
Subject: Re: Polar plots with aspect ratio =1
Posted by [afl](#) on Fri, 12 May 1995 07:00:00 GMT
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In article <3ovpas\$dll@ra.nrl.navy.mil>, nicholas@uap.nrl.navy.mil (Andy Nicholas) writes:

|> Any know of a simple way to make the aspect ratio of a polar plot 1. I
|> can do it using !p.position, just wondering if there is an easier way.
|>

From one Andrew to another, here are some suggestions...

- 1) If you are talking about polar as in polar stereographic,
try using the /isometric keyword to map_set.
- 2) If not using map_set, I have used this code provided to the
group by Dr. Kenneth Bowman

PRO SET_ASPECT, aspect, MARGIN = margin

; This program sets the plot position, !P.POSITION
; to ensure the desired aspect ratio for the final
; plot with a margin on each side.

;Find the aspect ratio of the current window
daspect = FLOAT(!D.Y_SIZE)/FLOAT(!D.X_SIZE)
IF NOT KEYWORD_SET(margin) THEN margin = 0.05

IF(aspect LE daspect) THEN BEGIN
 x0 = margin
 y0 = 0.50 - (0.5 - margin)*(aspect/daspect)
 x1 = 1.0 - margin
 y1 = 0.50 + (0.5 - margin)*(aspect/daspect)
ENDIF ELSE BEGIN
 x0 = 0.50 - (0.5 - margin)*(daspect/aspect)
 y0 = margin
 x1 = 0.50 + (0.5 - margin)*(daspect/aspect)
 y1 = 1.0 - margin
ENDELSE
!P.POSITION = [x0, y0, x1, y1]

RETURN
END

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