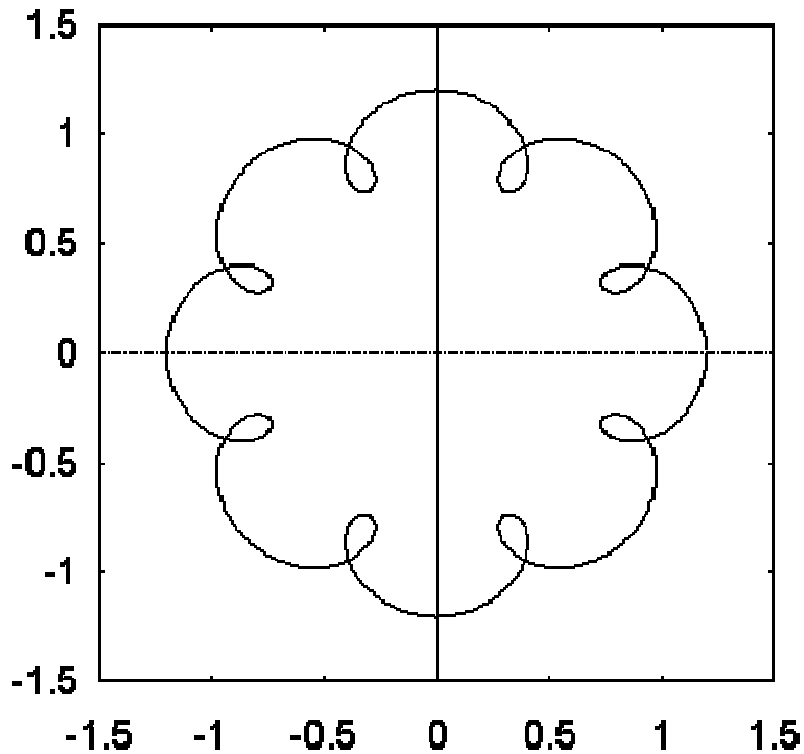


Some illustrations of epicycles

Here is one plot of an epicycle to supplement the examples cited in the online document <http://math.ucr.edu/~res/math153/transcurves.pdf>:



(Source:

<http://www.qub.ac.uk/schools/SchoolofMathematicsandPhysics/amtp/pers/moiseiwitsch/AMM/AMM.htm>)

In this example the smaller circle has radius $a = 1/5$ and the angular velocity r around the smaller circle is 9 times the default angular velocity around the larger circle.

Here are some online links to animated (often interactive) demonstrations of epicycles:

http://www.edumedia-sciences.com/a228_l2-epicycles-theory.html

<http://physics.syr.edu/courses/java/demos/kennett/Epicycle/Epicycle.html>

<http://astro.unl.edu/naap/ssm/animations/ptolemaic.swf>

http://www.sciences.univ-nantes.fr/physique/perso/cortial/bibliohtml/epiclc_ja.html