10. Image representation and description

- (a). Develop a program to implement the boundary following algorithm, the resampling grid and calculate the chain code and the first difference chain code. Use the image 'noisy_stroke.tif' for test. (For technique details, please refer to pp.818-822 (3rd edition, Gonzalez DIP, or pp.796-801 in the electronic textbook).
- (b). Develop a program to implement the image description by the principal components (PC). Calculate and display the PC images and the reconstructed images from 2 PCs. Use the six images in 'washingtonDC.rar' as the test images.