
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:

>

> : >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

>

> 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
