
Subject: Re: Manipulation using where
Posted by [wxf](#) on Thu, 22 Mar 2007 08:26:22 GMT
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Somebody above use "mod-method".That is correct.

I often use "array_indices" function to change the result of "where"
into two dimensional coordinates.It's ok,but I never tried 3-D case.

```
IDL> dat=dist(400,300) ; a data array
IDL> index=where (dat eq 100)
IDL> ind = array_indices(dat,index)
IDL> xarray=ind(0,*) ; get X
IDL> yarray=ind(1,*) ; get Y
IDL> tvscl, dat ; show image
IDL> plots, xarray, yarray, psym=2, color=150,/dev ;over plot the
points
If you want to change (x,y) into one dimensional coordinate('where()'-
result),you can use this formula.
;your image size-(m,n),any coordinates(x,y)
;position=mL*long(round(y))+long(round(x))
```

You see,it is not difficult.3-D's case and formula can be available
just do the same thing.

Good luck
wxf
