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Subject: Re: idl array operations

Posted by [Craig Markwardt](#) on Wed, 01 Mar 2006 06:50:51 GMT

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mmeron@cars3.uchicago.edu writes:

> In article <1141168957.087822.106350@i39g2000cwa.googlegroups.com>,  
"alex922@gmail.com" <alex922@gmail.com> writes:

>> Hi,

>>

>> I'm pretty new to IDL and someone told me to avoid loops.

>>

>> I have the following problem. I have an array of elements whose values

>> range from 0 to 360, and I have to subtract a number if the value is

>> greater than 180.

...

> Taking your array as arr and the nuber to be subtracted as x, the line

> would be

> arr = arr - x\*(arr gt 180)

Or, if you are trying to map longitude in the 0 to 360 range to the  
-180 to 180 range, I often would use this:

LONGITUDE = ((LONGITUDE + 180) MOD 360) - 180

Craig

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response  
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