Subject: Re: Quick question regarding "where" function
Posted by Michael Wallace on Wed, 12 Oct 2005 21:40:13 GMT

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ChiChiRuiz@gmail.com wrote:
> I have an image of pixels (xsize by ysize), each pixel is associated
> with a value.  Say I'd like to know which pixels have value over 20.  I
> need to book-keep the values as well as the location of the pixel (i.e.
> x, y values).  I started with
>
> indices = where (image GT 20)
>
> now I have a list of indices, what do i do next?  How do I go backwards
> to retrieve the values and the locations of the pixels that pass the
> test?

The locations of the pixels are the numbers in your indexes variable.
Remember that the where function (and others) index into your array as
if it were one-dimensional rather than two-dimensional, so will only see
these 1-d indexes rather than pairs of x,y indexes.

The values greater than 20 can be returned by indexing into your
original array with the array of indexes you just got from the where
function: values = image[indexes]

-Mike