Computer Vision 1 - Assignment 2
Linear Filters: Gaussians and Derivatives

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1   Harris Corner Detector

- We compute the first order gaussian derivative. Wwe make use of kernel separability and use the functions implemented in the previous assignments
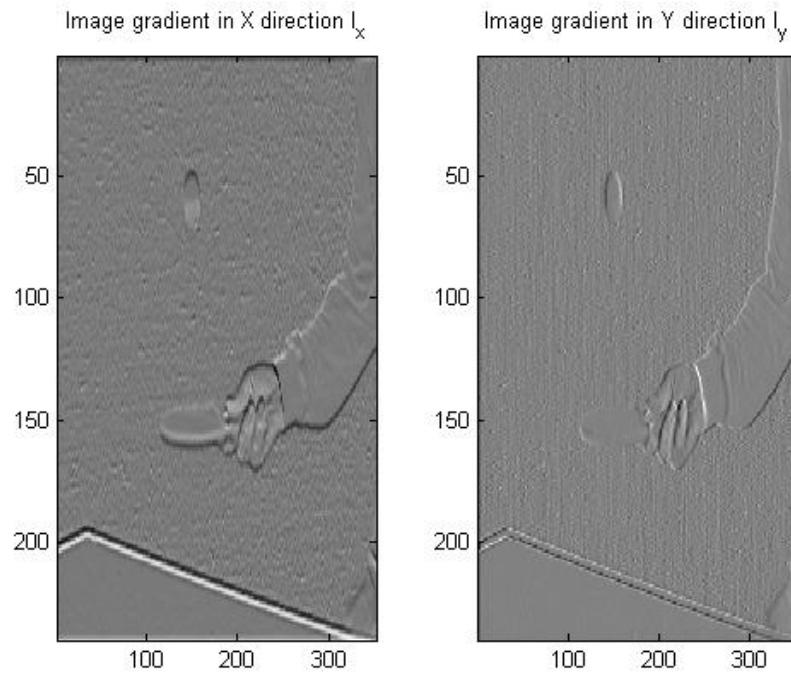
Figure 1: Comparison for flowers.jpg. From left to right: original image, image filtered with 2D kernel and image filtered with 1D kernel. All images have a σ value of 2

2 Lucas-Kanade Algorithm for Optical Flow

3 Tracking