Subject: Re: Question/Bug on Transpose
Posted by Craig Markwardt on Wed, 22 Aug 2001 23:06:45 GMT

Joe Means <joe.means@orst.edu> writes:

> Hello IDL group,
>   I have this problem transposing 3-D pointer arrays. Try this example:
>
> testptr = ptrarr(2,3,4)
> ccc = Transpose(testptr)
> ;This gives an error:
> % TRANSPOSE: Pointer expression not allowed in this context: TESTPTR.
>
> ;What I really want to do is:
> ccc = Transpose(testptr,[1,0,2])   ;But this gives the same error

This is truly annoying and I think it is a bug.

A simple workaround is to use a FOR loop and copy each plane of your
cube one at a time. It's not luxurious but it will work:

```
 inptr  = ptrarr(nx, ny, nz)
 outptr = ptrarr(ny, nx, nz)
 for i = 0, nx-1 do outptr(*,i,*) = inptr(i,*,*)
```

Craig

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