Subject: Re: LOADCT and TVSCL
Posted by Michael Wallace on Fri, 19 Mar 2004 17:28:29 GMT
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> Suppose I want to use B-W Linear color table inverted. From white do
> black. I thought this code could do it:
>
> LOADCT, 0
> for i = 0, 255 do TVLCT, 255-i, 255-i, 255-i, i
> TVSCL, img
>
> Doesn't work. I haven't understood well how TVLCT works? What's wrong?
> How can I make it?

Try sending arrays to tvlct instead...

```
i = 255 - indgen(256)  ; create an array from 255 to 0
tvlct, i, i, i         ; use this array for red, green and blue
```

Subject: Re: LOADCT and TVSCL
Posted by Antonio Santiago on Fri, 19 Mar 2004 18:41:02 GMT
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No Nuno,

if you put 255-i that isn't a vector.
You can do:

```
v = reverse(indgen(256))
```

then v is a vector with 255,254,...0 and you can use like a RGB.

Bye :)

Nuno Oliveira wrote:
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> How can I make it?
>

> Thanks,
>
> Nuno.
>

Subject: Re: LOADCT and TVSCL
Posted by btt on Fri, 19 Mar 2004 19:20:52 GMT
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Michael Wallace wrote:
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>
>
> Try sending arrays to tvlct instead...
>
> i = 255 - indgen(256) ; create an array from 255 to 0
> tvlct, i, i, i ; use this array for red, green and blue

You could also leave the color table alone and manipulate the image instead.

IDL> img = BYTSCL(hanning(200,200), top = 150B) + 30B

IDL> loadCT, 0
IDL> tvscl, img
IDL> tvscl, 255B - img, 210, 0

Liam Gumley's IMDISP and David Fanning's TVIMAGE have this "inverting"
capability built-in via keywords.

ben
