
Subject: Re: the position of the pixel in 3 dimensional array

Posted by [rogass](#) on Sun, 03 Jan 2010 20:20:17 GMT

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On 29 Dez. 2009, 19:00, Hassan <hkhav...@gmail.com> wrote:

> Hi,

>

> I used the folloing command to get a one-dimensional array:

> pos_g0=where(image gt 0)

Now you have a index list of all pixels greater than zero.

> now, I have a pixel that know the value in three positions of

> [388,168,13],[388,168,33],[388,168,48]] ([column,row,band]) and want to

> work out the location of pixel in the pos_g0 which is in 3 locations.

I don't understand this part. Do you mean that you want to check whether the pixels stored in you pos_g0 list match the three points or what? If this is the case why not:

```
ra = make_array(size(ref1,/dimensions),/index)
```

```
list = [ra[388,168,13],ra[388,168,33],ra[388,168,48]]
```

```
pos_g0=where(image gt 0,cnt)
```

```
llist =rebin(list,3,cnt)
```

```
pixel_pos=[where(pos_g0-llist[0,*] eq 0),where(pos_g0-llist[1,*] eq  
0),where(pos_g0-llist[2,*] eq 0)]
```

Hope it helps somehow, it wa not tested...

Regards

CR
