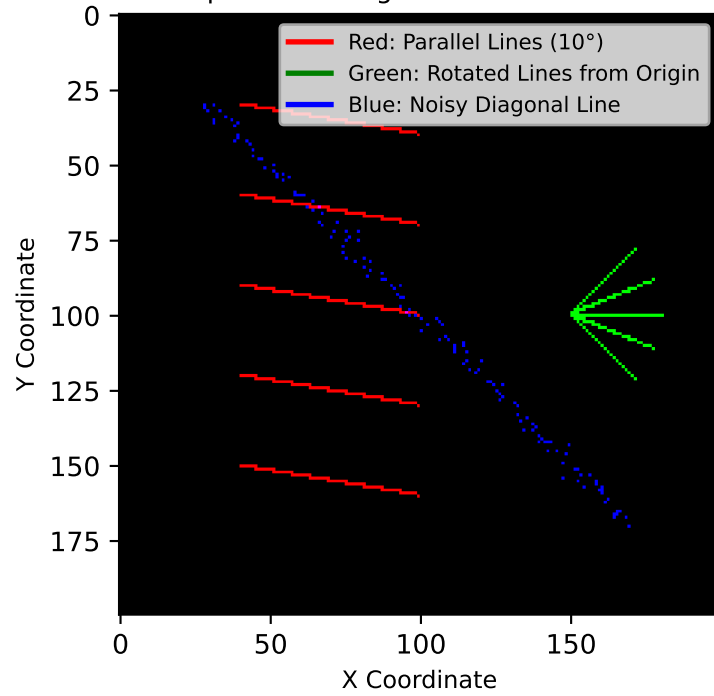
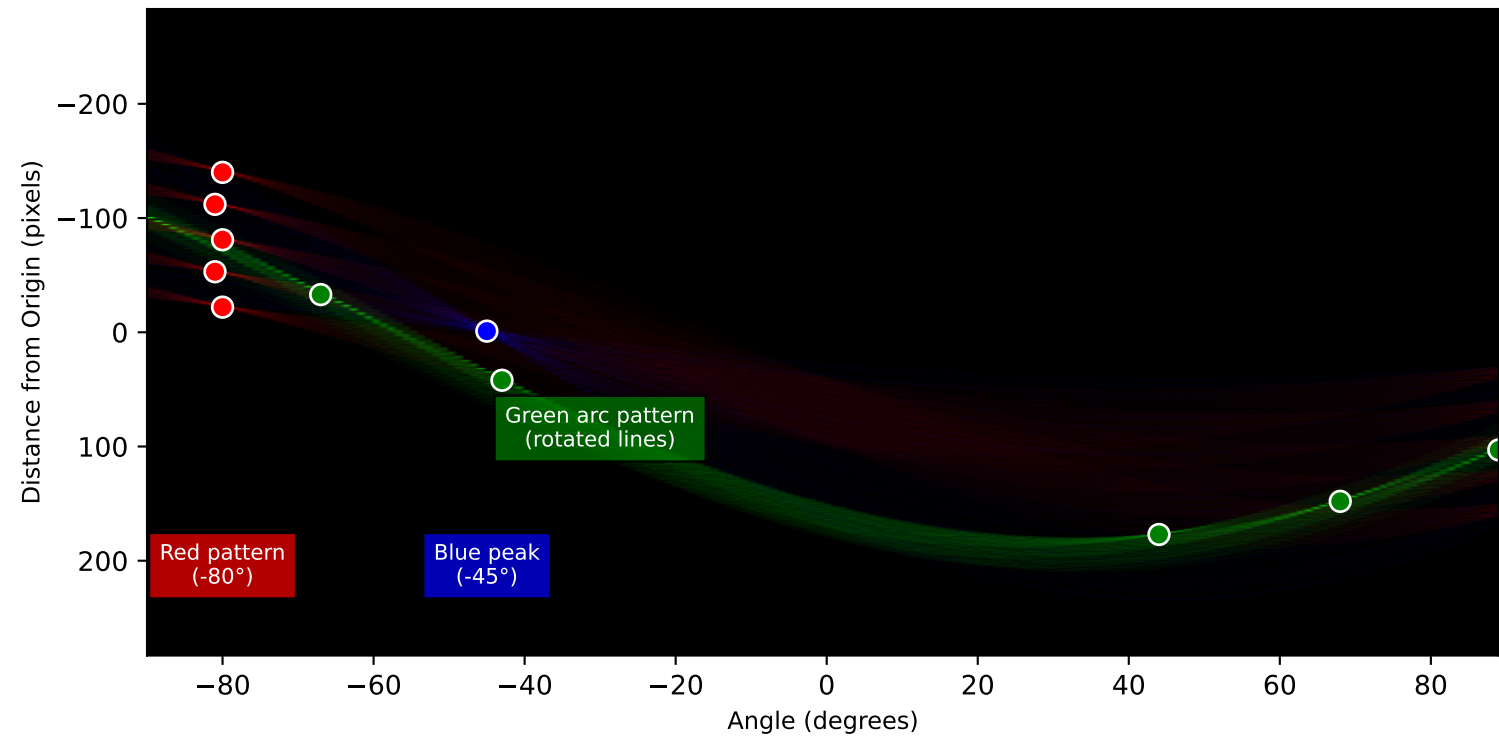


Visual Demonstration of Hough Transform

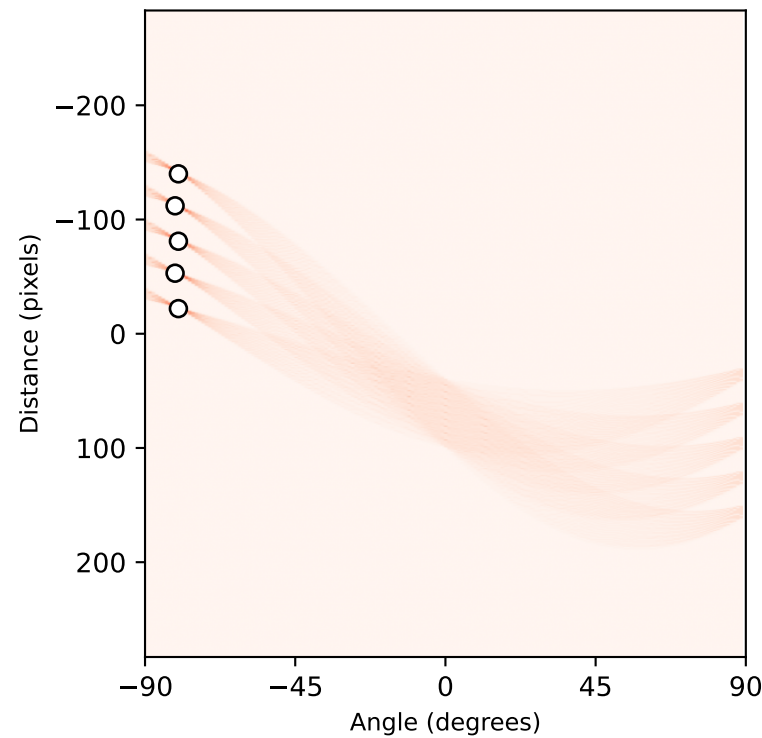
Input RGB Image with Line Patterns



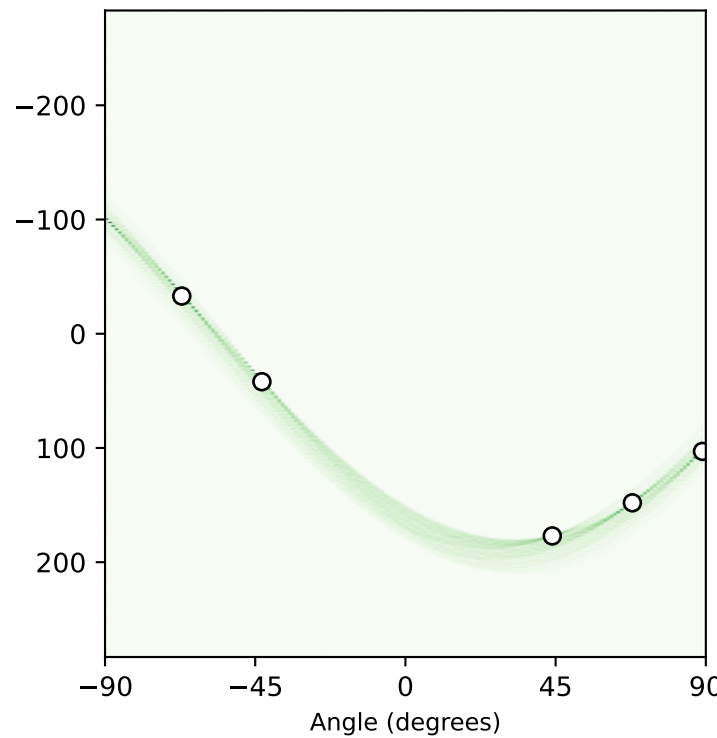
RGB Hough Transform Space



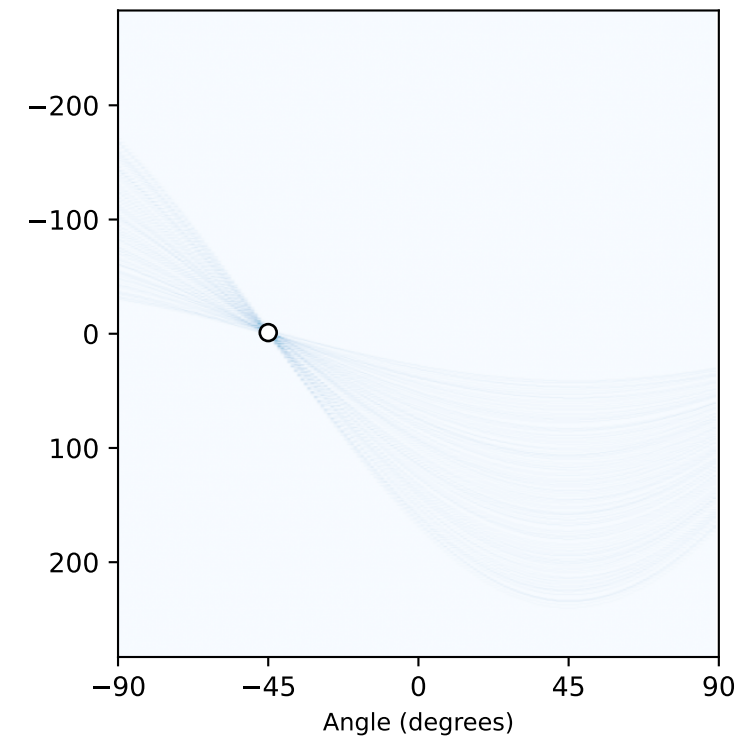
Red Channel Hough Transform



Green Channel Hough Transform



Blue Channel Hough Transform



The Hough transform converts lines in image space to points in parameter space (angle, distance). Parallel lines (red) create peaks at the same angle. Lines from a common point (green) create an arc pattern. Even with noise, a line (blue) creates a strong peak in Hough space.