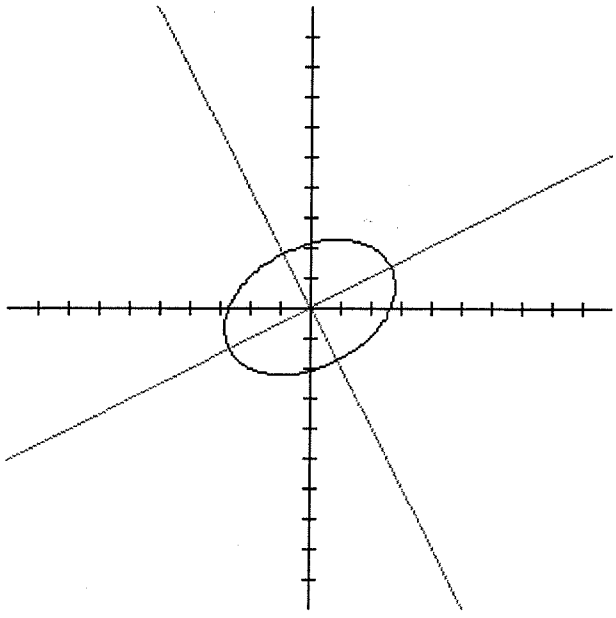
$$4x'^2 + 9y'^2 - 36 = 0$$

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

Dette er en ellipse.

Conic Sections

How to use || Examples || Other Notes



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

A = 5.0 [-] [+] B = -4.0 [-] [+] C = 8.0 [-] [+]

D = 0.0 [-] [+] E = 0.0 [-] [+] F = -36.0 [-] [+]

transforms:

h = 0.0 [-] [+] k = -0.0 [-] [+] t = 27.0 [-] [+]

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 $x^2+4y^2-4=0$