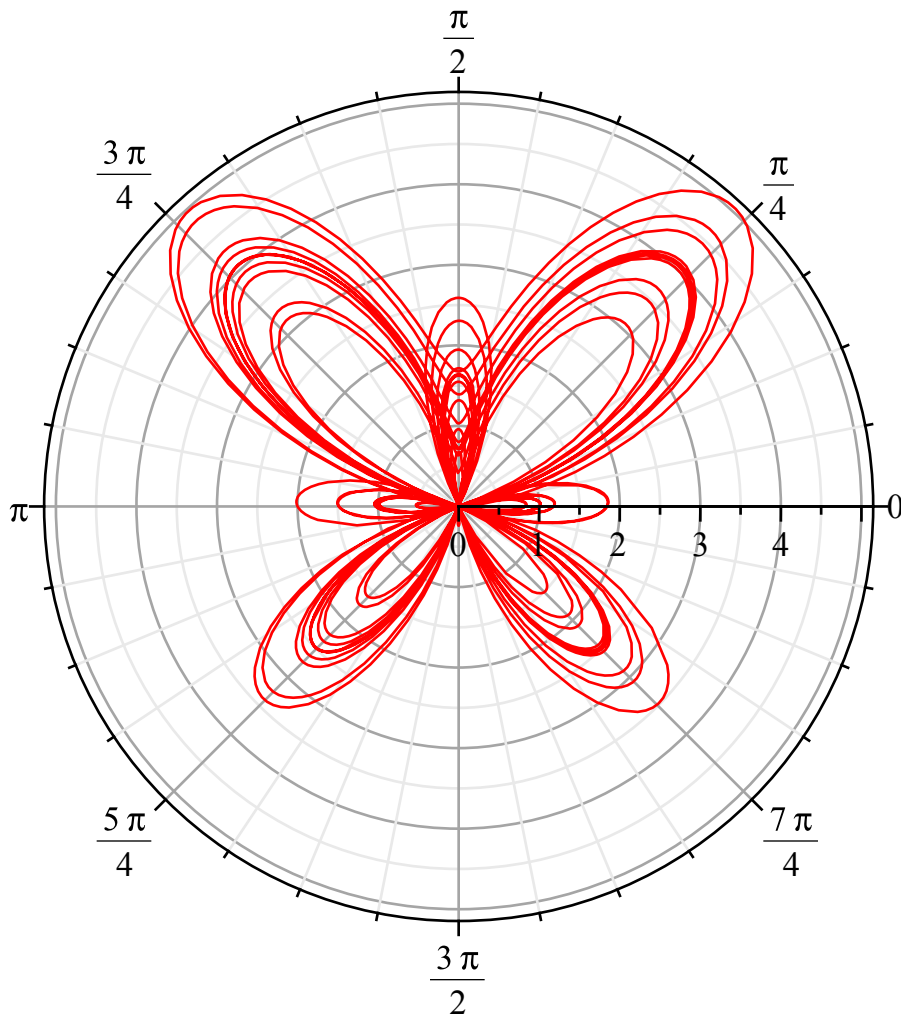


*with(plots)*

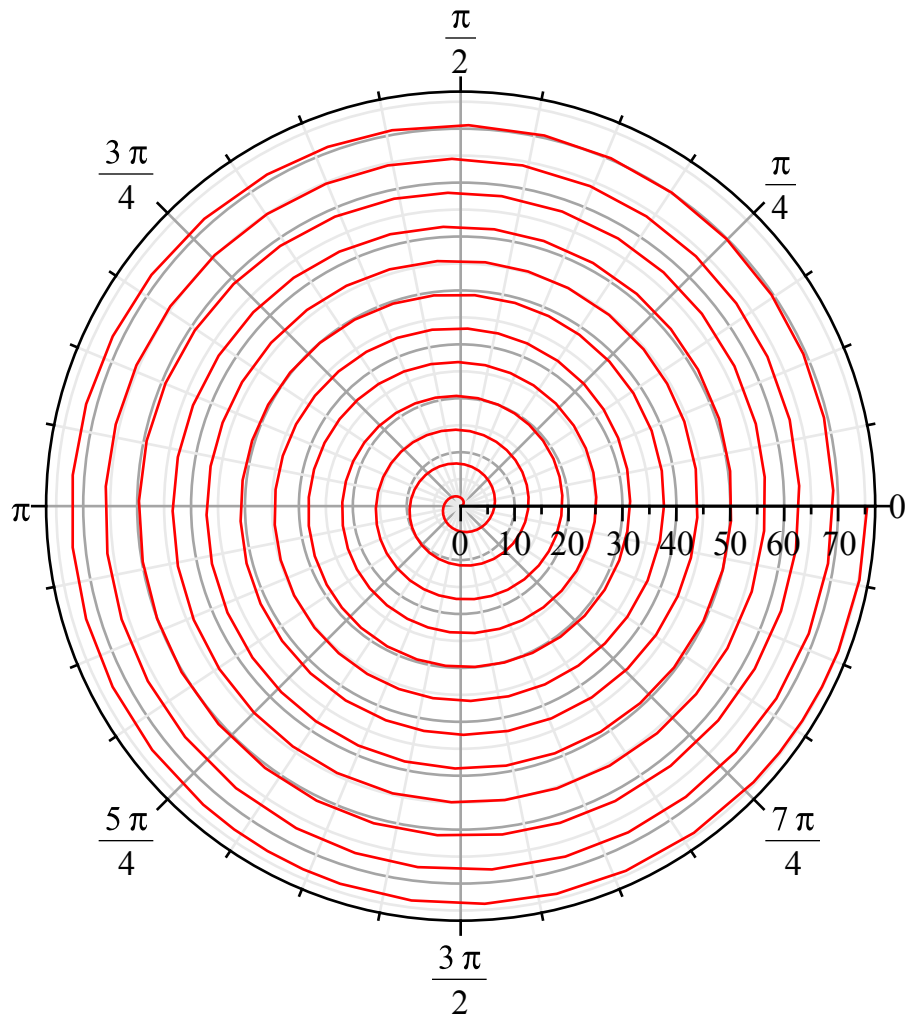
[*animate, animate3d, animatecurve, arrow, changecoords, complexplot, complexplot3d, conformal, conformal3d, contourplot, contourplot3d, coordplot, coordplot3d, densityplot, display, dualaxisplot, fieldplot, fieldplot3d, gradplot, gradplot3d, implicitplot, implicitplot3d, inequal, interactive, interactiveparams, intersectplot, listcontplot, listcontplot3d, listdensityplot, listplot, listplot3d, loglogplot, logplot, matrixplot, multiple, odeplot, pareto, plotcompare, pointplot, pointplot3d, polarplot, polygonplot, polygonplot3d, polyhedra\_supported, polyhedraplot, rootlocus, semilogplot, setcolors, setoptions, setoptions3d, spacecurve, sparsematrixplot, surfdata, textplot, textplot3d, tubeplot*]

**(1)**

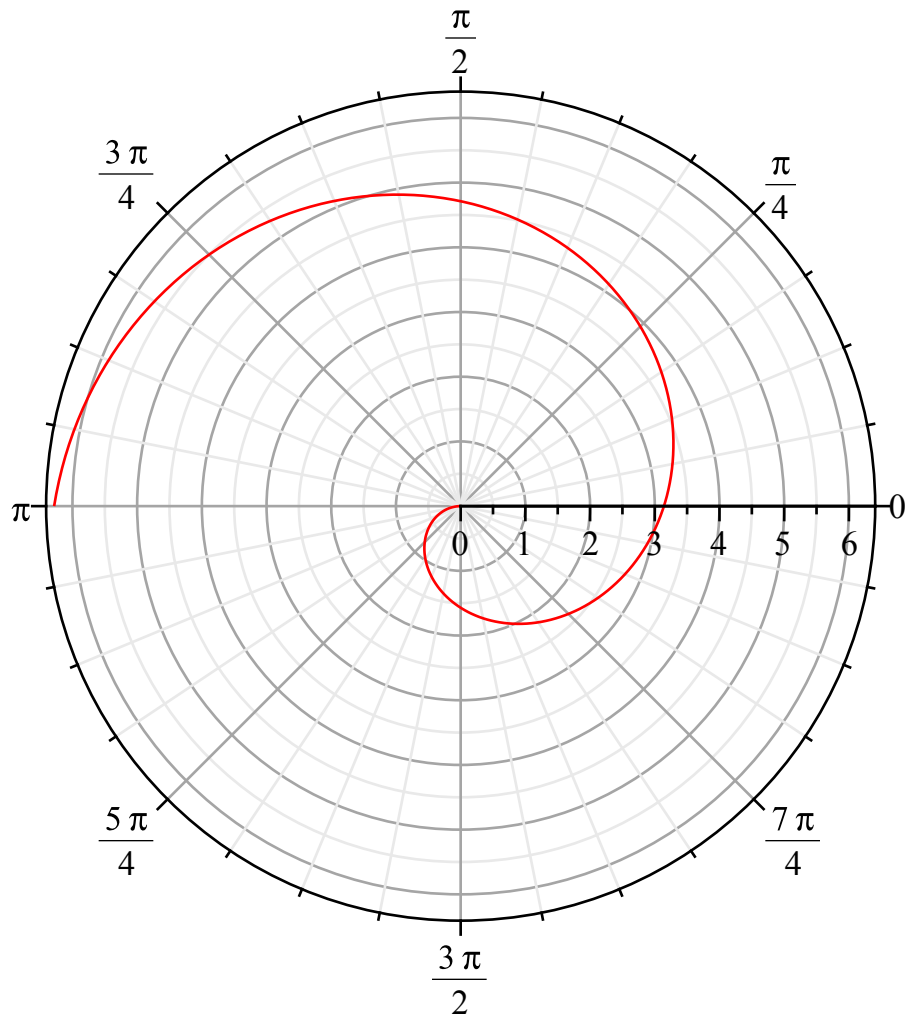
*polarplot*( $\exp(\sin(\theta)) - 2 \cdot \cos(4 \cdot \theta) + \left(\sin\left(\frac{\theta}{12}\right)\right)^5$ ,  $\theta = 0 \dots 24 \cdot \text{Pi}$ )



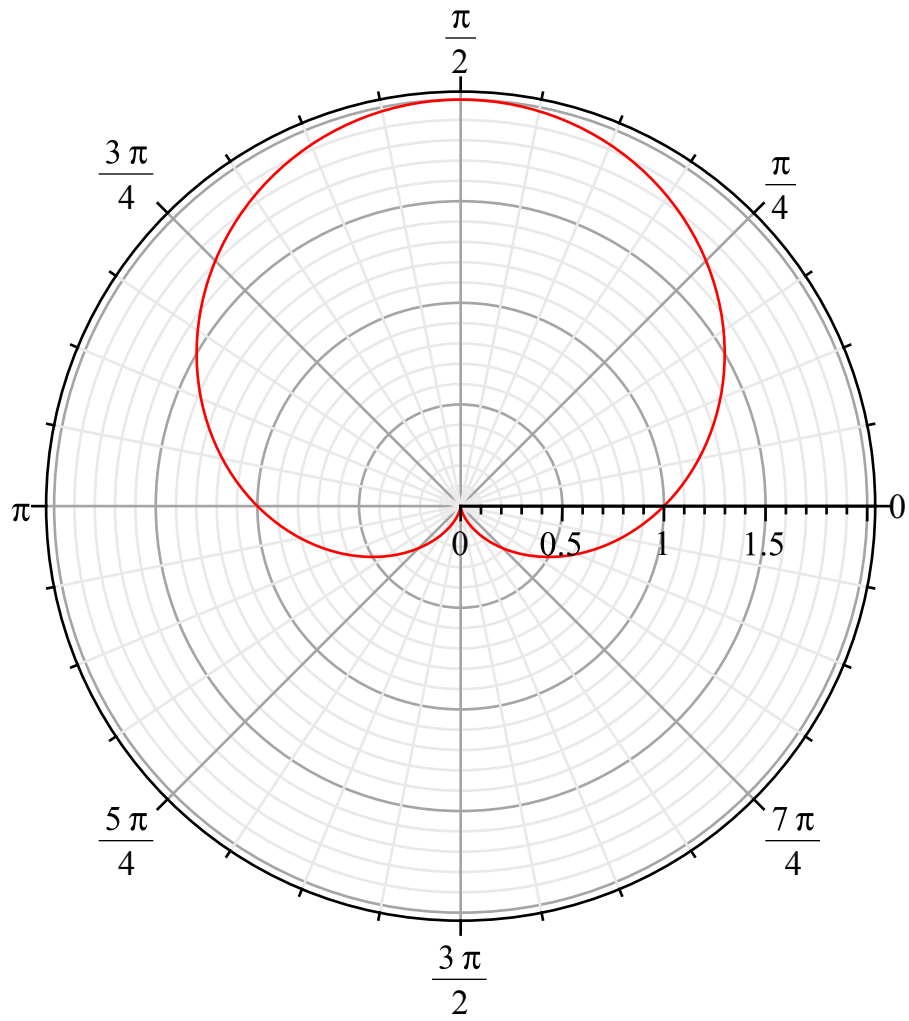
*polarplot*( $\theta$ ,  $\theta = 0 \dots 24 \cdot \text{Pi}$ )



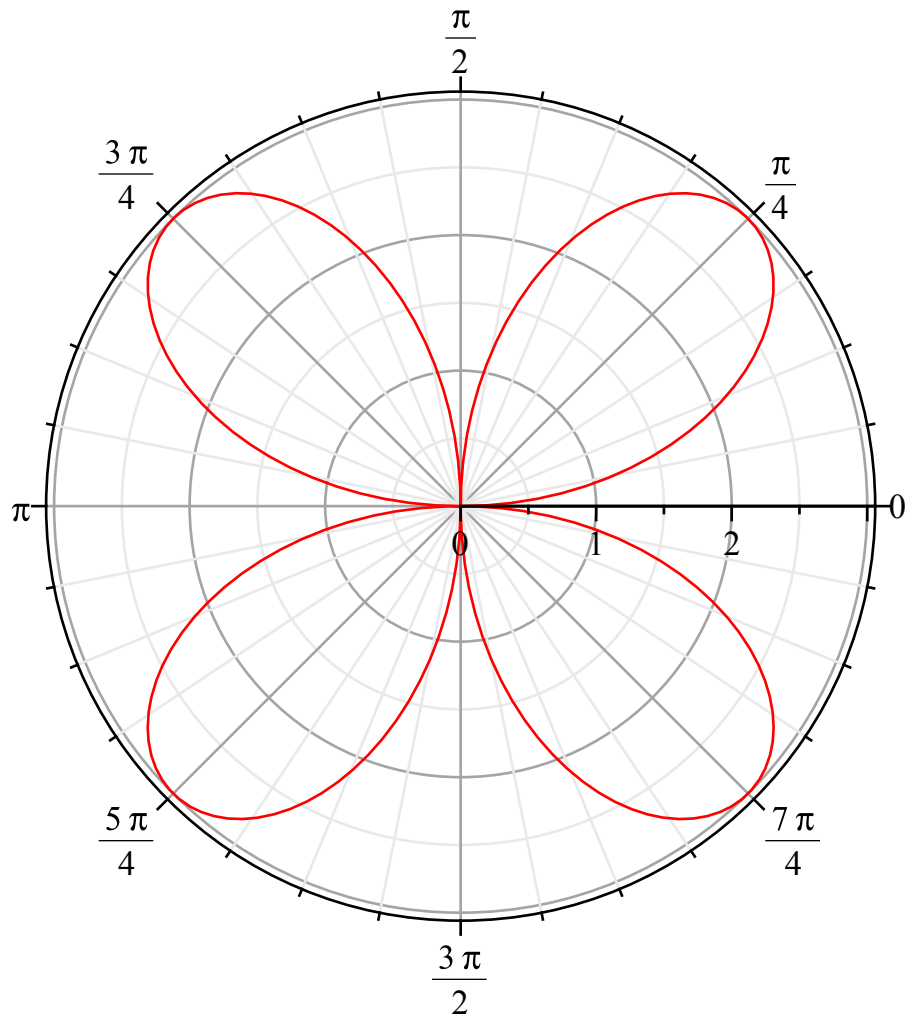
*polarplot*( -theta, theta = 0 ..2·Pi)



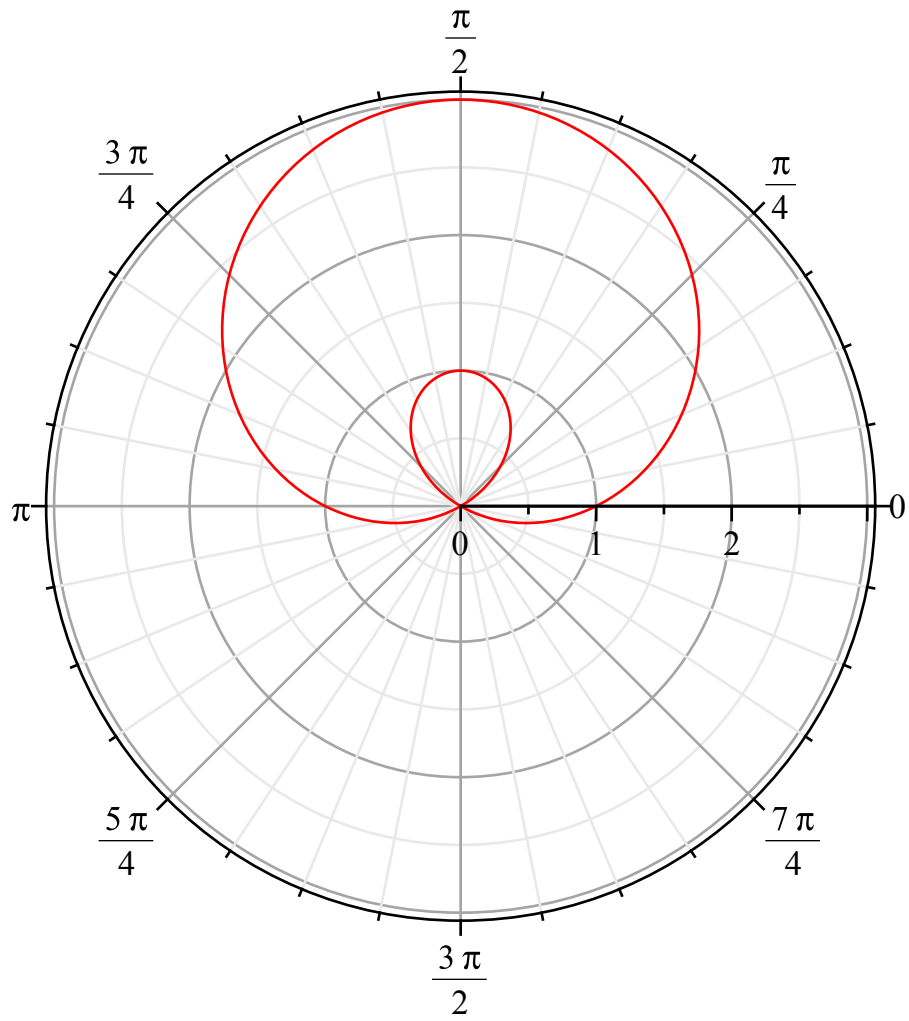
`polarplot(1 + sin( theta), theta = 0 ..2·Pi)`



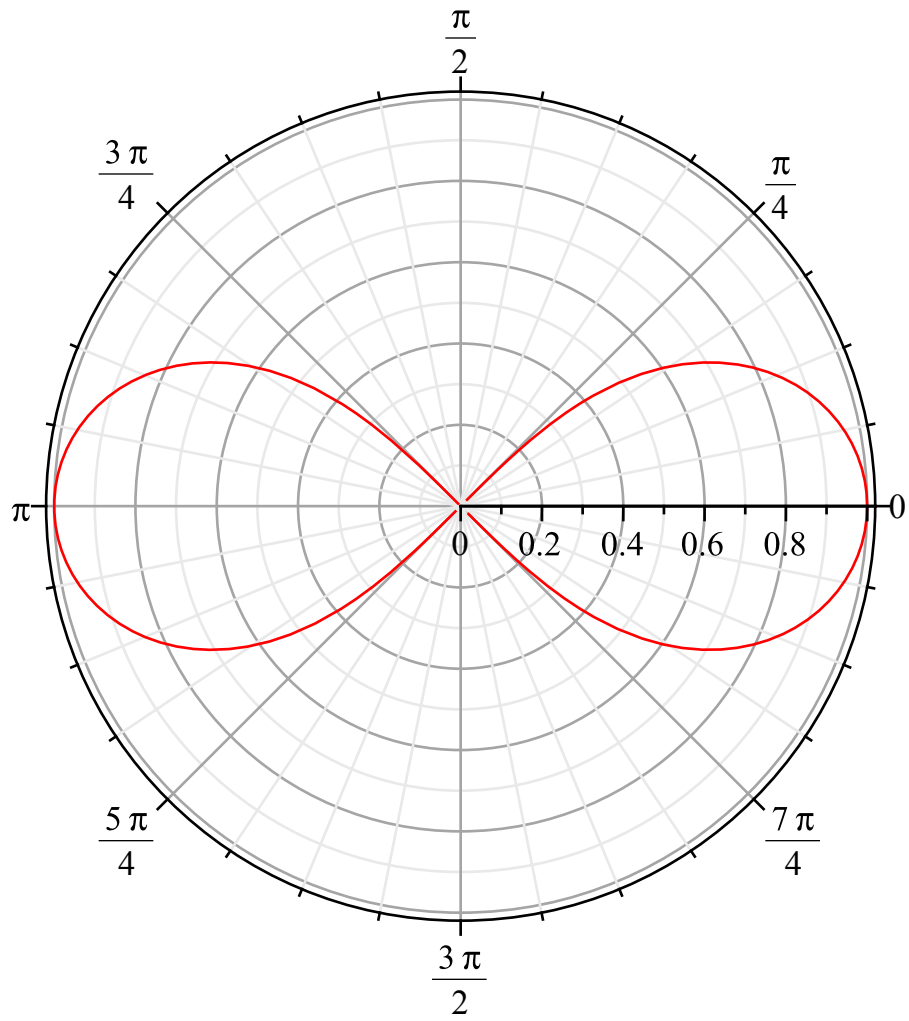
`polarplot(3 * sin(2 * theta), theta = 0 .. 2 * Pi)`



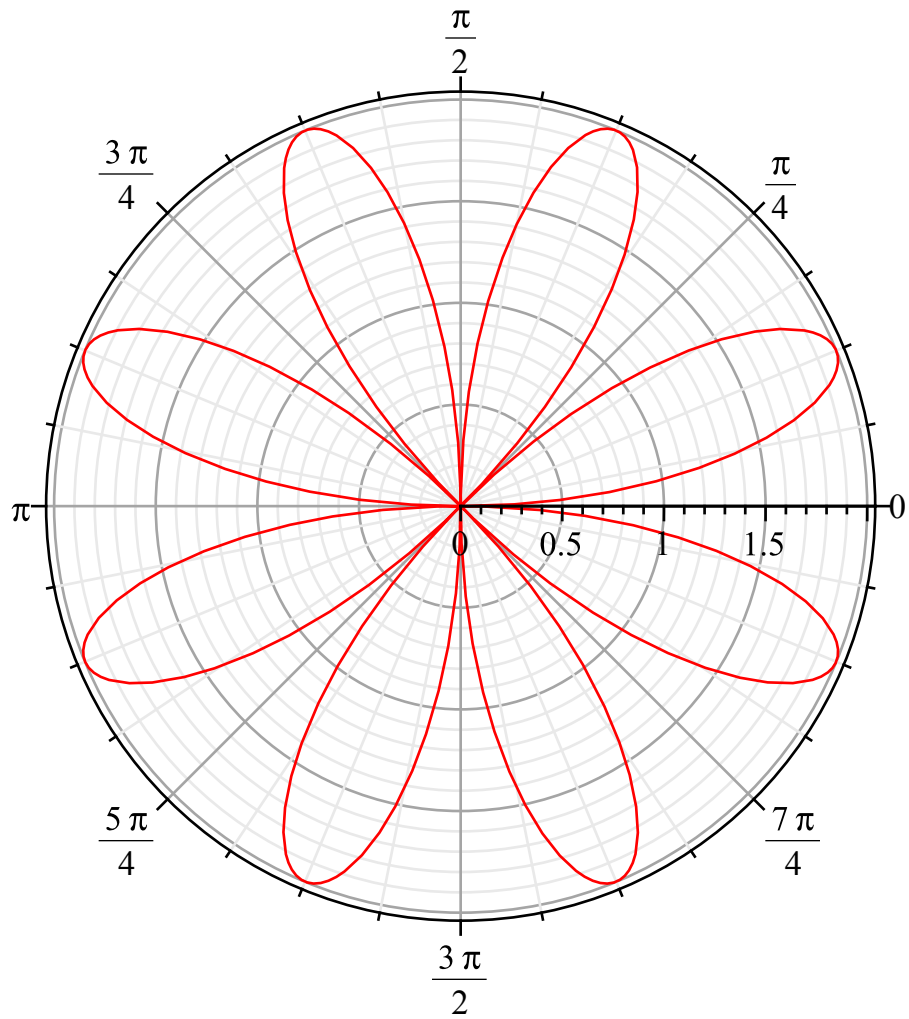
`polarplot(1 + 2·sin( theta), theta = 0 ..2·Pi)`



`polarplot(sqrt(cos(2· theta)), theta = 0 ..2·Pi)`



`polarplot(2 * sin(4 * theta), theta = 0 .. 2 * Pi)`

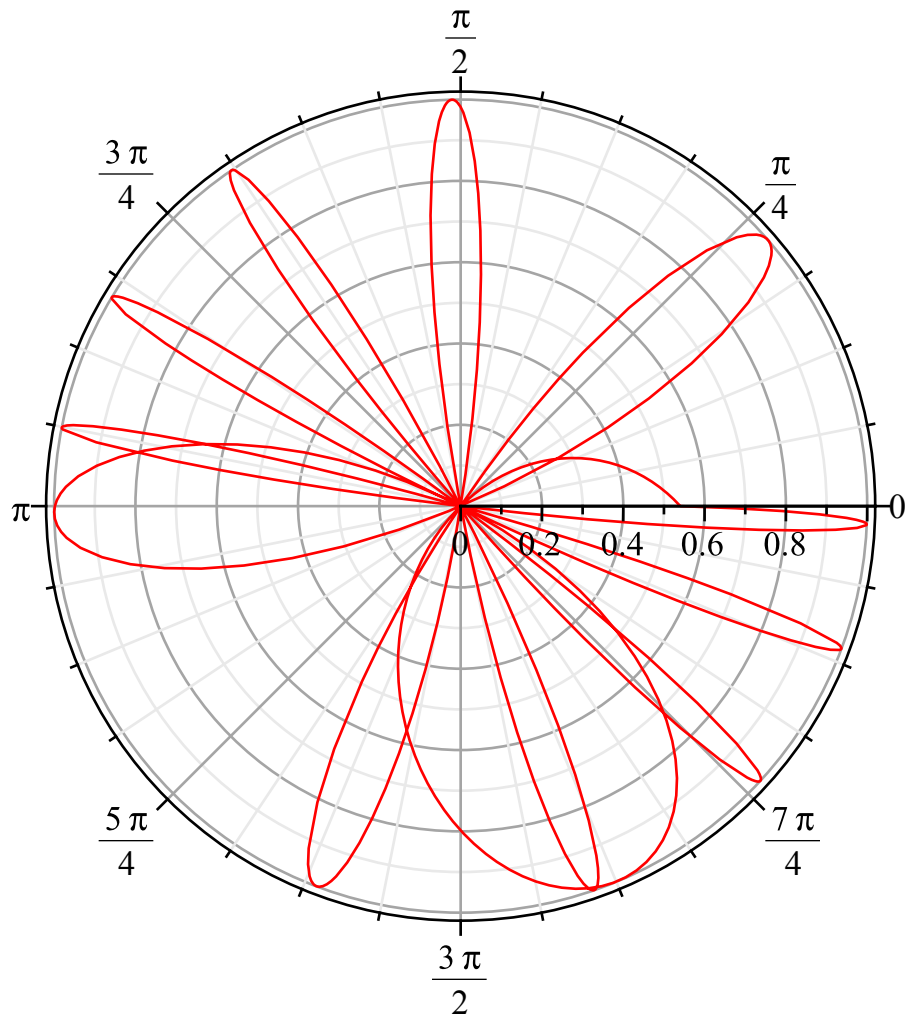


$$a := (1 + 12 \cdot \text{Pi})^{\frac{1}{2 \cdot \text{Pi}}}$$

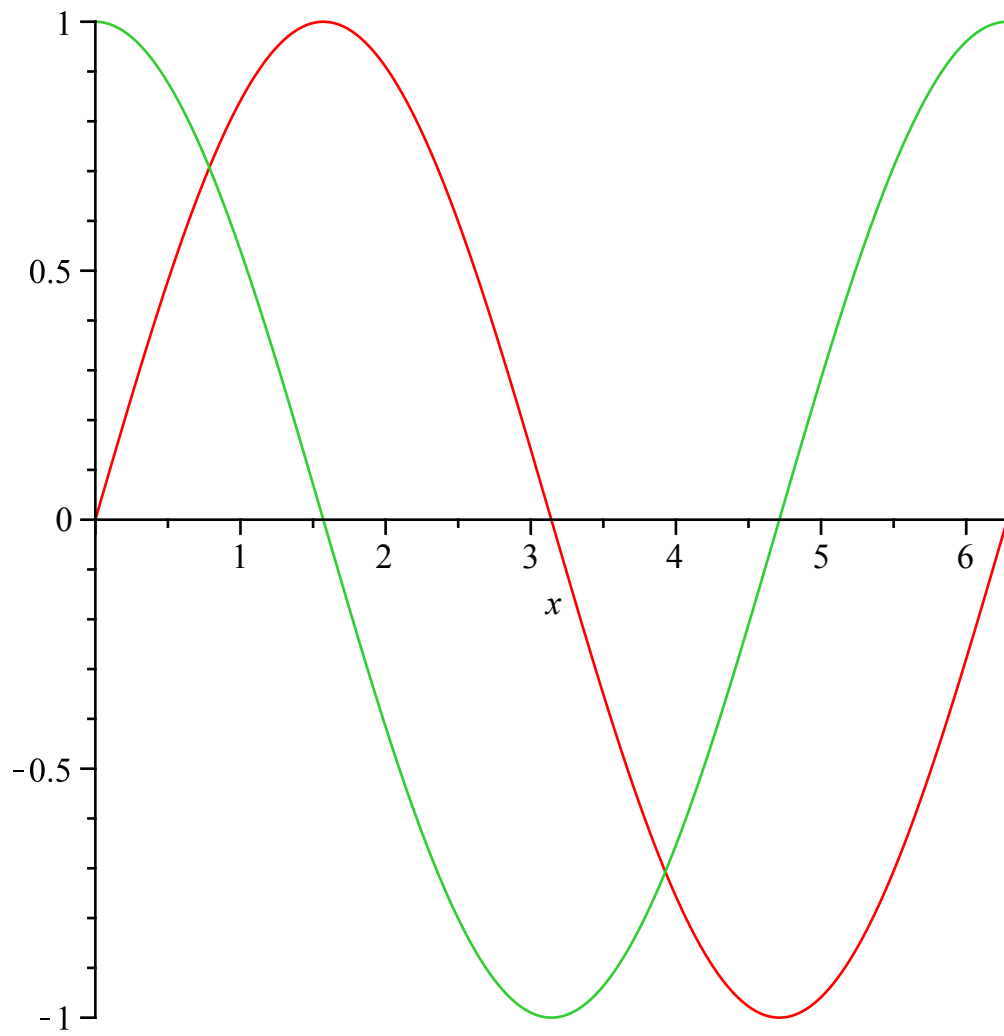
$$(1 + 12 \pi)^{\frac{1}{2\pi}}$$

(2)

`polarplot(cos(atheta), theta = 0.. 2 · Pi)`



`plot([sin(x), cos(x)], x=0..2·Pi)`



`plot([sin(x), cos(x), x=0..2·Pi])`

