
Subject: Re: coordinate coversion systems

Posted by [David Fanning](#) on Thu, 08 Oct 2009 13:52:25 GMT

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a writes:

- > Does anyone have some idl code for converting from UK eastings and
- > northings to latitude and longitude?
- >
- > I'm hoping to avoid going back to the original equations and typing
- > and debugging them in idl

The Map_Proj_* routines are built specifically for this purpose.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: coordinate coversion systems

Posted by [oxfordenergyservices](#) on Thu, 08 Oct 2009 14:00:05 GMT

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On 8 Oct, 14:52, David Fanning <n...@dfanning.com> wrote:

- > a writes:
- >> Does anyone have some idl code for converting from UK eastings and
- >> northings to latitude and longitude?
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- > David
- >
- > --
- > David Fanning, Ph.D.

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- > Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
- > Sepore ma de ni thui. ("Perhaps thou speakest truth.")

I can see how they get from lat/lon to e/n but not back again. I'll keep having a look though, thanks!

Subject: Re: coordinate coversion systems
Posted by [David Fanning](#) on Thu, 08 Oct 2009 14:10:29 GMT
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a writes:

- > I can see how they get from lat/lon to e/n but not back again. I'll
- > keep having a look though, thanks!

MAP_PROJ_INVERSE

Cheers,

David

--

David Fanning, Ph.D.
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Subject: Re: coordinate coversion systems
Posted by [oxfordenergyservices](#) on Thu, 08 Oct 2009 14:16:39 GMT
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On 8 Oct, 15:10, David Fanning <n...@dfanning.com> wrote:

- > a writes:
- >> I can see how they get from lat/lon to e/n but not back again. I'll
- >> keep having a look though, thanks!
- >
- > MAP_PROJ_INVERSE
- >
- > Cheers,
- >
- > David
- >
- > --

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thanks!

and why does

```
IDL> x=[0.0,0.0]
IDL> b=map_proj_inverse(x)
% MAP_PROJ_INVERSE: Value of Projection index is out of allowed range.
% Execution halted at: N          81 /watt0/LCR/rlyber/metar/
n3.pro
%          $MAIN$
```

surely the map_structure is default and i'm asking the lat long on 0
eatings and 0 northings, ie the origin?

Subject: Re: coordinate coversion systems

Posted by [oxfordenergyservices](#) on Thu, 08 Oct 2009 14:36:53 GMT

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On 8 Oct, 15:10, David Fanning <n...@dfanning.com> wrote:

> a writes:
>> I can see how they get from lat/lon to e/n but not back again. I'll
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> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

ok, thanks, got it working now
