Subject: Re: plot legends - pvwave
Posted by rivers on Tue, 22 Aug 1995 07:00:00 GMT
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In article <41al9g$4pb@hacgate2.hac.com>, rep2857@sbsun0010.sbrc.hac.com (Mike Schienle)
writes:
> In article <414qlu$ts7@seralph9.essex.ac.uk>,
> Pearson J E <jepear@essex.ac.uk> wrote:
>> My query concerns the addition of legends on plots created by pvwave.
>>
>> As I understand it, the positioning of a legend can only be accomplished by
>> using the XYOUTS function where x and y represent coordinates corresponding to
>> the x and y axis of the plot. In my sistuation I have a 2D graph whose axis can
>> vary significantly depending on choices made in the program. Therefore by using
>> the XYOUTS function my words often can end up on top of each other or not even
>> on the plot itself.
>>
>> Is there anyway of making the positioning of the legend independent of the x
>> and
>> y axis of the plot ??
>
> Cc'd to jepear@essex.ac.uk
>
> Sure. XYOUTS can position data anywhere (even off the drawing area as I
> have inadvertently found out on several occasions). The key is to use
> device coordinates rather than plot coordinates for positioning. The
> !X.S and !Y.S variables return the normalized coordinates of the
> scaling factors used in positioning the plot frame. The upper right
> coordinate of the plot frame can be determined with the following
> commands:
>
> xoff = !D.X_VSize * (!X.S(0) + !X.S(1) * !X.CRange(1))
> yoff = !D.Y_VSize * (!Y.S(0) + !Y.S(1) * !Y.CRange(1))
> xyouts, xoff, yoff, /device, 'Legend'
>

You can also use normalized coordinates with XYOUTS
xyouts, .8, .8, /normal, 'Legend'

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