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Subject: Re: Matrix Transpose

Posted by [Vince Hradil](#) on Tue, 22 Jul 2008 19:21:12 GMT

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On Jul 22, 2:17 pm, xiao <littledd...@gmail.com> wrote:

> Hi~ Everyone~

> I got a question here about matrix,

> I created a 3 dimensional array which is 2\*3\* 4 in C and the read it

> out using IDL. I found the index of these numbers are different , just

> like this :

C	IDL
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1, 2, 2	0, 2, 3
1, 1,3	1, 0,3
0,1,2	0, 0, 1
0 ,0 ,3	1, 1, 0
1,1 ,2	0 ,0 ,3

> Do can have any ideas how can I put then in the right order in Idl?

> Thank u~~ :)

look into TRANSPOSE() in the help system.

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Subject: Re: Matrix Transpose

Posted by [xiao zhang](#) on Tue, 22 Jul 2008 19:35:34 GMT

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On Jul 22, 2:21 pm, Vince Hradil <hrad...@yahoo.com> wrote:

> On Jul 22, 2:17 pm, xiao <littledd...@gmail.com> wrote:

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Subject: Re: Matrix Transpose

Posted by [Vince Hradil](#) on Tue, 22 Jul 2008 19:41:41 GMT

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On Jul 22, 2:35 pm, xiao <littledd...@gmail.com> wrote:

> On Jul 22, 2:21 pm, Vince Hradil <hrad...@yahoo.com> wrote:

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To make the mapping easier, can you make the C matrix 1...24 (or 0...23). Then you might be able to figure out what's going on.

---

Subject: Re: Matrix Transpose

Posted by [xiao zhang](#) on Tue, 22 Jul 2008 19:52:52 GMT

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On Jul 22, 2:41 pm, Vince Hradil <hrad...@yahoo.com> wrote:

> On Jul 22, 2:35 pm, xiao <littledd...@gmail.com> wrote:

>

>

>

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```

I think the nidex for them are  
C: 18,23,20,7,4,19  
IDL: 23,12,16,2,17,4  
XIAO

---

**Subject: Re: Matrix Transpose**  
Posted by [Vince Hradil](#) on Tue, 22 Jul 2008 20:03:10 GMT  
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On Jul 22, 2:52 pm, xiao <littledd...@gmail.com> wrote:
> On Jul 22, 2:41 pm, Vince Hradil <hrad...@yahoo.com> wrote:
>
>
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>> On Jul 22, 2:35 pm, xiao <littledd...@gmail.com> wrote:
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```

```

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> C: 18,23,20,7,4,19
> IDL: 23,12,16,2,17,4
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```

That's only 6?

Subject: Re: Matrix Transpose

Posted by [R.G. Stockwell](#) on Tue, 22 Jul 2008 20:36:49 GMT

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"xiao" <littleddna@gmail.com> wrote in message  
 news:39798cb6-9437-4373-b45d-1d0a3ab4dc85@s50g2000hsb.google groups.com...

```

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```

Perhaps test with a 2D array first, so you can see how the indices change in 2D, then 3D may be obvious.

Cheers,  
bob

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Subject: Re: Matrix Transpose  
Posted by [xiao zhang](#) on Tue, 22 Jul 2008 20:45:32 GMT  
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Sorry , other values are all zero , so I can hardly tell the index there :)

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Subject: Re: Matrix Transpose  
Posted by [xiao zhang](#) on Tue, 22 Jul 2008 20:45:50 GMT  
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On Jul 22, 3:36 pm, "R.G. Stockwell" <notha...@noemail.com> wrote:

> "xiao" <littledd...@gmail.com> wrote in message

>  
> news:39798cb6-9437-4373-b45d-1d0a3ab4dc85@s50g2000hsb.google groups.com...  
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Good Idea :)

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