
Subject: Re: For loop avoidance - getting indices of real space
Posted by [lecacheux.alain](#) on Fri, 24 Aug 2012 14:41:10 GMT
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Le vendredi 24 août 2012 16:25:03 UTC+2, simu...@gmail.com a écrit :

> On Friday, August 24, 2012 5:32:05 AM UTC-4, alx wrote:

>

>> Le jeudi 23 août 2012 22:58:48 UTC+2, simu...@gmail.com a écrit :

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>> If I understand well your problem, a solution might be:

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>> IDL> coord = [[lindgen(xcells)#replicate(1,ycells*zcells)], \$

>

>>

>

>> IDL> [lindgen(ycells)#replicate(1,xcells*zcells)], \$

>

>>

>

>> IDL> [lindgen(zcells)#replicate(1,xcells*ycells)]]

>

>>

>

>> IDL> coord = reform(coord,ncells,3,/OVER)

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>> alain.

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> This seems like a great idea, but IDL won't let me concatenate arrays like this. The above produces the error message:

>

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>
> % Unable to concatenate variables because the dimensions do not agree: <LONG
Array[10,300]>.
>
>
>
> Can you think of another way to form those coordinates?
>
>
>
> Thanks,
>
>
>
> Christina

Sorry, I missed one step: I should have rather written:

```
IDL> coord = [ reform([lindgen(xcells)#replicate(1,ycells*zcells),ncells]), $  
IDL>   reform([lindgen(ycells)#replicate(1,xcells*zcells)],ncells), $  
IDL>   reform([lindgen(zcells)#replicate(1,xcells*ycells)],ncells) ]
```

alain.
