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Subject: Re: arrays as subscripts

Posted by [mperrin+news](#) on Fri, 17 May 2002 04:05:26 GMT

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David Fanning <david@dfanning.com> wrote:

> lyubo (lzagorch@cs.wright.edu) writes:

>

>> Suppose I have 3 arrays with the same dimensions: A, B and C.

>>

>> I have to use the non zero elements of A as index to access B, then use

>> the accessed values from B as index to access C, and finally store the

>> values from C in a new array at the previously indexed positions of B.

>>

>> Is there an effective way to do that in IDL? I can write a call to a

>> C function but I was wondering if I can do it only in IDL.

>>

>> Any examples and help would be appreciated.

>

> I'm doing this after a couple of beers, so...

>

> I = Where(A GT 0, count)

> IF count GT 0 THEN BEGIN

>   bindex = b[i]

>   b[i] = c[bindex]

> ENDIF

He said a new array, though, for the last one, so something like

```
newarr = fltarr(n_elements(B)) ; or whatever type of arr it is
```

```
I = Where(A GT 0, count)
```

```
IF count GT 0 THEN BEGIN
```

```
  newarr[i] = c[b[i]]
```

```
ENDIF
```

I think that's what he was getting at...

- Marshall

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