Posted by oliver[1] on Thu, 07 Nov 2013 12:45:37 GMT

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Hi

This may be a much answered question, but searching for an answer has failed me.

I have 3 (very large) arrays giving x values, y values and energy values.

I wish to create two 2d arrays - one of total (summed) energy for a particular x,y value, and one of total counts per x,y value.

An example of what I tried is below:

x=[1,1,2]
y=[1,1,2]
e=[10,10,10]

To create the 'counts' value, i used the following:

counts=fltarr(5,5)

counts(x,y)++

This works. You end up with a value of 2 at position(1,1) and a value of 1 at position (2,2).

I hoped to get the 'total energy' value by doing the following:

totalenergy=fltarr(5,5)

totalenergy(x,y)+=e

However, this does not work. The final array only contains the last energy value added at each point.

Is there an IDL trick I'm missing that allows you to incrementally add values to an array quickly?

Thanks

Oliver