
Subject: Re: Selecting data from two separate arrays

Posted by [Fster](#) on Mon, 21 Jun 2010 20:50:56 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=0I,NZ-1 do DATA3_EXTRACT[* ,IZ]=(DATA3[* ,IZ])[F2]

Thanks I see whats going on here, but at DATA3_EXTRACT line, it is saying 'Array dimensions must be greater than 0.' and execution is halted at this line.
