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import cv2
import numpy as np

image_path = "C:\\Users\\nvisw\\OneDrive\\Pictures\\Saved Pictures\\ST.jpeg"
image = cv2.imread(image_path, cv2.IMREAD_GRAYSCALE)

prewitt_x = cv2.filter2D(image, cv2.CV_64F, np.array([[ -1, 0, 1], [ -1, 0, 1], [ -1, 0, 1]]))
prewitt_y = cv2.filter2D(image, cv2.CV_64F, np.array([[ -1, -1, -1], [ 0, 0, 0], [ 1, 1, 1]]))
prewitt_edges = cv2.magnitude(prewitt_x, prewitt_y)

robert_x = cv2.filter2D(image, cv2.CV_64F, np.array([[ 1, 0], [ 0, -1]]))
robert_y = cv2.filter2D(image, cv2.CV_64F, np.array([[ 0, 1], [-1, 0]]))
robert_edges = cv2.magnitude(robert_x, robert_y)

cv2.imshow('Original Image', image)
cv2.imshow('Prewitt Edges', prewitt_edges.astype(np.uint8))
cv2.imshow('Robert Edges', robert_edges.astype(np.uint8))

cv2.waitKey(0)
cv2.destroyAllWindows()
```