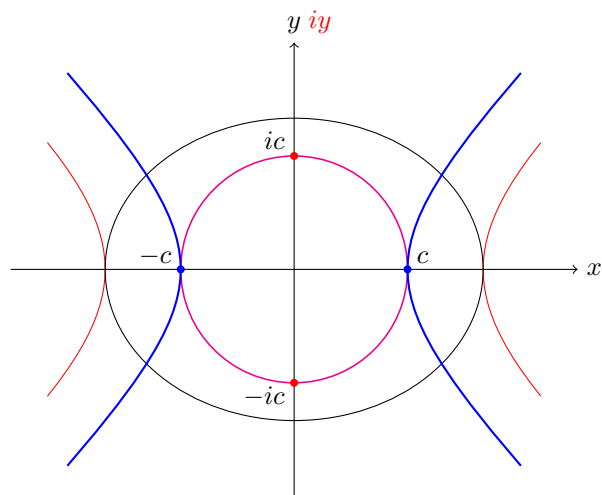




An ellipse together with its axes, its focus hyperbola and the 4 focus points (2 real, 2 imaginary). Drawn in the (x, y) -plane and in the (x, iy) -plane. In the latter, the ellipse equation yields an hyperbola and the focus hyperbola becomes a circle.

$$\frac{x^2}{25} + \frac{y^2}{16} = 1, \quad xy = 0, \quad \frac{x^2 - y^2}{9} = 1$$

$$(a, b, c) = (5, 4, 3)$$