Subject: Re: Combining subimage data to corresponding X and Y location
Posted by btt on Wed, 11 Aug 2004 12:06:00 GMT
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Roy wrote:
> I'm not sure how to approach this. Say I have multiple x and y index
> locations only. Each x and y locations I have a 7x7 image separately.
> I would like to combine the corresponding 7x7 image to x and y
> coordinates.
>

Hi,

Assuming you want to build a mosaic of all these small images... I think you could start with the following. Depending upon how X and Y are defined, you may need to fiddle with the coordinates in arr[X[i], Y[i]] within the loop.

```
minX = MIN(X, max = maxX)
minY = MIN(Y, max = maxY)

w = maxX + 7
h = maxY + 7

arr = BYTARR(w,h)

For i = 0L, nSubImages-1 do $
 arr[X[i], Y[i]] = SubImage[i]
```

Ben

Subject: Re: Combining subimage data to corresponding X and Y location
Posted by roberson_1 on Thu, 12 Aug 2004 05:05:17 GMT
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Ben,
Multiple attempts were made with like success.
For clarification:
Each Cent(X,Y) corresponding subimage of 7x7. Ultimately I would like to take the Center of Mass for each 7x7 and plot with corresponding Cent(X,Y) to create a larger plot. This will provide how the Center of Mass changes for each Cent(X,Y) position.

Cent(X, Y)

127.587 113.962
127.349 114.008
127.163 113.999
127.046 114.055

Subimage correspond to index

Correspond to Cent(127.587 113.962)

0.574781 0.710174 1.11613 0.0628676 2.15884 3.5404
0.647435
0.670192 0.185538 2.38176 0.442169 4.13978 0.151913
1.47754
2.24566 15.9491 45.5041 94.6264 18.2580 0.0686491
1.44638
2.48683 16.2041 259.903 385.790 19.8509 0.343980
1.73635
1.92025 14.9985 32.3723 48.7690 12.0859 0.151753
1.14184
0.769 16.1704 2.40366 0.184009 2.51515 0.27841 0.673695
0.351 0.670803 0.816290 0.0503372 1.90759 1.15470
0.329367

correspond to Cent(127.349 114.008)

0.288 0.4370 0.132015 1.73068 1.68882 1.76559
6.35460
0.512 0.8411 0.305682 2.07841 0.133799 2.88058
.33530
2.868 1.9999 16.1136 45.7067 78.0784 8.38238
0.358980
0.120 2.954 31.5873 413.959 243.524 10.6291
0.755168
0.060 1.53505 15.4157 43.8277 61.5118 6.78420
0.154925
.331 1.25932 13.3936 3.20198 0.187799 2.79623
0.480235
0.6992 0.9278 0.694831 0.985312 0.0431018 1.98963
0.823900

correspond to Cent(127.163 113.999)

0.637 0.773767 0.550062 1.99125 3.29427 1.54251
1.96374
0.082 1.06654 0.135859 2.48278 0.0664921 2.45176
0.961280
2.192 2.57012 15.5122 57.0412 62.9456 5.15841

0.311429
0.675 3.34858   45.6092   524.321   124.719   6.8496
1.64153
0.545 1.82779   20.5371   44.8762   47.0801   2.5676
0.314900
0.935 1.70456   10.8676   3.22960   0.0677238   3.1281
0.109825
0.217 0.853791   0.684039   1.05142   0.0112753   1.66123
0.0886411

ETCï¿½.
