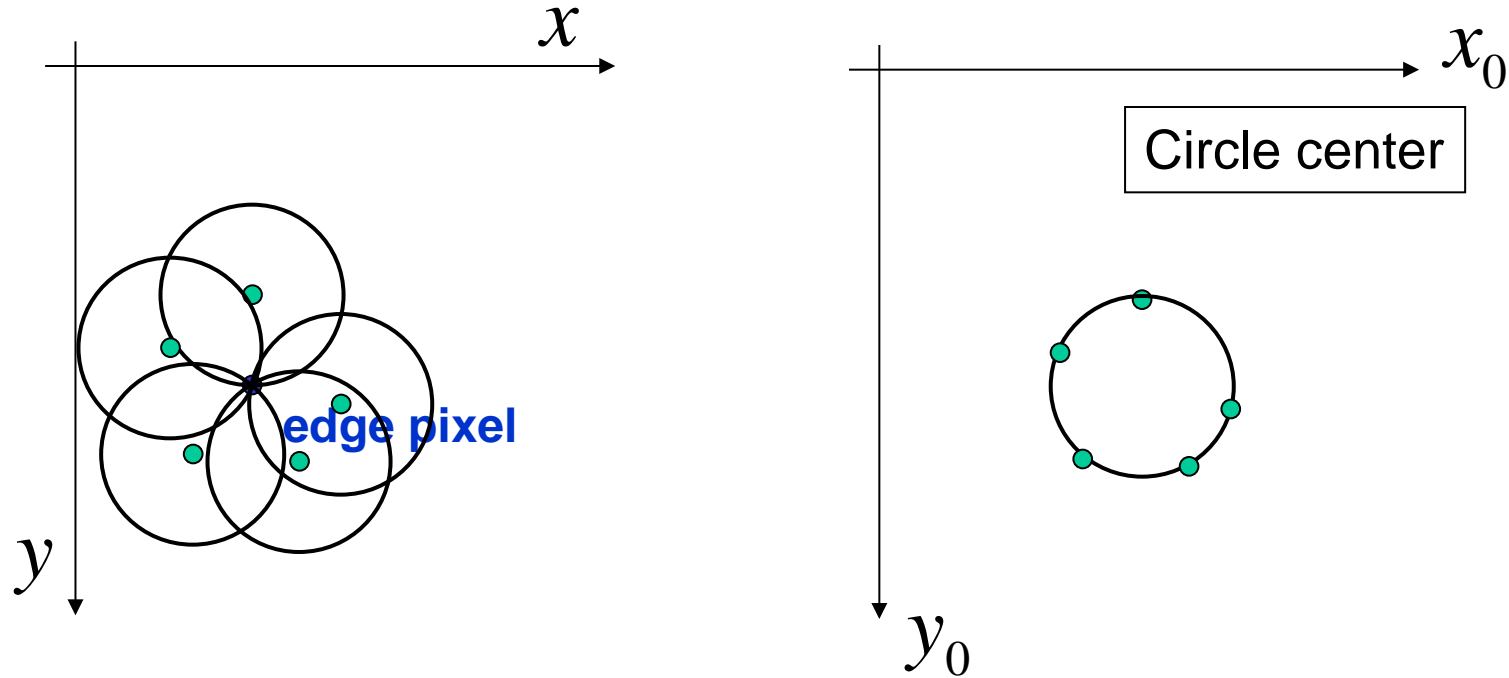


Circle Hough Transform

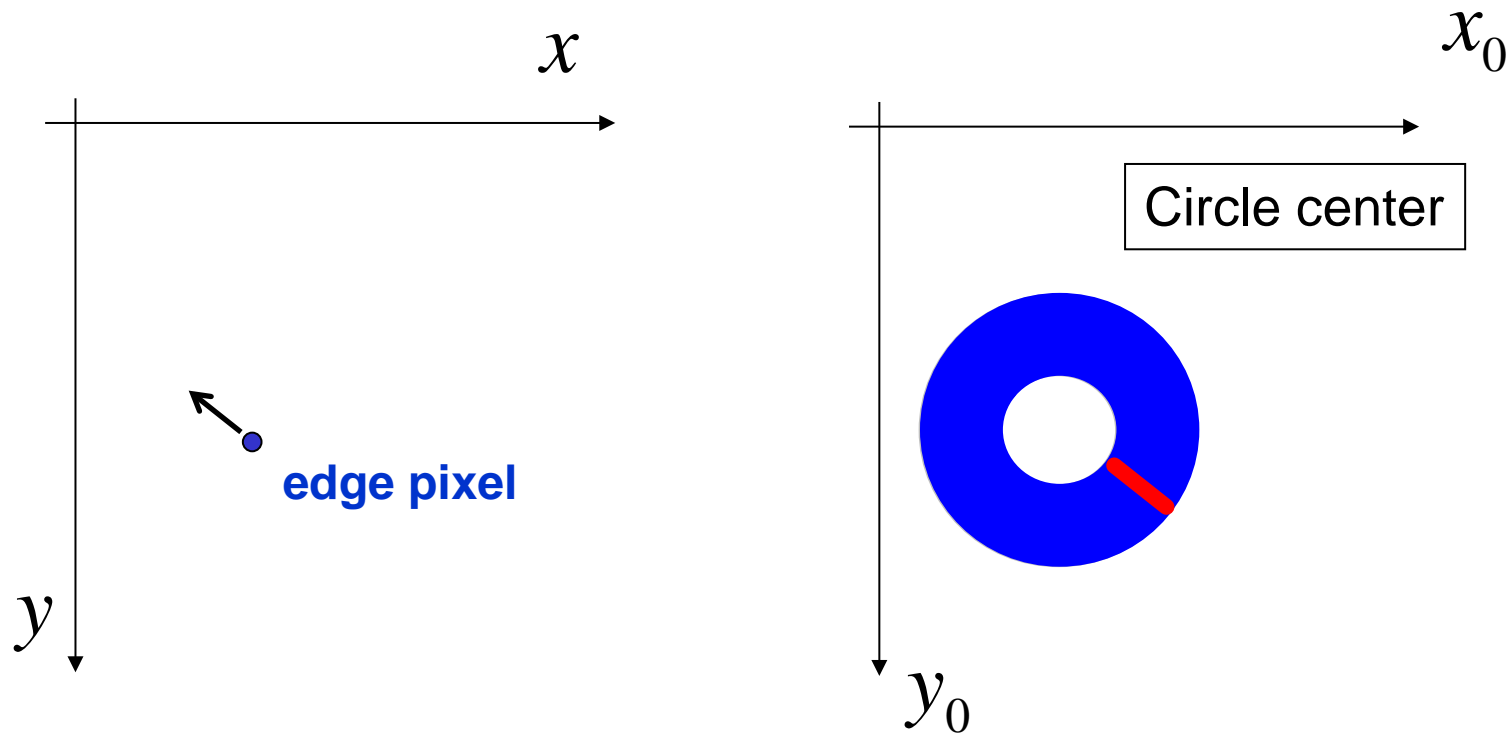
- Find circles of fixed radius r



- Equivalent to convolution (template matching) with a circle

Circle Hough Transform for unknown radius

- 3-d Hough transform for parameters (x_0, y_0, r)
- 2-d Hough transform aided by edge orientation \rightarrow “spokes” in parameter space

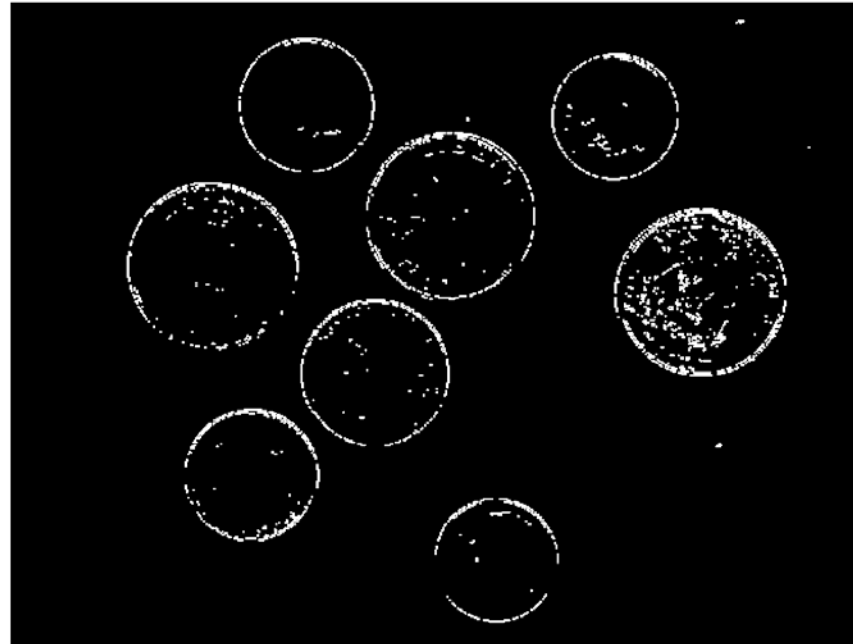


Example: circle detection by Hough transform

Original
coins image



Prewitt edge detection



Detected circles

