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Subject: Re: idl array operations

Posted by [Paul Van Delst\[1\]](#) on Tue, 28 Feb 2006 23:26:07 GMT

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alex922@gmail.com wrote:

> 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.

>

> My initial reaction is to create a loop and use condition statements to  
> perform the calculations.

>

> Is there a 'one liner' array operation which would allow me to do this  
> without using loops?

Dunno about a one-liner:

```
loc=where(data gt 180.0,count)
```

```
if (count gt 0) then data[loc]=data[loc]-number
```

There's probably a solution via HISTOGRAM, too. :o)

paulv

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