

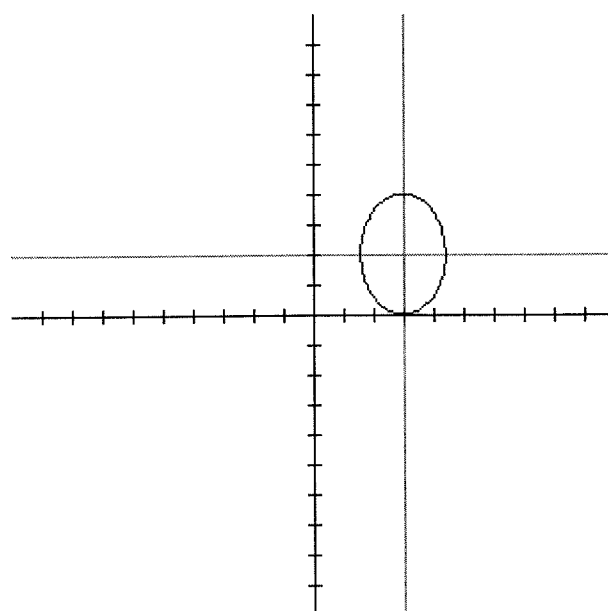
$$4x'^2 + 9y'^2 - 36 = 0$$

$$\frac{x'^2}{9} + \frac{y'^2}{4} = 1$$

Dette er en ellipse.

Conic Sections

[How to use](#) || [Examples](#) || [Other Notes](#)



$$Ax^2 + Bxy + Cy^2 + Dx + Ey + F = 0$$

$$A = 2.0$$

$$B = 0.0$$

$$C = 1.0$$

$$D = -12.0$$

$$E = -4.0$$

$$F = 18.0$$

transforms:

$$h = 3.0$$

$$k = 2.0$$

$$t = 0.0$$

Type: ellipse

Circle

Hyperbola

Parabola

How to use

- Click the "+" and "-" buttons under each value to change that value. Holding a button down causes the action to be repeated.
- The "Circle" button sets the coefficients to represent the equation $x^2 + y^2 - 1 = 0$ (the initial values).
- The "Hyperbola" button sets the coefficients to represent the equation $x^2 - y^2 - 1 = 0$.
- The "Parabola" button sets the coefficients to represent the equation $x^2 - y = 0$.

Examples

- Translated parabola: $x^2 - y = 0$, translated to $(h, k) = (2, 1)$
- Ellipse $x^2 + 4y^2 - 4 = 0$