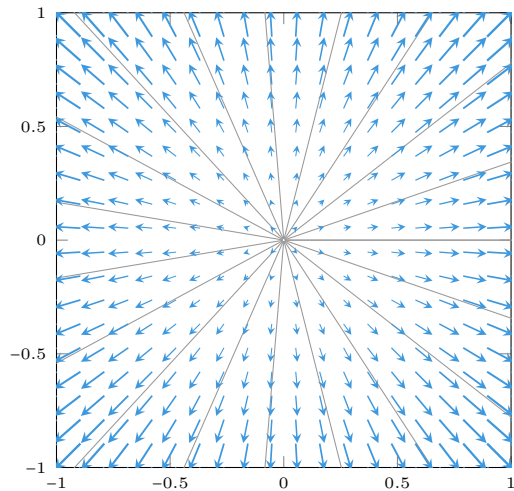
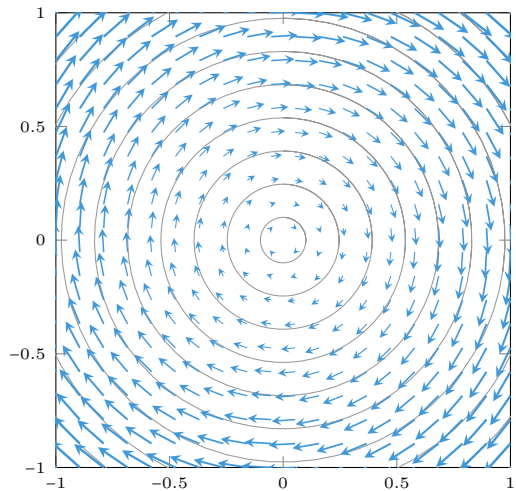


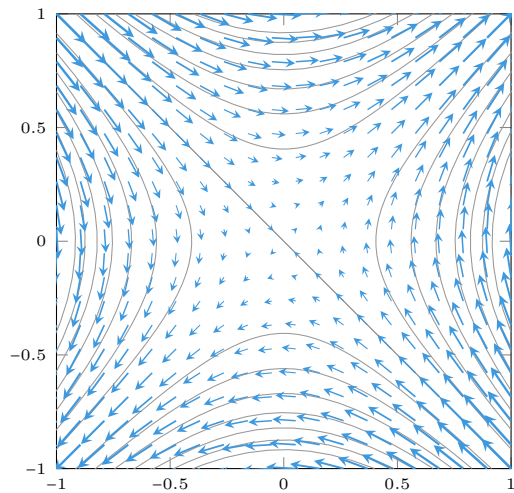
$$X_1 = x_1 \frac{\partial}{\partial x_1} + x_2 \frac{\partial}{\partial x_2}$$



$$X_{\hat{i}} = x_2 \frac{\partial}{\partial x_1} - x_1 \frac{\partial}{\partial x_2}$$



$$X_{\hat{j}} = x_2 \frac{\partial}{\partial x_1} + x_1 \frac{\partial}{\partial x_2}$$



$$X_{\hat{k}} = x_1 \frac{\partial}{\partial x_1} - x_2 \frac{\partial}{\partial x_2}$$

