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Subject: Re: thresholding/color question

Posted by [davidf](#) on Sat, 05 Feb 2000 08:00:00 GMT

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Patty Howell ([p.a.howell@larc.nasa.gov](mailto:p.a.howell@larc.nasa.gov)) writes:

- > I want to display all values of an image with
- > amplitudes greater than a given threshold limit in
- > red, while leaving the rest of the image in
- > greyscale. I know there has to be a simple way to
- > do this, but I sure can't find it.

I'd set up the colors like this:

```
LoadCT, 0, NColors=!D.Table_Size-3 ; Gray-Scale
TVLCT, 255, 0, 0, !D.Table_Size-2 ; Red pixel.
```

Then, I'd scale my image data like this:

```
scaledImage = ByteScl(image, Top=!D.Table_Size-4)
```

I'd find the red pixels and assign them like this:

```
redPixels = Where(image GT threshold, count)
IF count GT 0 THEN scaledImage[redPixels] = !D.Table_Size-2
```

Display the data like this:

```
TV, scaledImage
```

Cheers,

David

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