

CS4363/5363 Computer Vision

Fall 2022

Filtering Exercise

Apply the following filters to the gray-level version of the cars1500 image:

1. Box filtering with sizes 1,3,7,15,13
2. Gaussian filtering with sigma 0.1, 1, 10, 100
3. Prewitt edge detector
4. Sobel edge detector
5. Sharpen filter

Repeat 1-5 using the color version of the image.