Subject: Re: rotating 3d array: help for the braindead!
Posted by Fergus Gallagher on Wed, 15 Feb 1995 12:03:18 GMT
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Fergus Gallagher <f.Gallagher@nerc.ac.uk> wrote:

> Off the top of my head, the following might work :-0
>
> s = (size(image))(1:3)
> image = reform(image,s(0),s(1)*s(2),/overwrite)
> image = rotate(image,2)
> image = reform(image,s(0),s(1),s(2),/overwrite)
>
> *BUT* only for the case where you want to flip the images up-down.
>
> I haven't tried this, so take it with a PINCH of salt......
>
> Fergus Gallagher
> British National Space Centre

On second thoughts, it probably won't - it would if your "bands" were
in the the first index, i.e.,

image(i,*,*)

and then

 s = (size(image))(1:3)
 image = reform(image,s(0)*s(1),s(2),/overwrite)
 image = rotate(image,7)
 image = reform(image,s(0),s(1),s(2),/overwrite)

should work.

Fergus

P.S. Bill Thompson (NASA) recently posted his REARRANGE.PRO (with fast
CALL_EXTERNAL call) in this newsgroup: you might find this useful to
rearrange (!) your image into the above format.

See thread "Inner product of multi-dimensional arrays"