



The figure displays a 3x3 grid of 9 diagrams. Each diagram is a 2x2 grid of vertices (represented by small squares) connected by lines. The arrows indicate the direction of flow between the four vertices in each 2x2 sub-grid.

- Top-left diagram:** Arrows point from the top-left vertex to the top-right, top-right to bottom-right, bottom-right to bottom-left, and bottom-left to top-left (clockwise).
- Top-middle diagram:** Arrows point from the top-left vertex to the top-right, top-right to bottom-right, bottom-right to bottom-left, and bottom-left to top-left (clockwise).
- Top-right diagram:** Arrows point from the top-left vertex to the top-right, top-right to bottom-right, bottom-right to bottom-left, and bottom-left to top-left (clockwise).
- Middle-left diagram:** Arrows point from the top-left vertex to the top-right, top-right to bottom-right, bottom-right to bottom-left, and bottom-left to top-left (clockwise).
- Middle-middle diagram:** Arrows point from the top-left vertex to the top-right, top-right to bottom-right, bottom-right to bottom-left, and bottom-left to top-left (clockwise).
- Middle-right diagram:** Arrows point from the top-left vertex to the top-right, top-right to bottom-right, bottom-right to bottom-left, and bottom-left to top-left (clockwise).
- Bottom-left diagram:** Arrows point from the top-left vertex to the top-right, top-right to bottom-right, bottom-right to bottom-left, and bottom-left to top-left (clockwise).
- Bottom-middle diagram:** Arrows point from the top-left vertex to the top-right, top-right to bottom-right, bottom-right to bottom-left, and bottom-left to top-left (clockwise).
- Bottom-right diagram:** Arrows point from the top-left vertex to the top-right, top-right to bottom-right, bottom-right to bottom-left, and bottom-left to top-left (clockwise).