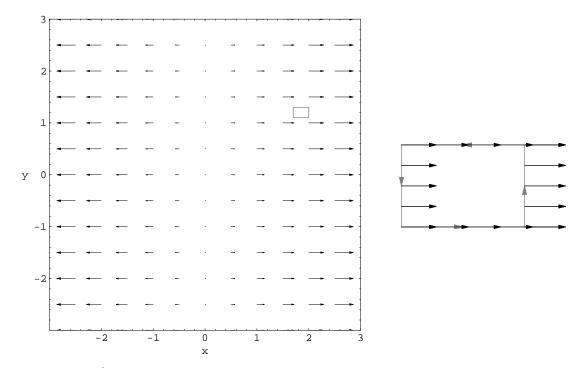
Curl examples

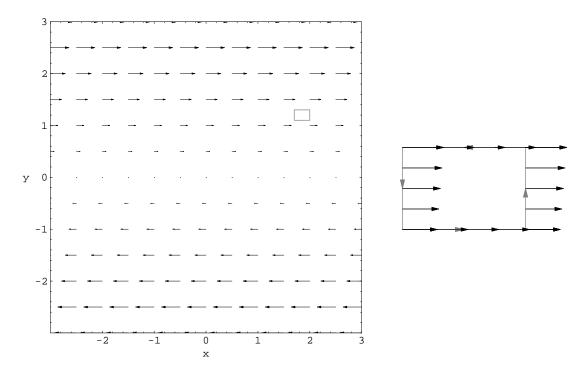
For each of the following:

- 1. Look at the small "rectangular" curve in the given vector field. Compute the curl as a circulation density.
- 2. Compute the curl using the cartesian expression in terms of partial derivatives.
- 3. Compare your results from 1 and 2.

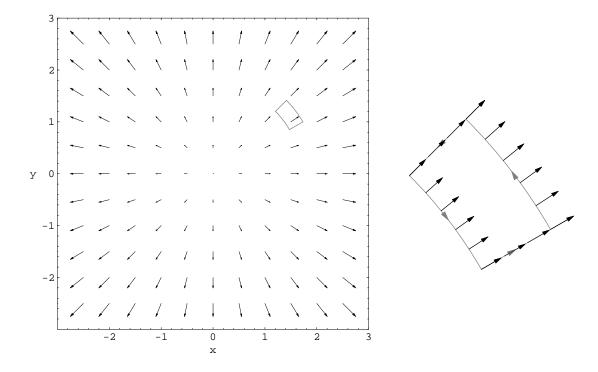
Example 1: $\vec{F} = x \hat{i}$



Example 2: $\vec{F} = y \hat{i}$



Example 3: $\vec{F} = x\hat{\imath} + y\hat{\jmath}$



Example 4: $\vec{F} = -y\hat{\imath} + x\hat{\jmath}$

