Subject: Re: colour conversion 8 -> 24 bit
Posted by David Fanning on Tue, 21 Nov 2006 14:13:06 GMT
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Bringfried Stecklum writes:

> it might seem weird but for some reason I want to convert a colour-indexed 8 bit
> image to a true colour one. Since there is no opposite of color_quan I ask
> around how to perform a "colour extension"?

Like this:

```
LoadCT, 5
TVLCT, r, g, b, /Get
image24 = [ [[ r[image] ]], [[ g[image] ]], [[ b[image] ]] ]
```

You can find the details here:

http//www.dfanning.com/color_tips/image24_from_image8.html

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: colour conversion 8 -> 24 bit
Posted by Kenneth Bowman on Tue, 21 Nov 2006 14:15:57 GMT
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In article <ejuv22$jf4$1@lc03.rz.uni-jena.de>,
Bringfried Stecklum <stecklum@tls-tautenburg.de> wrote:

> Hello,
>
> it might seem weird but for some reason I want to convert a colour-indexed 8 bit
> image to a true colour one. Since there is no opposite of color_quan I ask
> around how to perform a "colour extension"?

If you have the 8-bit image and color table, just look up the intensities for
each color component in the table. Without actually trying it, something
like this:

```
image8 = BYTARR(ni, nj)          ;Your 8-bit image
```

```
table  = BYTARR(255, 3)          ;Color table for 8-bit image

image24 = BYTARR(ni, nj, 3)      ;Empty 24-bit image

image24[0,0,0] = table[image8, 0] ;Red image plane
image24[0,0,1] = table[image8, 1] ;Green image plane
image24[0,0,2] = table[image8, 2] ;Blue image plane
```

Ken Bowman

Subject: Re: colour conversion 8 -> 24 bit
Posted by Bringfried Stecklum on Tue, 21 Nov 2006 19:53:34 GMT
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Although David was faster by 2mins in his response thanks to both of you!

regards,

Bringfried
