
Subject: Re: Tool for converting FK4/FK5
Posted by [wlandsman](#) on Thu, 05 May 2016 14:46:10 GMT
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Have you tried vector input for jprecess.pro

<http://idlastro.gsfc.nasa.gov/ftp/pro/astro/jprecess.pro>

It seems to work for me.

```
a = [3.24,23.44,31.66]
dec = [-0.23,22.44,34.44]
mu_radec = [ [3.2,2.3],[0,0.1],[-2.3,1.2]]
jprecess,ra,dec,ra2,dec2,mu_radec=mu_radec
```

Also, you can always just loop over calls to any procedure that only processes scalars.

--Wayne

On Thursday, May 5, 2016 at 9:48:42 AM UTC-4, miguelfigue...@gmail.com wrote:

```
> Hi,
>
> I am currently working with two fits files but with different coordinates system.
> One is the FK4 (B1950) and the other is FK5 (J2000) and I would like to know if there is a
> procedure in IDL to convert from one to another.
> I have found the (j/b)precess but it works for only for one position and hprecess converts only
> the equinox in the FK5 system.
>
> I prefer IDL but if you know something in Python, it would be great.
>
> Thanks for your help.
>
> Miguel
```
