Subject: Re: Shading a band of ranges in pvwave
Posted by thompson on Sun, 28 May 1995 07:00:00 GMT
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John Kennedy <johnk> writes:

> Hi,

> Before I spend three or four days trying to work out the following in pvwave, I
> thought I would ask if anybody out there has already done this and could they
> tell me how to please.

> I would like to produce a 2-D graph where one if the plots can vary between
> certain y-ranges and I would like to show this by shading the relevant areas.
> An example of the data is as follows:

> X-Range Low Y Value High Y Value
> 64 7   10
> 128 8   12
> 192 9   15

> and so on....

> If you know of a method to do this could you possibly email me the answer (as
> well as posting it) as I am in a bit of a hurry to get this done,

The following should work. Suppose that you have the 1-D arrays X,
YLOW, and YHIGH, which all have the same number of elements. Then, you should
be able to use the commands

```
XX = [X, REVERSE(X)]
YY = [YLOW, REVERSE(YHIGH)]
PLOT, XX, YY, /NODATA
POLYFILL, XX, YY
```

Good luck,

Bill Thompson