
Subject: Re: rotating 3d array: help for the braindead!
Posted by [Fergus Gallagher](#) on Wed, 15 Feb 1995 11:48:28 GMT
[View Forum Message](#) <> [Reply to Message](#)

pjclinch@dux.dundee.ac.uk (Pete Clinch) wrote:

>
> I have a stack of MRI images that make up a 3d array, and I want to turn
> all the constituent images over.
> At the moment, I've got a FOR loop that goes through using
>
> ROTATE(image(*,*,i),2)
>
> on each one, but I'm convinced there must be a better way to do it in a
> oner without the FOR loop to slow things down.

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
