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
```