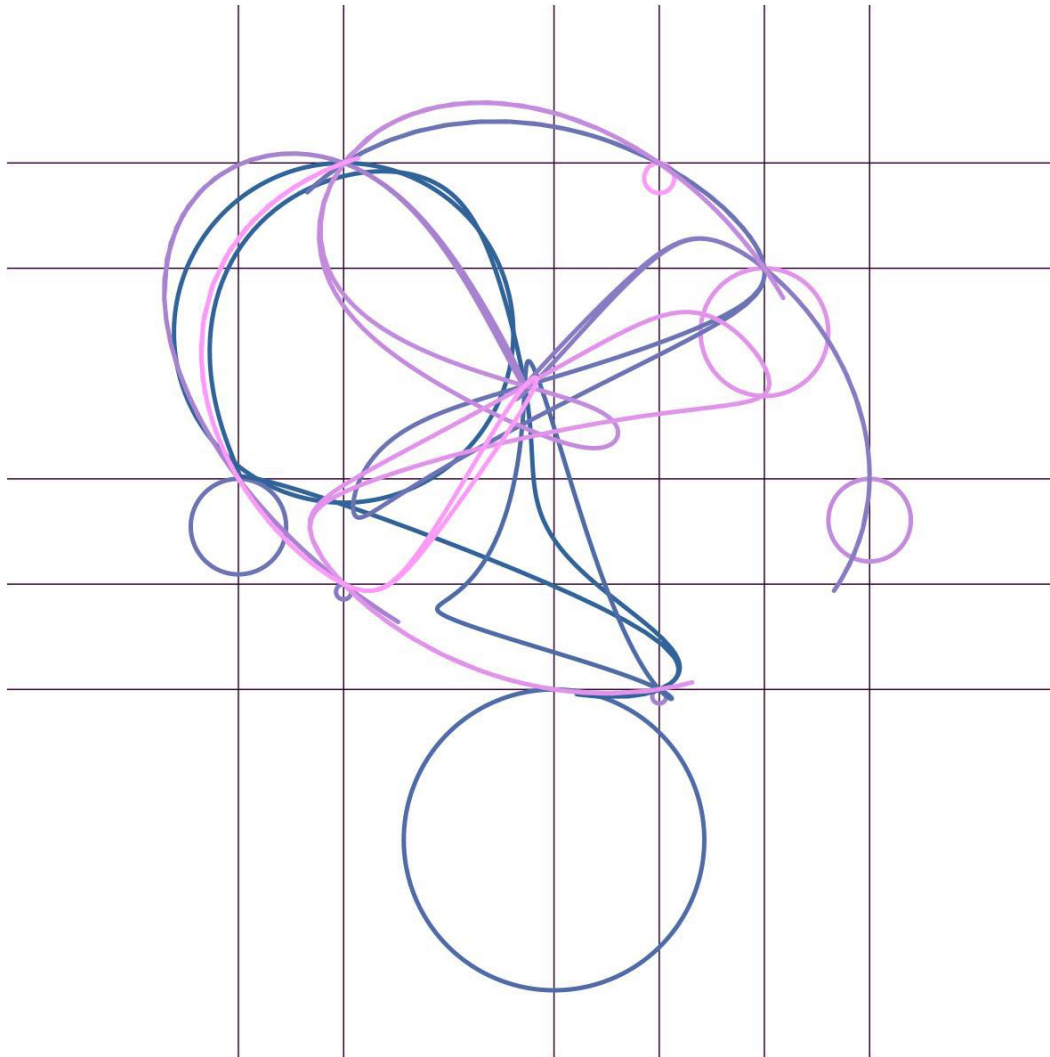


Going around in circles



Going around in circles is another Study of the ninth. It investigates what happens to the ninth point if one of the eight points (arranged on a grid) moves around in a circle.

Surprising observations were made. If the circle was sufficiently big the ninth point would visit **all** seven other points. However, the circles in Going around in circles were chosen small enough so that only a few of the other points are met.

Looks are deceiving. By complexifying the small circles one can find (determine) points on it such that the ninth point does indeed visit **all** seven other points.

Imagine all circles, big and small, attached to eight points. And imagine being the ninth, travelling in loops passing through the same points over and over again, a face, scowled in frustration.