
Subject: Re: Array definition

Posted by [Conor](#) on Wed, 08 Aug 2007 17:38:34 GMT

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On Aug 8, 1:18 pm, Yaswant Pradhan <Yaswant.Prad...@gmail.com> wrote:

> On Aug 8, 6:00 pm, Melanie <mkjone...@gmail.com> wrote:

>

>> Hi,

>> I am trying to check an array of about 19000 elements for values that

>> are above a certain value. I then want to save only the index of the

>> larger values in a new array.

>

> avoid FOR loop, use WHERE

> indices = where(array GT value, n_wh)

>

>

>

>> So, I am going through the original array with a for loop and checking

>> if each value is greater than 19:

>> for i=0, nelements-1 do begin

>> if (array1[i] gt 19) then...

>

>> Next, if the value in array1 is in fact greater than 19, I want to

>> save the value of i into a new array such as

>

>> if(array1[i] gt 19) then array2[...]=i

>

>> But I'm not sure how to make this work such that I can write each

>> subsequent i value for which the value in array1 is gt 19 into each

>> subsequent space in array2...

>

>> Any ideas? Please let me know if this question is not clear...

specifically:

```
array_size = size(array1, /dimensions)
```

```
array2 = fltarr(array_size)
```

```
w = where( array1 gt value, c )
```

```
if c gt 0 then array2[w] = array1[w]
```
