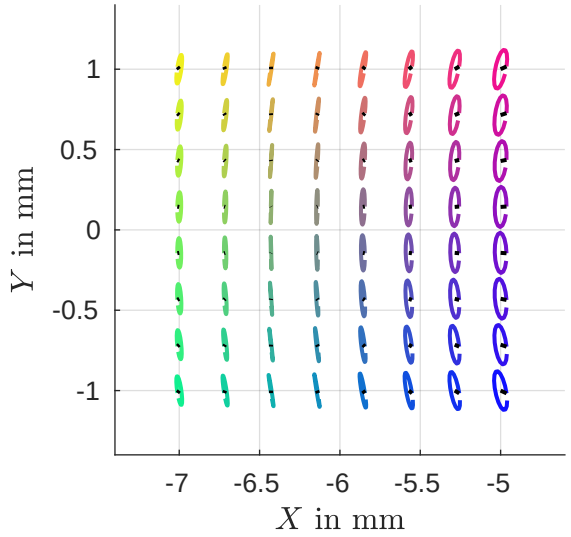
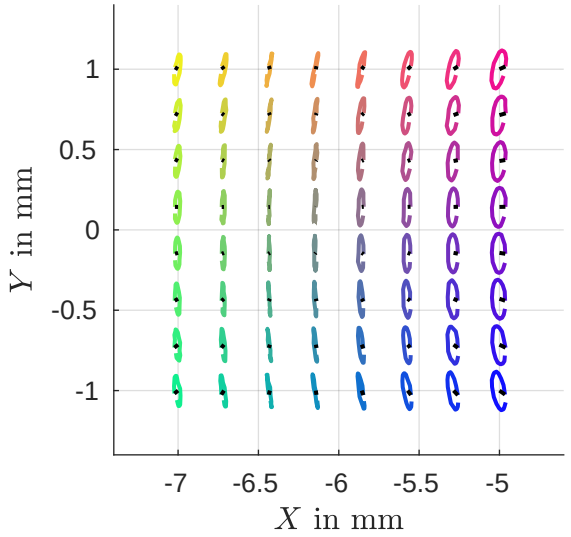
Sensor Array Simulation

Sensor Array (square) of 8×8 sensors, an edge length of 2.0 mm, a rel. pos. to magnet surface of $(-6.0, 0.0, -(7.0))$ in mm, a magnet tilt of $0.0°$, a sphere radius of 2.0 mm, a imprinted field strength of 200.0 kA/m at 1.0 mm from sphere surface in z-axis, 16 rotation angles with a step width of $22.5°$ and a resolution of $0.5°$. Visualized are circular path of each array position Based on TDK TAS2141 characterization reference Rise.

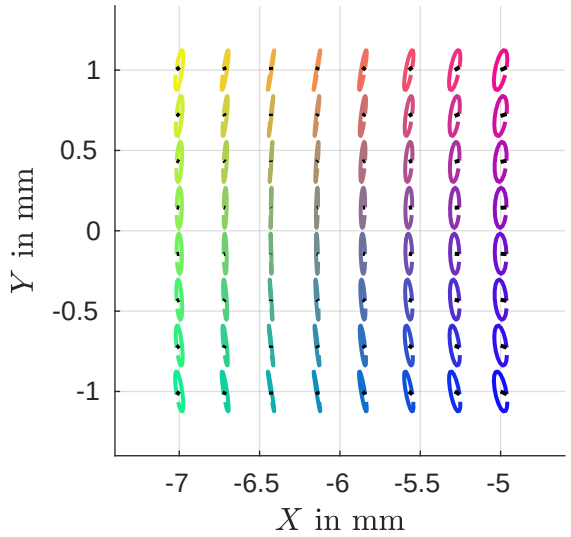
H_x, H_y Normed to Max overall Positions



V_{cos}, V_{sin} Normed to Max overall Positions



H_x, H_y Normed to Max at each Position



V_{cos}, V_{sin} Normed to Max at each Positions