
for i=0,3 do for j=0,3 do patt[i*100,j*100]=(i+4*j)*q
ctv,patt
end
```

Subject: Re: Can you please explain me the meaning of the following IDL code?

Posted by [rawahranger](#) on Tue, 05 Apr 2016 14:08:11 GMT

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On Tuesday, April 5, 2016 at 2:14:47 AM UTC-6, Sonu Tabitha wrote:

```
> patt=bytarr(400,400)
> q=bytarr(100,100)+16
> for i=0,3 do for j=0,3 do patt[i*100,j*100]=(i+4*j)*q
> ctv,patt
> end
```

Make a meaningless array by doing some math on another meaningless array. Then display it.

Cheers,

David

Subject: Re: Can you please explain me the meaning of the following IDL code?

Posted by [wlandsman](#) on Tue, 05 Apr 2016 14:13:52 GMT

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Did you try to run it?

It displays a 400 x 400 image on the screen, consisting of a 4 x 4 grid of 16 boxes (each of size 100 x 100) with intensity varying 0 to 256.

The code uses a non-standard procedure CTV, which is likely from an image display package I wrote 20 years ago

idlastro.gsfc.nasa.gov/ftp/contrib/landsman/mousse/

I would suggest replacing this with the intrinsic TV command or better yet with CGIMAGE from the Coyote library

http://www.idlcoyote.com/graphics_tips/coyote_graphics.php

If you are trying to learn IDL I would suggest using a beginners guide such as

<http://learnidl.com/>

<http://www.faculty.virginia.edu/rwoclass/astr511/IDLguide.html>

<http://slugidl.pbworks.com/w/page/28913065/A%20Slug%27s%20Guide%20to%20IDL>

This newsgroup is very useful for specific questions, but it is not the place to learn IDL. --Wayne

On Tuesday, April 5, 2016 at 4:14:47 AM UTC-4, Sonu Tabitha wrote:

```
> patt=bytarr(400,400)
> q=bytarr(100,100)+16
> for i=0,3 do for j=0,3 do patt[i*100,j*100]=(i+4*j)*q
> ctv,patt
> end
```

Subject: Re: Can you please explain me the meaning of the following IDL code?

Posted by [Sonu Tabitha](#) on Thu, 07 Apr 2016 12:08:14 GMT

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On Tuesday, April 5, 2016 at 1:44:47 PM UTC+5:30, Sonu Tabitha wrote:

```
> patt=bytarr(400,400)
> q=bytarr(100,100)+16
> for i=0,3 do for j=0,3 do patt[i*100,j*100]=(i+4*j)*q
> ctv,patt
> end
```

Thanks !
