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))]v.x.tolgo polyfill,x,y,orient=45. endfor It may not be pretty but it does work! Good Luck Joseph M. Zawodny (KO4LW) NASA Langley Research Center zawodny@arbd0.larc.nasa.gov MS-475, Hampton VA, 23681