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:

IDL > SZ = SIZE(A); Get dimensions of A

IDL> BB = REPLICATE(1,SZ(1)) # B ;Match dims. of B to A

IDL> C = A(WHERE(BB EQ 1)); Extract requested data

IDL> C = REFORM(C,SZ(1),TOTAL(B)); Rectify dimensions

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:

- : kump@morph.ebme.cwru.edu (Kenneth S. Kump) writes:
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: Bill Thompson

Or, c=a(*,[2,4]) might be a bit easier...

: following:

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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Posted by sit on Tue, 02 Aug 1994 09:44:43 GMT

Subject: Re: array addressing

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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:
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: >: I haven't actually tried this to confirm that it works, but I think it will.
: >: :^)
: >
: >: Bill Thompson
: >
: > Or, c=a(*,[2,4]) might be a bit easier...
: Or, c=a(*,where(b)) if you don't know b ahead of time.
     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.
```

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

