
Subject: Re: Formatting strings to coordinates
Posted by [Andy Loughe](#) on Fri, 19 May 2000 07:00:00 GMT
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Simon de Vet wrote:

>
> The data analysis adventure continues... I have read in the data, and am
> now working on the various plots.
>
> I have a string array, taken from the text file, of coordinates.
> However, they are in the form "43.92i½S", and "176.50i½W".
>
> I would like to be able to take this array of strings and convert it to
> a numerical array or real latitudes and longitudes, from -90 to 90 and 0
> to 360 so that they can eventually be plotted onto a globe.
>
> I've figured out how to use strings to generate numerical values (ie:
> 'Jan' -> 1, 'Feb' -> 2, etc..), but not how to handle parts of strings
> to modify the other parts.
>
> Any suggestions? This group has been a major help so far!
>
> Thanks,
>
> Simon

For example...

```
lat1 = ['43.92i½S', '43.92i½N', '43.92i½S', '43.92i½N']  
lat2 = (-2 * (strpos(lat1, 'S') ge 0) + 1) * float(lat1)
```

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