



The figure shows a 2D vector field on a square domain. The domain is discretized into a grid of points. At each point, a green arrow represents the velocity vector. The arrows generally point from the top-left towards the bottom-right, with some local variations. A central region, approximately 1/4 of the way from the left and bottom edges, is enclosed by a red dashed square. This region contains several arrows pointing in various directions, including some pointing upwards and to the right, which might indicate a vortex or a region of high shear.

A square lattice of points. At each of the four corners, there is a red circle containing a yellow arrow pointing towards the center of the lattice. Green arrows point from the center towards the corners, and blue arrows point from the corners towards the center.