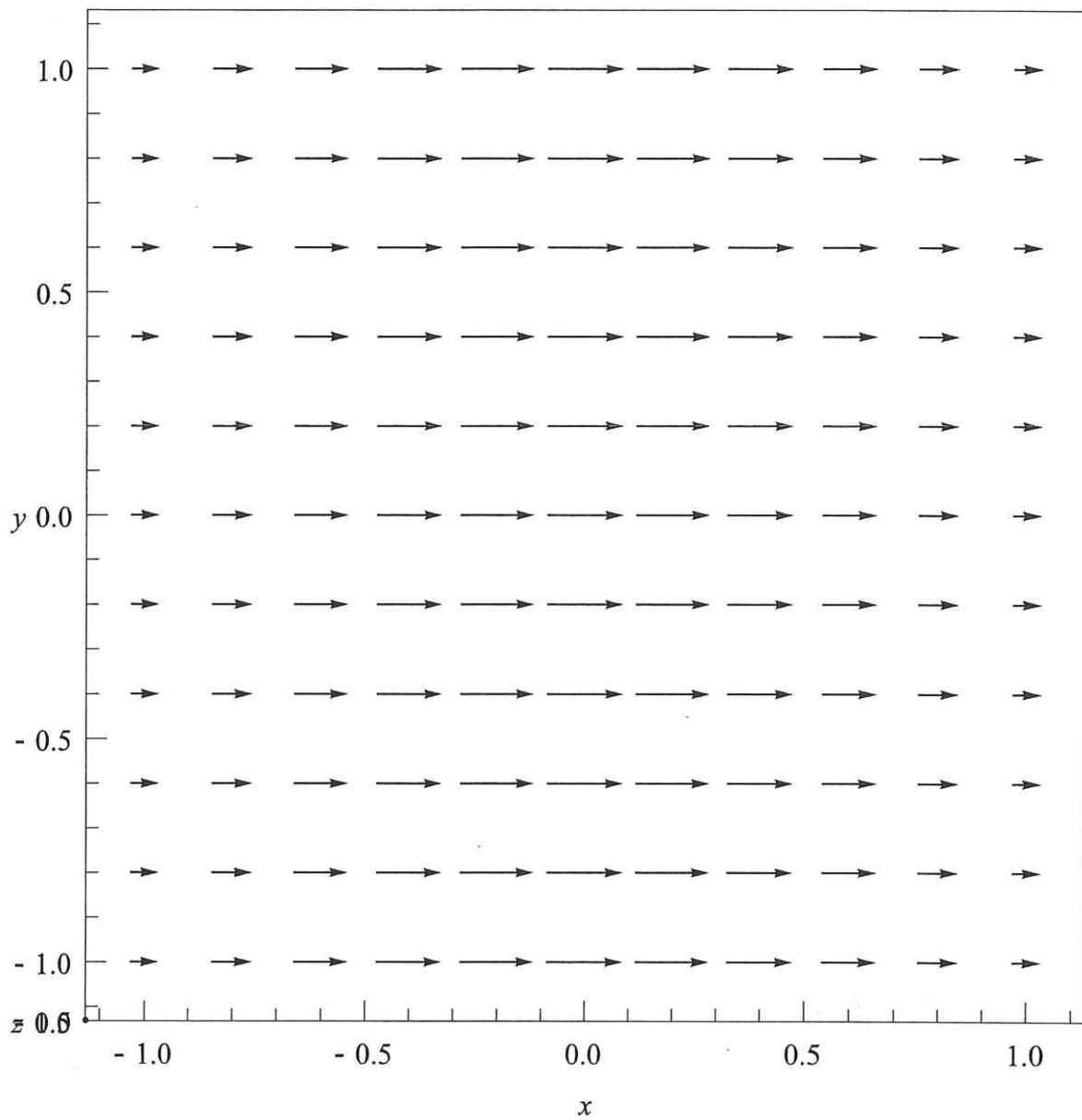
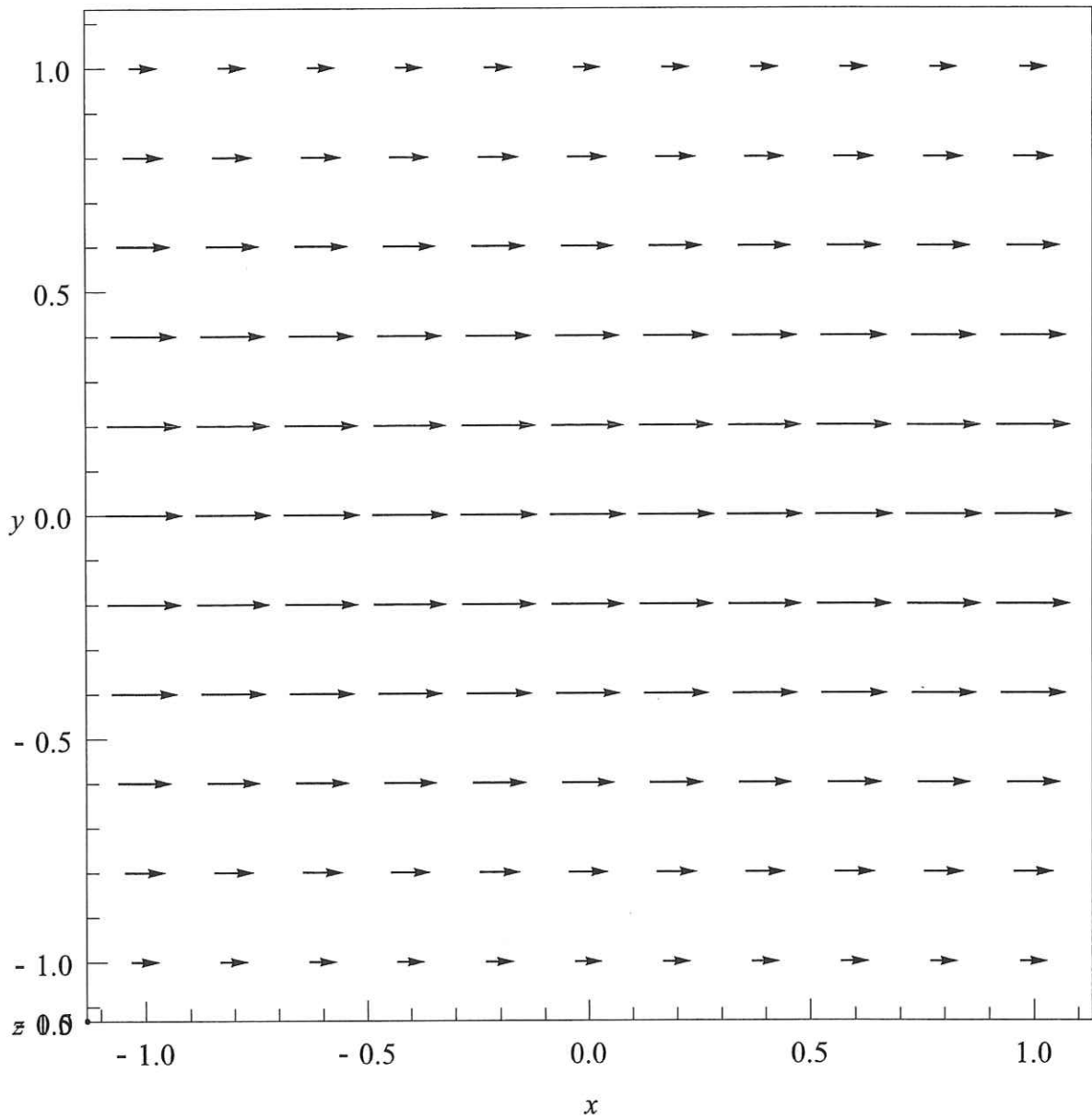


$$\vec{F}_1 = \hat{x}$$



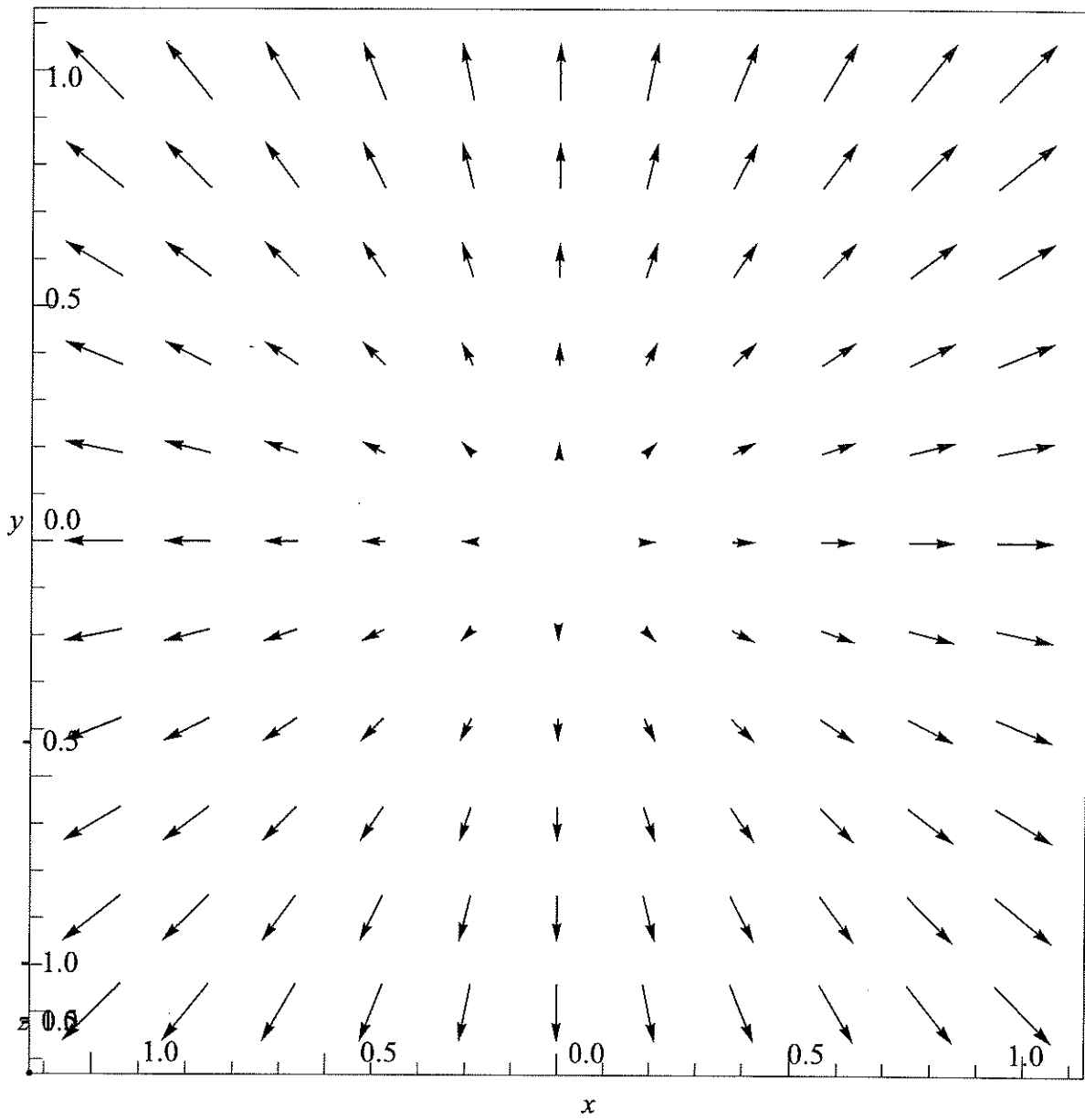
$$\vec{F}_2 = e^{-x^2} \hat{x}$$

better : $\vec{F}_2 = \frac{1}{1+x^2} \hat{x}$

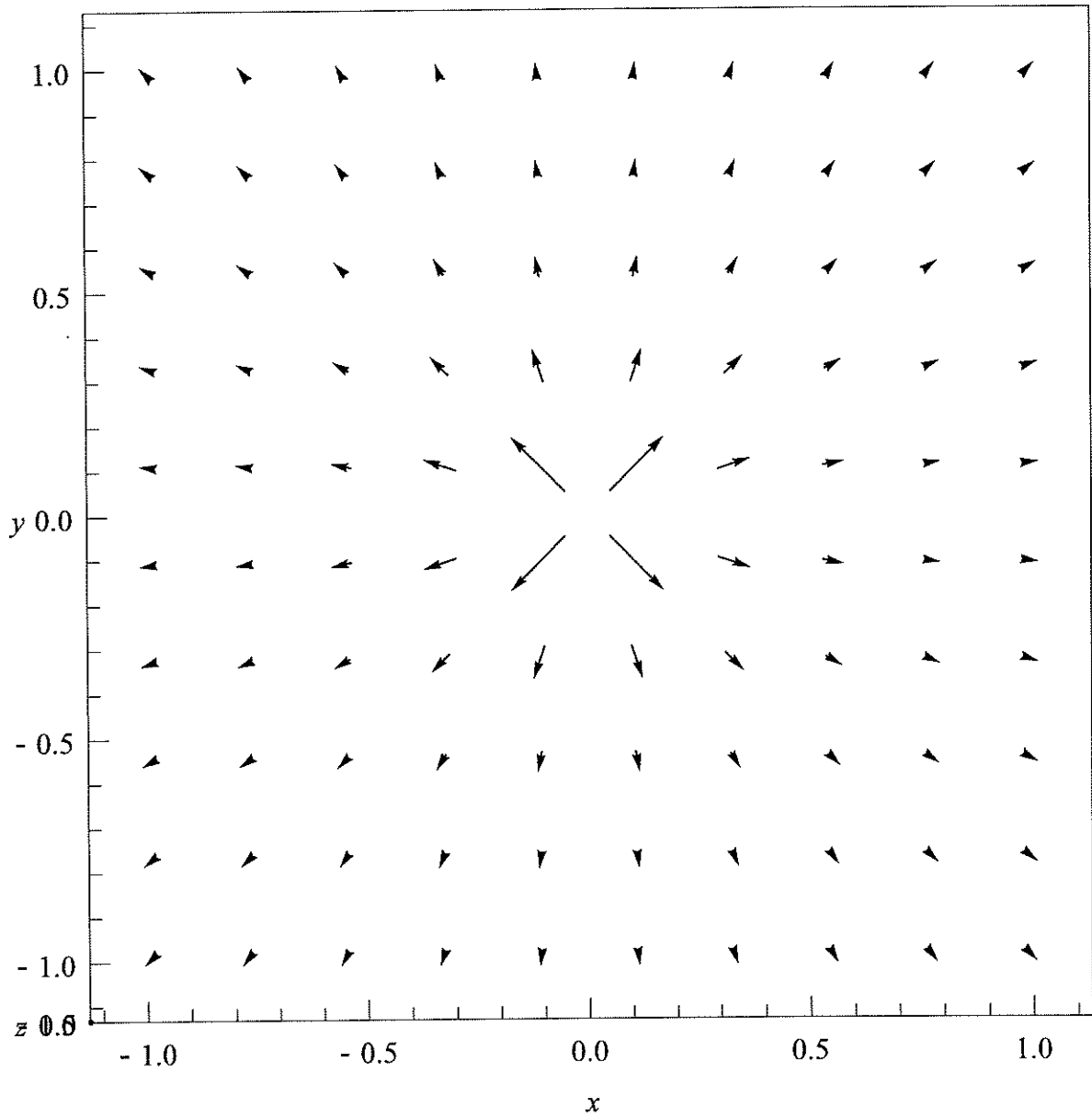


$$\vec{F}_3 = e^{-y^2} \hat{x}$$

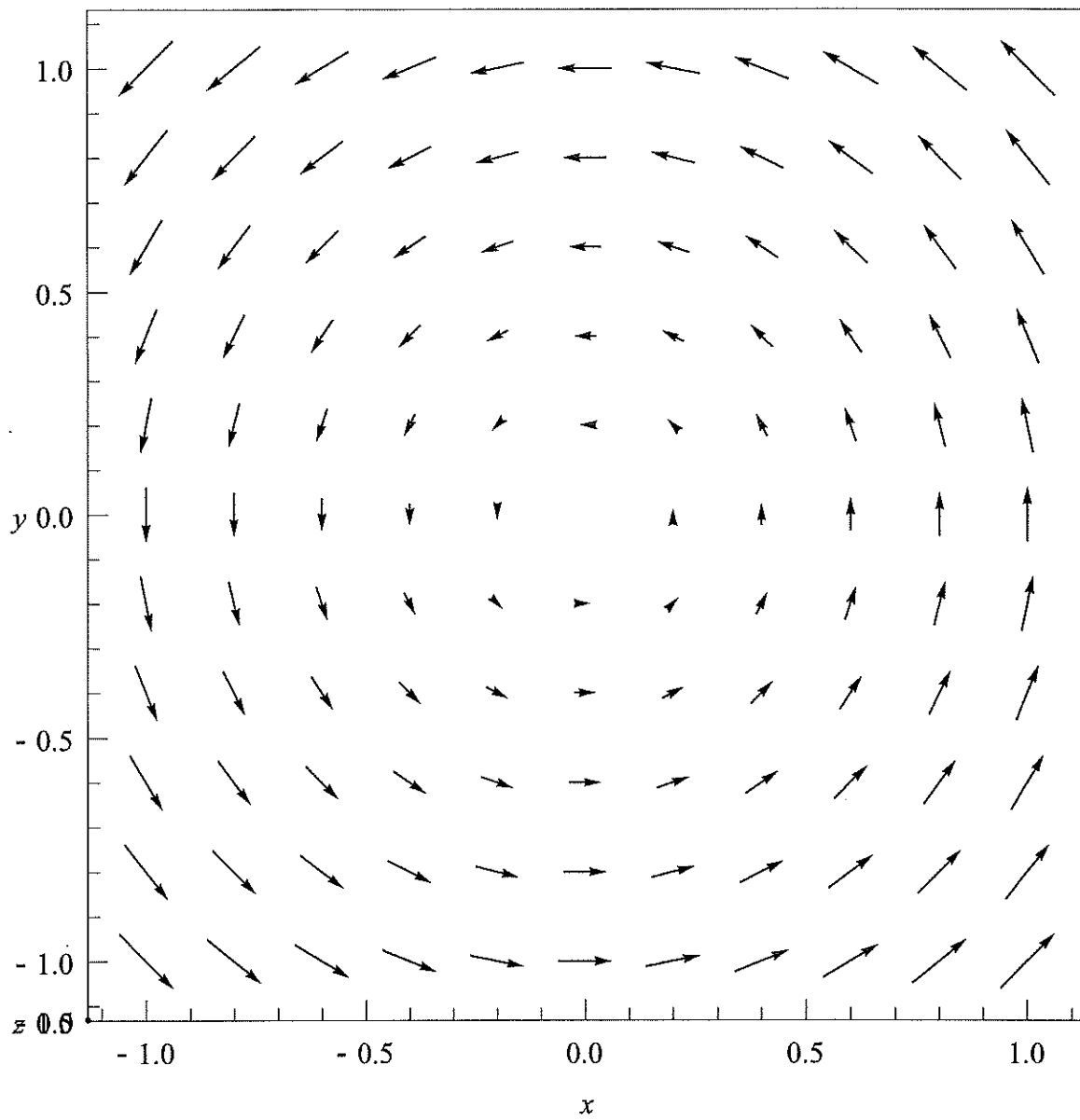
better: $\frac{1}{1+y^2} \hat{x}$



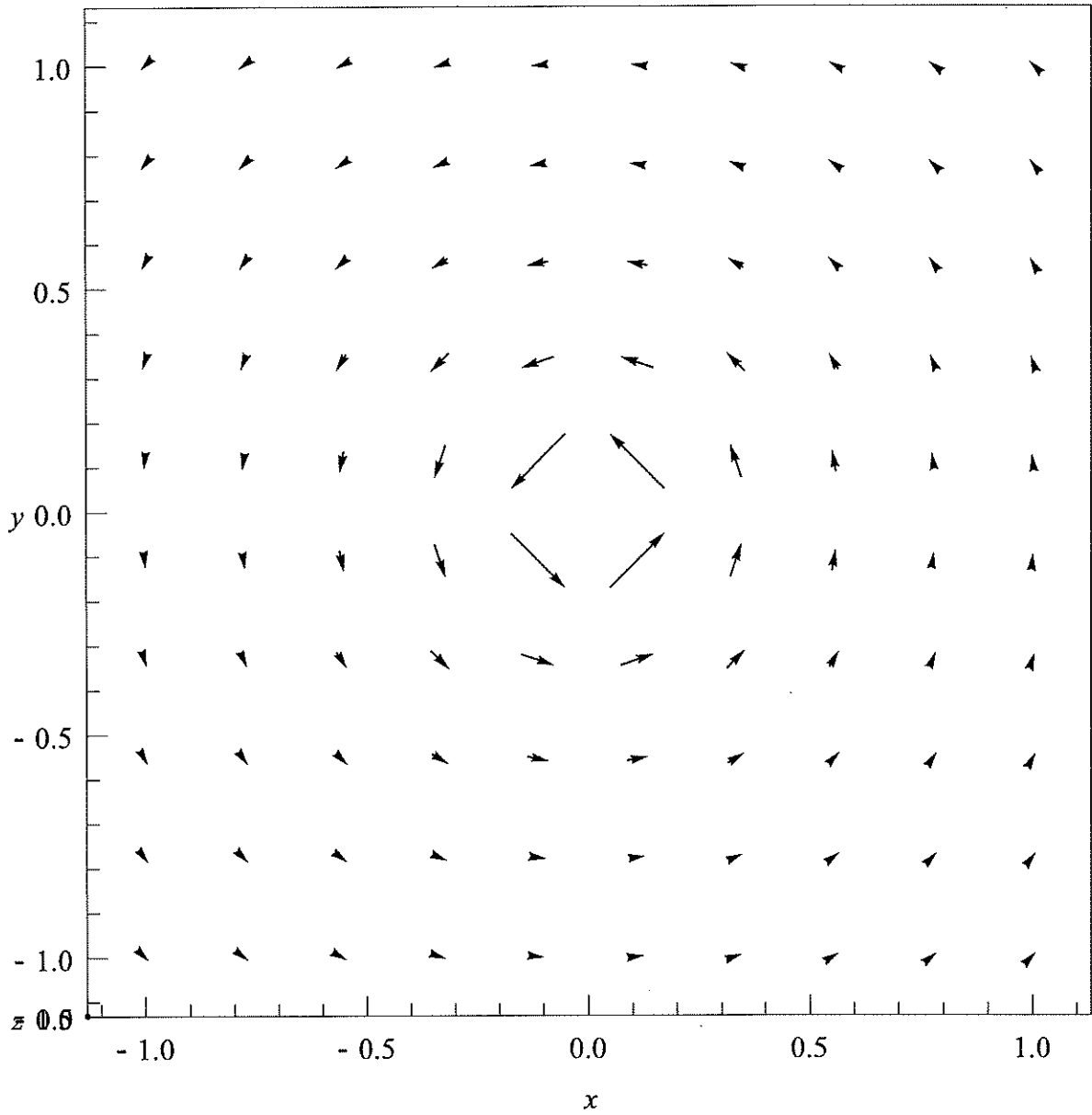
$$\vec{F}_4 = x\hat{x} + y\hat{y}$$



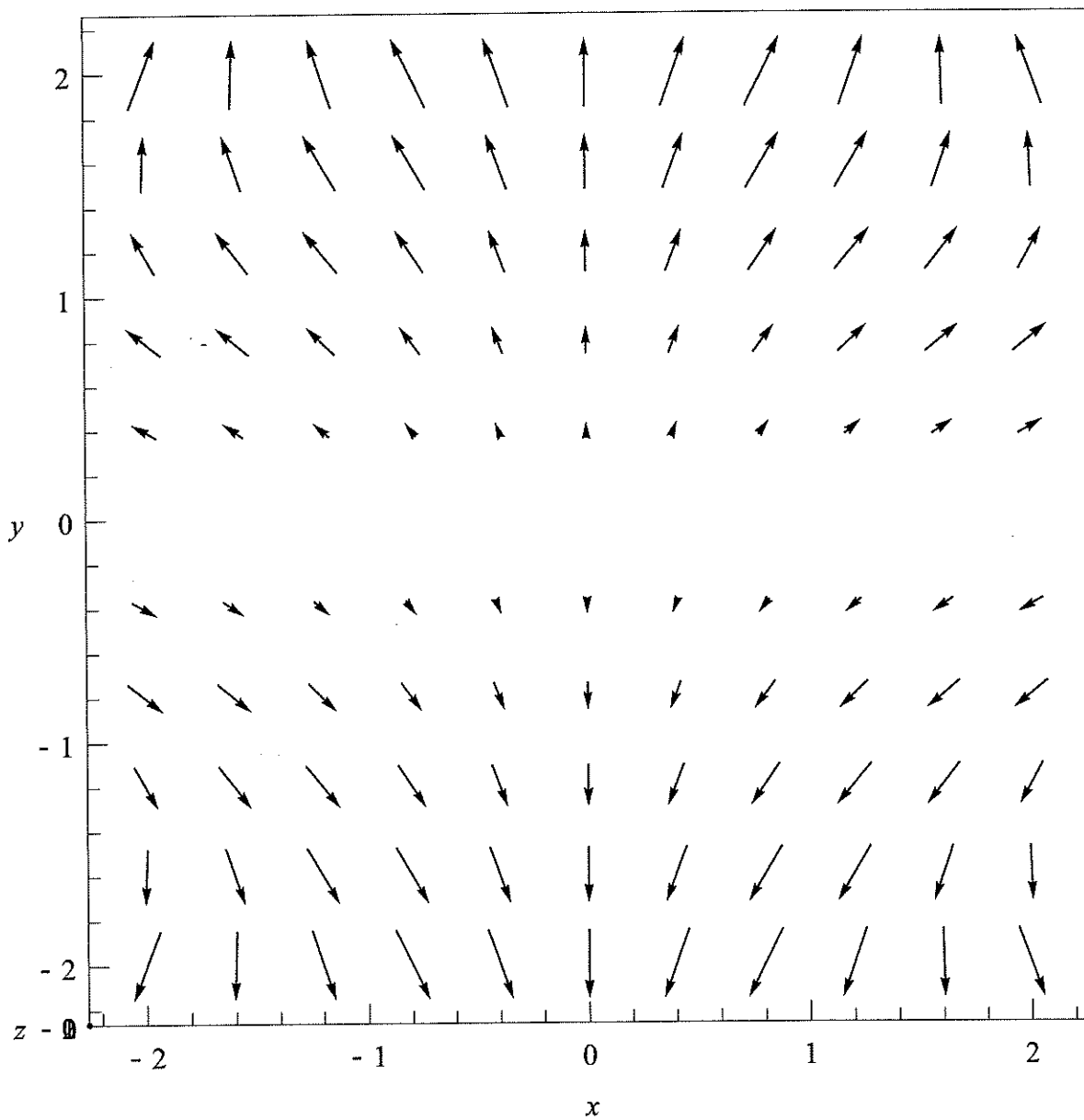
$$\vec{F}_5 = \frac{x}{x^2 + y^2} \hat{x} + \frac{y}{x^2 + y^2} \hat{y}$$



$$\vec{F}_6 = -y\hat{x} + x\hat{y}$$



$$\vec{F}_7 = -\frac{y}{x^2 + y^2} \hat{x} + \frac{x}{x^2 + y^2} \hat{y}$$



$$\vec{F}_8 = \sin(xy)\hat{x} + y\hat{y}$$