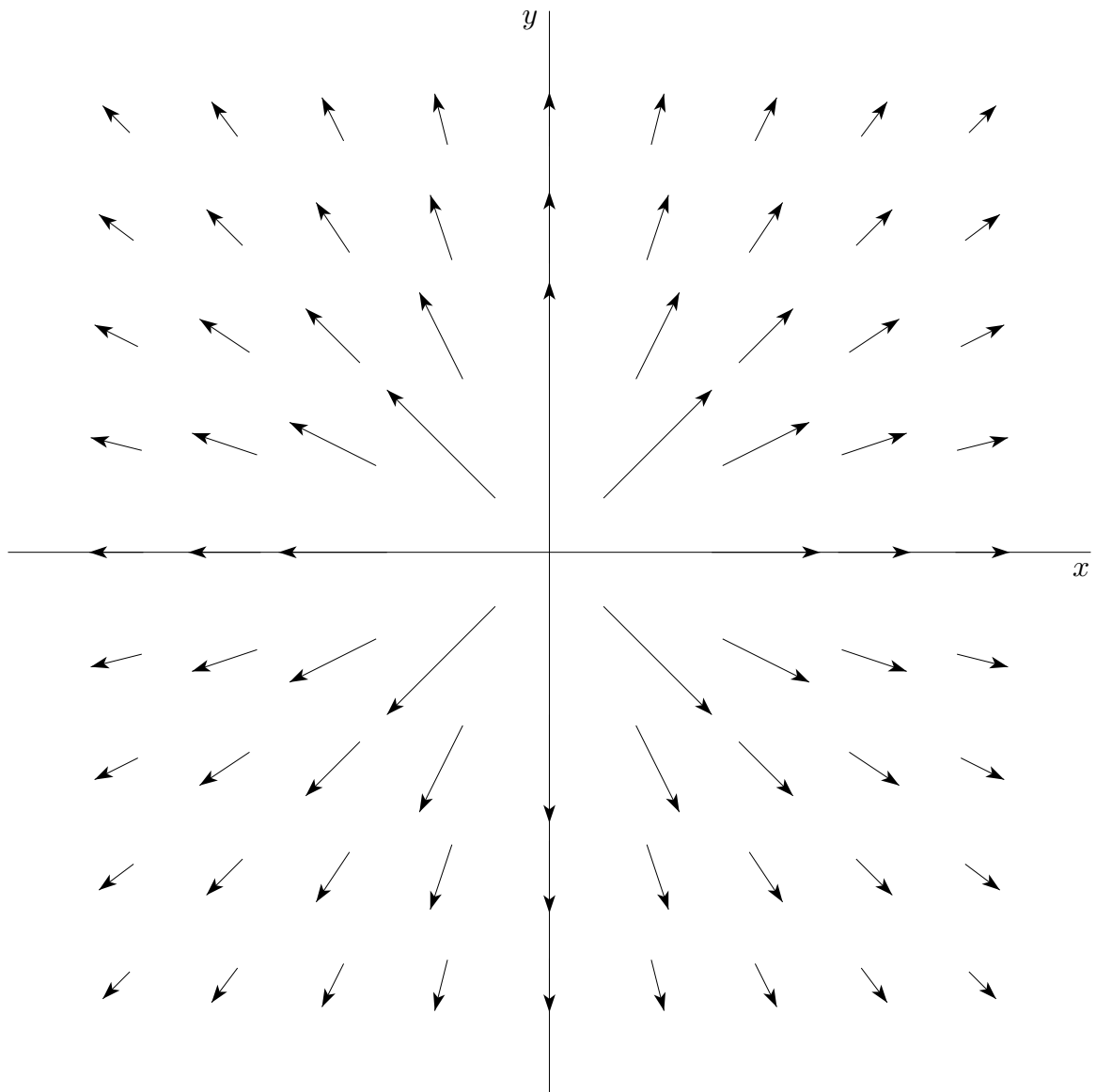
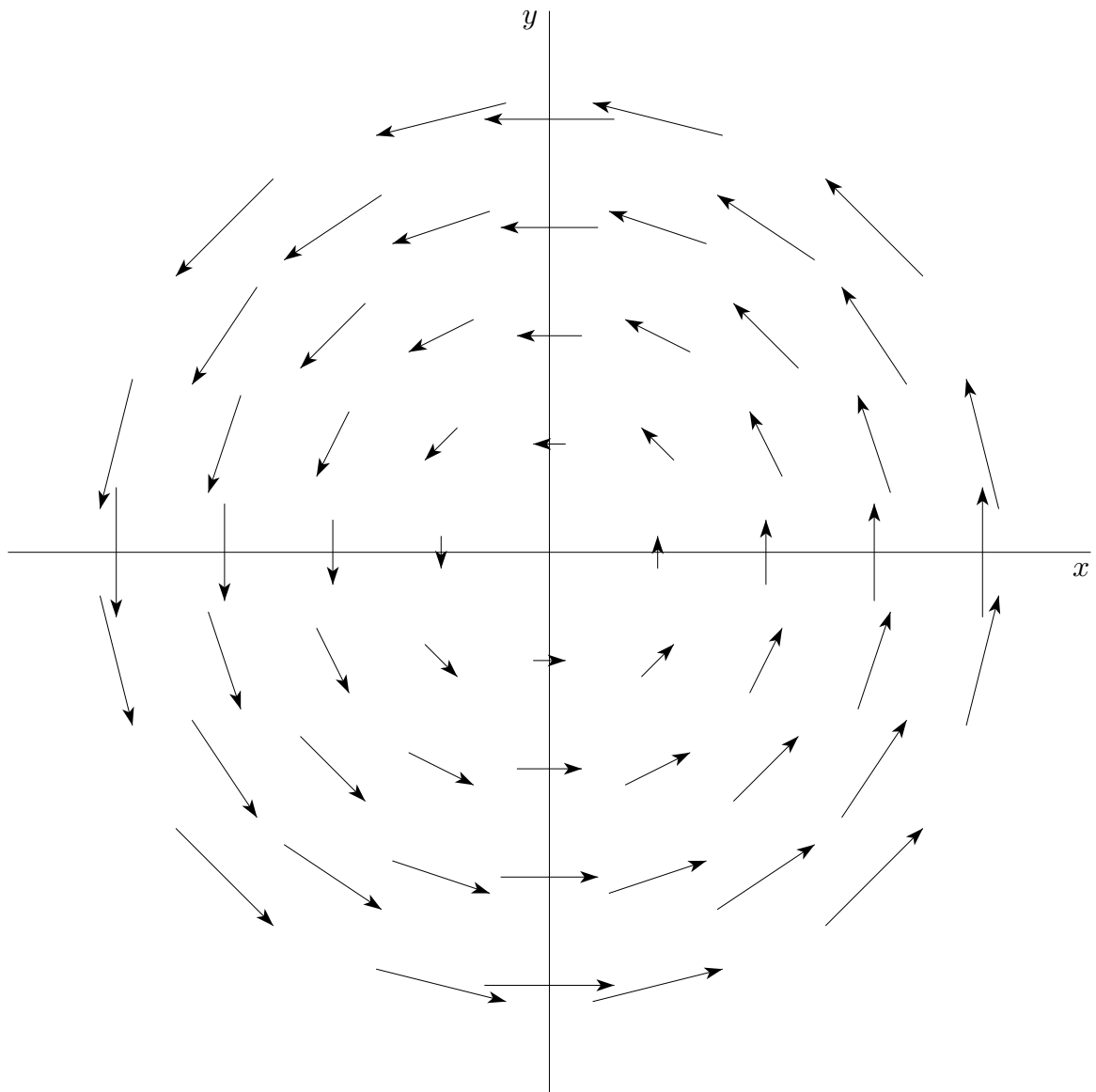


Point Source



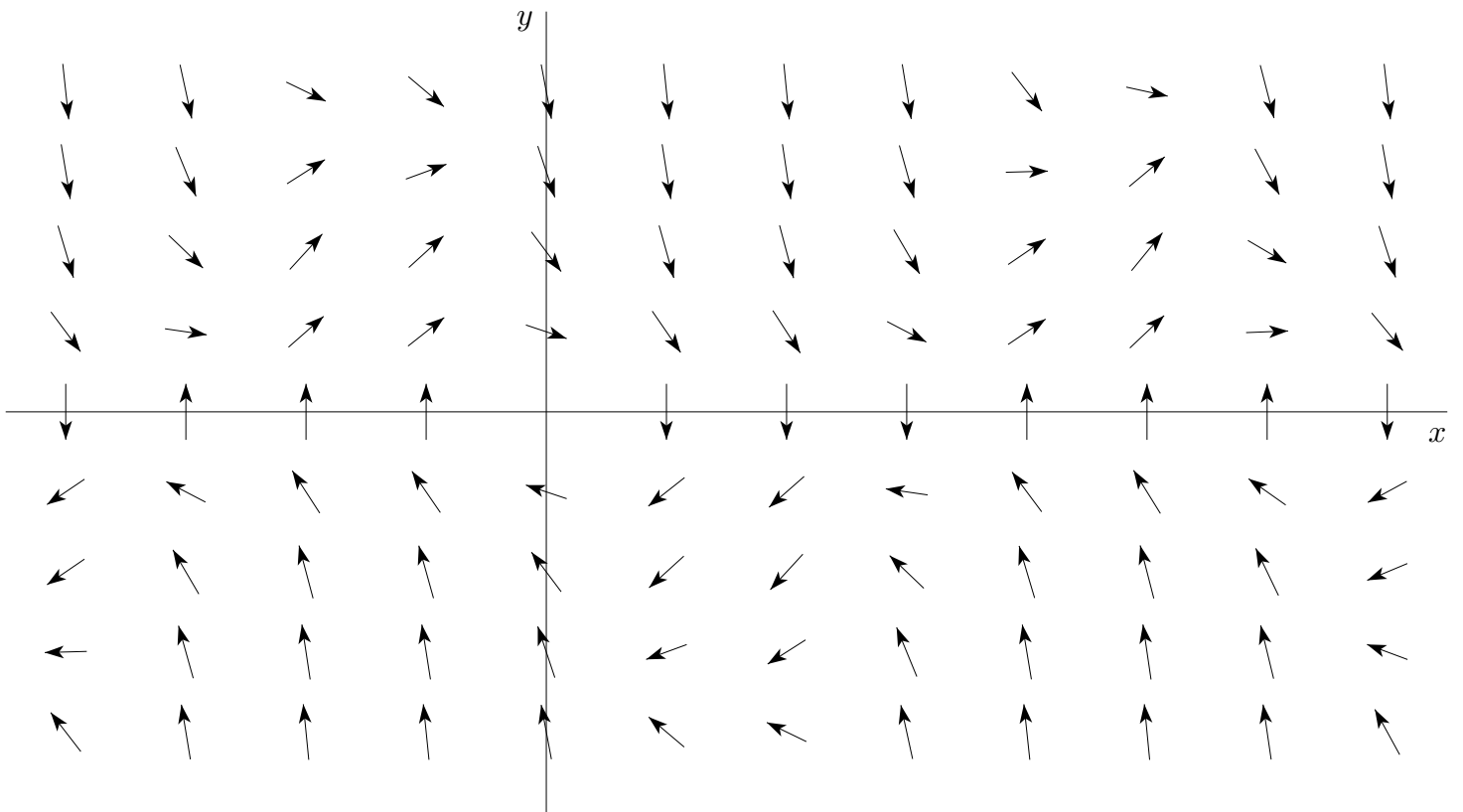
vector field $\vec{v} = m \frac{\hat{r}}{r}$

Vortex



vector field $\vec{v} = \Omega(-y\hat{i} + x\hat{j})$

The Damped Nonlinear Pendulum



direction field for $x' = y, y' = -y - 2 \sin x$