

FIGURE 1. Vector field given by $(\frac{y}{x^2+y^2}, \frac{-x}{x^2+y^2})$

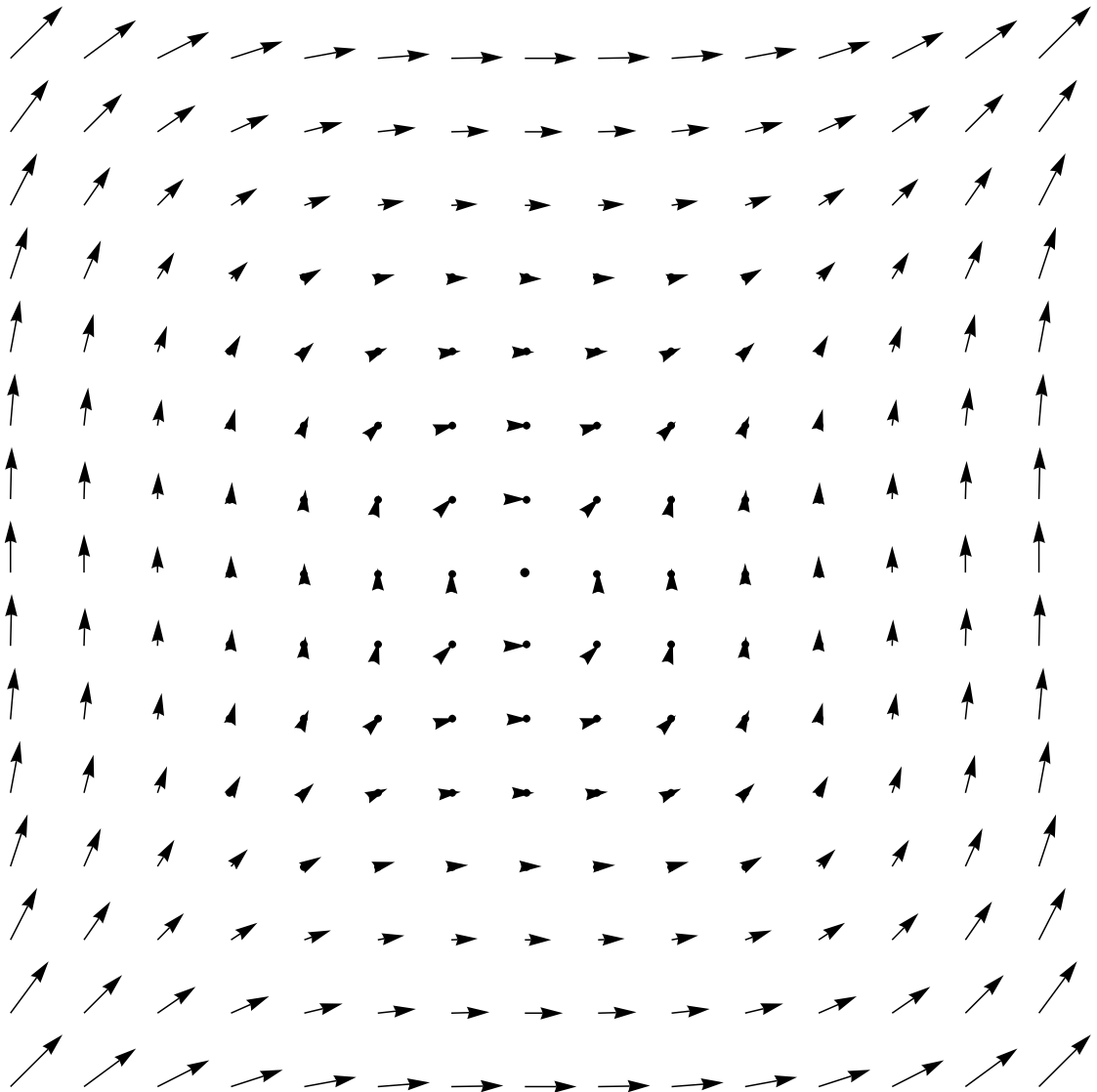


FIGURE 2. Vector field given by $f(x, y) = (y^2, x^2)$