Subject: Re: New IDL User Questions
Posted by Craig Markwardt on Wed, 09 May 2001 03:30:15 GMT
View Forum Message <> Reply to Message

"John Piccirillo" <jpicciri@radiancetech.com> writes:
> 2. Array Operations - Not being used to IDL type of array operations,
> is there a simpler way to do the following?
> a.
> For I = 0, 199 Do Begin
> For J = 0, 84 Do Begin
> If (ImageMask[I,J] EQ 1) Then ImageROI[I,J,*] =
> ImageS[I,J,*]
> Else ImageROI[I,J,*] = 0
> EndFor
> EndFor
> I thought of using the WHERE function as in,
> ROI = Where(ImageMask EQ 1)
> but ImageROI[ROI} = ImageS{ROI} leaves out the third dimension.

JD may have been thinking of a different question here. I believe you want only a slight modification to your code:

```
ROI = Where(ImageMask EQ 1)
ImageROI[ROI,*] = ImageS[ROI,*]
```

This will include the third dimension.

> b. ;blow-up image X 9 For Screen Display
> For j = 0,84 Do Begin
> For i = 0,199 Do Begin
> JImage[3*i,3*j] = ImageS[i,j,[4]]
...
> EndFor
> EndFor

Liam plugged IMDISP so I will plug PLOTIMAGE on my web page. If you really just want to expand an image then it is very straightforward to use the REBIN function. Otherwise either Liam or my image display program will be quite easy.

```
JImage = rebin(ImageS[*,*,4], 200*3, 85*3, 1)
```

The extra "1" is because ImageS[*,*,4] is really a 200x85x1 array.

Craig

http://cow.physics.wisc.edu/~craigm/idl/idl.html (PLOTIMAGE is under Graphics)

--

---------- ----------
Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
---------- ----------