
Subject: Re: array addressing
Posted by [thompson](#) on Mon, 01 Aug 1994 21:06:38 GMT
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kump@morph.ebme.cwru.edu (Kenneth S. Kump) writes:

> Just a quick question:

> A=indarr(10,5)
> B=[0,0,1,0,1]

> I would like array C to consist of only A(*,2) and A(*,4).
> I understand why C=A(*,B) doesn't work, but what is the
> correct way?

Just thinking off the top of my head, one could do something like the following:

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IDL> SZ = SIZE(A) ;Get dimensions of A
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IDL> C = A(WHERE(BB EQ 1)) ;Extract requested data
IDL> C = REFORM(C,SZ(1),TOTAL(B)) ;Rectify dimensions
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I haven't actually tried this to confirm that it works, but I think it will.
:^)

Bill Thompson

Subject: Re: array addressing
Posted by [peter](#) on Mon, 01 Aug 1994 22:04:33 GMT
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William Thompson (thompson@orpheus.gsfc.nasa.gov) wrote:
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Or, c=a(*,[2,4]) might be a bit easier...

Subject: Re: array addressing

Posted by [kucera](#) on Mon, 01 Aug 1994 23:49:00 GMT

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In article <CtvMnL.MAD@hpl.hp.com>, peter@hpl.hp.com (Peter Webb) writes...

> William Thompson (thompson@orpheus.gsfc.nasa.gov) wrote:

> : kump@morph.ebme.cwru.edu (Kenneth S. Kump) writes:

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Or, `c=a(*,where(b))` if you don't know `b` ahead of time.

Terry Kucera

Subject: Re: array addressing

Posted by [sjt](#) on Tue, 02 Aug 1994 09:44:43 GMT

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Terry Kucera (kucera@stars.gsfc.nasa.gov) wrote:

: In article <CtvMnL.MAD@hpl.hp.com>, peter@hpl.hp.com (Peter Webb) writes...

: >William Thompson (thompson@orpheus.gsfc.nasa.gov) wrote:

: >: kump@morph.ebme.cwru.edu (Kenneth S. Kump) writes:

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: Terry Kucera

maybe for safety you might be better with:

`locs=where(b,nl)`

`if (nl ne 0) then c=a(*,locs)`

to avoid the risk of having effectively `c=a(*,-1)` which will crash your program.

--
James Tappin, School of Physics & Space Research
University of Birmingham
sjt@xun8.sr.bham.ac.uk
"If all else fails--read the instructions!"

O
-- $\overline{V}$
