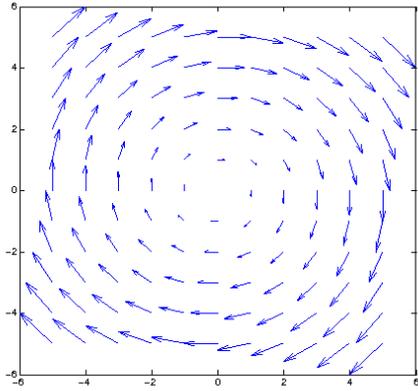
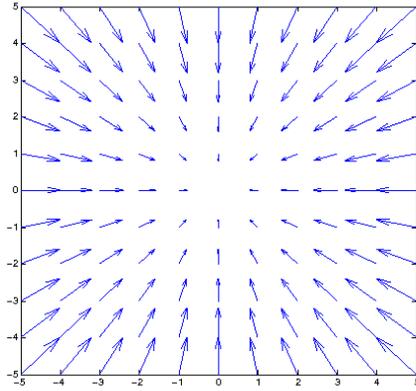


Some Vector Fields from 11/11/2011

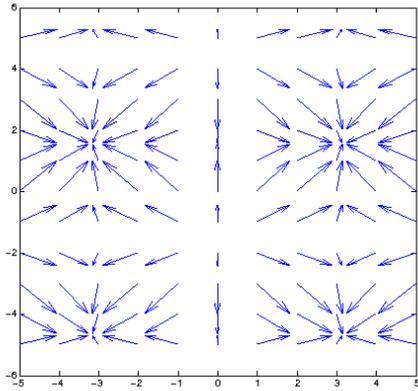
$$\vec{F}(x, y) = \frac{1}{5}y \hat{i} - \frac{1}{5}x \hat{j}$$



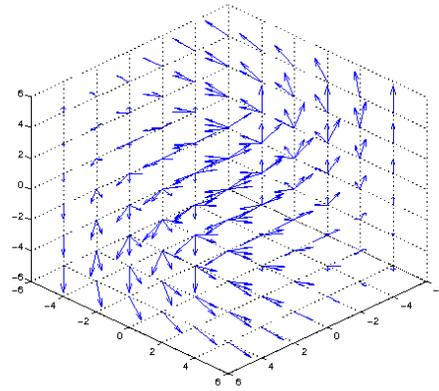
$$\vec{F}(x, y) = -\frac{1}{5}x \hat{i} - \frac{1}{5}y \hat{j}$$



$$\vec{F}(x, y) = \sin(x) \hat{i} + \cos(y) \hat{j}$$



$$\vec{F}(x, y, z) = \left(-\frac{y}{\sqrt{x^2+y^2}} \right) \hat{i} + \left(-\frac{x}{\sqrt{x^2+y^2}} \right) \hat{j} + \frac{1}{5}z \hat{k}$$



$$\vec{F}(x, y) = \left(\frac{3-x}{(x-3)^2+y^2} + \frac{x+3}{(x+3)^2+y^2} \right) \hat{i} + \left(-\frac{y}{(x-3)^2+y^2} + \frac{y}{(x+3)^2+y^2} \right) \hat{j}$$

