## Central Forces

Conic Sections

In the Maple worksheet, conics.mw (or Mathematica worksheet, conics.nb), you will examine a three parameter family of curves described by the polar equation

$$
r(\phi)=\frac{\alpha}{1+\epsilon \cos (\phi+\delta)} .
$$

Describe in detail how the shape of the plot depends on the parameters $\alpha, \epsilon$, and $\delta$.

What is one thing that you would like to remember from this activity?
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Revised 2013 by Mary Bridget Kustusch

