
Subject: Re: Faster than looping?

Posted by [Liam Gumley](#) on Thu, 26 Aug 1999 07:00:00 GMT

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Richard Tyc wrote:

```
> Is there a faster way of doing the following for-loop code (it basically
> looks for yellow in an RGB image and turns it white with intensity 254 .
>
> img = bytarr(3,512,512)
>
> for j=0,511 do begin
>   for k=0,511 do begin
>     if (img[0,j,k] eq 255 and img[1,j,k] eq 255 and img[2,j,k] eq 0)
> then begin
>   img[0,j,k] = 254
>   img[1,j,k] = 254
>   img[2,j,k] = 254
>   endif
>   endfor
> endfor
```

```
c0 = img[0, *, *]
c1 = img[1, *, *]
c2 = img[2, *, *]
index = where(c0 eq 255 and c1 eq 255 and c2 eq 0, count)
if count gt 0 then begin
  c0[index] = 254
  c1[index] = 254
  c2[index] = 254
  img[0, *, *] = temporary(c0)
  img[1, *, *] = temporary(c1)
  img[2, *, *] = temporary(c2)
endif
```

Cheers,
Liam.

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