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Subject: Re: Grayscale AND Binary Image  
Posted by [Alex Schuster](#) on Mon, 11 Mar 2002 10:32:25 GMT  
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Akhila wrote:

```
>> For example, instead of
>>
>> new_img = original_img * mask_img
>>
>> you can do it that way:
>>
>> index = where( mask_img eq 1 )
>> new_img = 0 * original_img
>> new_img[index] = original_img[index]
>>
>> or:
>>
>> index = where( mask_img eq 0 )
>> new_img = original_img
>> new_img[index] = 0
>>
>> Alex
```

```
> yes. i want to get the indices of the pixels in the
> masked region and plot them in the original image.
>
> The idea you had suggested does the same thing as *
```

Correct, it was just indented as an example for where().

```
> i'm not sure if i can get the indices only (pixel
> location and not the value of the pixel) in a variable
> and then use those values to mask the original image
> and set the values of rest of the pixels to 0 in the
> original image.
>
> I hope i'm clear this time.
```

Sorry, I still don't understand. Why doesn't the code above already do what you want?

And the indices `_are_` already there, they are in the index array. If you need them as coordinates, you can calculate them like this:

```
x_coord = index mod x_dim
y_coord = index / y_dim
```

Alex

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