
Subject: 8 to 24 bit conversion

Posted by [KM](#) on Tue, 09 Nov 2004 22:31:54 GMT

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I am trying to convert an 8 bit image created in the Z buffer to a 24 bit image. Is this possible? I would think so. But I am having trouble getting it to work.

I based my code off of this algorithm:

<http://groups.google.com/groups?hl=en&lr=&selm=c0jq0j%24i40%241%40nntp6.u.washington.edu>

But I don't want to use the COLOR_QUAN bit of code that reduces it

back to 8 bits.

Can anyone point me to a library that does this, or point out some of the errors in the code below? Please don't point out the embarrassing optimization errors I know are there...

Thanks

-k.

```
image = TVRD()  
TVLCT, R, G, B, /GET
```

```
s = SIZE(image, /DIMENSIONS)  
rImage = BYTARR(s)  
gImage = BYTARR(s)  
bImage = BYTARR(s)  
; replace this section with a HISTOGRAM statement  
for n=0, 255 do begin  
  idx = WHERE(image eq n, count)  
  if (count gt 0) then begin  
    rImage[idx] = R[n]  
    gImage[idx] = G[n]  
    bImage[idx] = B[n]  
  endif  
endfor
```

```
newImage = bytarr( s(0), s(1), 3 )  
newImage[*,*,0] = rImage  
newImage[*,*,1] = gImage  
newImage[*,*,2] = bImage
```
