Subject: Re: Selecting data from two separate arrays
Posted by Fster on Tue, 22 Jun 2010 10:20:37 GMT
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On 21 June, 21:33, Ed Hyer <ejh...@gmail.com> wrote:
> On Jun 21, 12:57 pm, Fster <francis.colle...@live.co.uk> wrote:
>
>> Would it be easier to combine them into one array? The issue is that
>> one array is on the x and y axis, and the other is on x, y, z axis,
>> BUT the x and y axis are the same for each of the arrays and equal
>> number of grid points...
>
> So, you want to select points from the XY array, and the extract the
> corresponding data from the XYZ array, right?
>
> There are quite a few ways to do this. Here's a simple one, not the
> fastest, but the simplest code-wise:
>
> DATA2 = <XY data>
> DATA3= <XYZ data>
> ;Get size of Z dimension
> NZ=(size(DATA3))[3]
> ; pick points from the XY data
> F2 = WHERE(DATA2 ge VALUE,NF2)
> ; set up an array to hold the extracted 3D data
> DATA3_EXTRACT = FLTARR(NF2,NZ)
> ; load the data into the array
> for IZ=0l,NZ-1 do DATA3_EXTRACT[*,IZ]=(DATA3[*,*,IZ])[F2]

In IDL is last section of the last line is it indexing or multiplying?