## Subject: forcing equal aspect ratio for PLOT Posted by Michael Hearne on Thu, 07 Aug 1997 07:00:00 GMT

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I am having some trouble forcing plot to maintain an equal aspect ratio. For example, if you create a series of points that define a square: square(0,\*) = [0.0,1,1,0]square(1,\*) = [0,1,1,0,0]plot, square(0,\*),square(1,\*)

you will get a square, with 90 degree vertices.

Now rotate this matrix (I believe this is the correct method): theta = -!pi/4; 45 degrees rot(0,\*) = [cos(theta), -sin(theta)]rot(1,\*) = [sin(theta), cos(theta)]newsquare = square##rot : matrix multiplication plot, newsquare(0,\*),newsquare(1,\*)

I get a rotated non\_square that does \_not\_ have 90 degree vertices because, I think, the x axis and y axis are not equal in length. I measured them on my screen with a ruler. Is there some way to force the aspect ratio for PLOT to be 1? Setting xstyle and ystyle equal to 1 does not seem to work.

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Help!
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