Subject: Re: Skipping plot discontinuities.
Posted by zawodny on Mon, 05 Oct 1992 11:20:22 GMT
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Awhile back, PLOTS had an extra argument (pen, I think) which was a vector of one's and zero's. When an entry was a zero the PLOTS command would "lift the pen" until a non-zero value was encountered. This highly desirable feature is now gone! I went through a program of mine which does what you are looking for and extracted some code which does the segment isolation and plotting. It also does a POLYFILL so it probably is more complicated than need be but, you can hack it down to the bare necessities.

```
; for the purposes here plot segments are separated by points where t(i) = 0

; Locate segments
 t  = [0.,timave,0.]
; find the segment starting end
 m  = where(t eq 0.)
 n  = where((shift(m,-1)-m) gt 1,nms)
 ms = m(n)+1
; find the segment finishing end
 m  = where(t ne 0.)
 n  = where((shift(m,-1)-m) gt 1,nme)
 me = m(n)
; for all segments
 for i=0,nme-1 do begin
; the reverse here is for polyfill and drawing a "box" around the hatched area
  x = [ t(ms(i):me(i)-1  ), reverse(t(ms(i):me(i)-1  ))]
  y = [hi(ms(i):me(i)-1,k),reverse(lo(ms(i):me(i)-1,k))]
  oplot,x,y
  polyfill,x,y,orient=45.
 endfor
```

It may not be pretty but it does work!

Good Luck

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