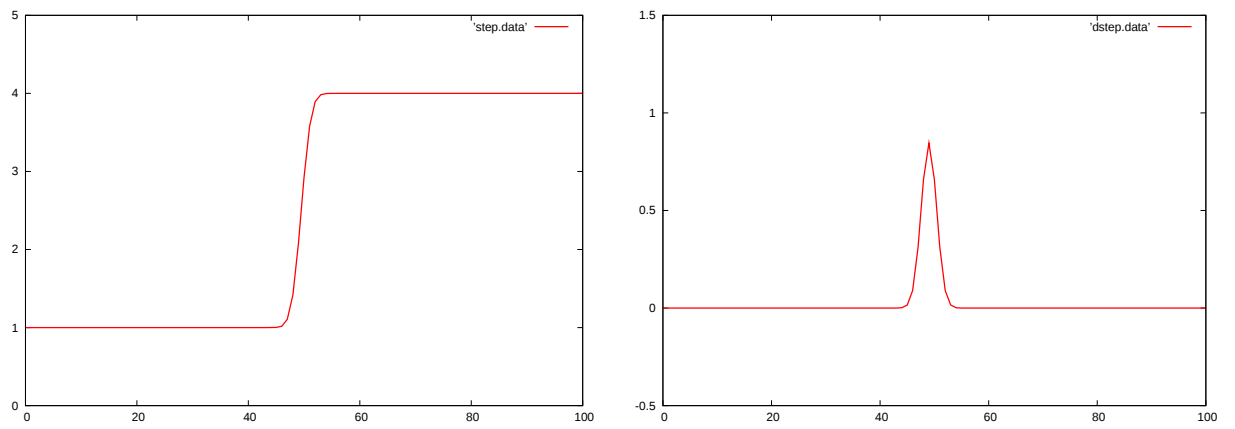
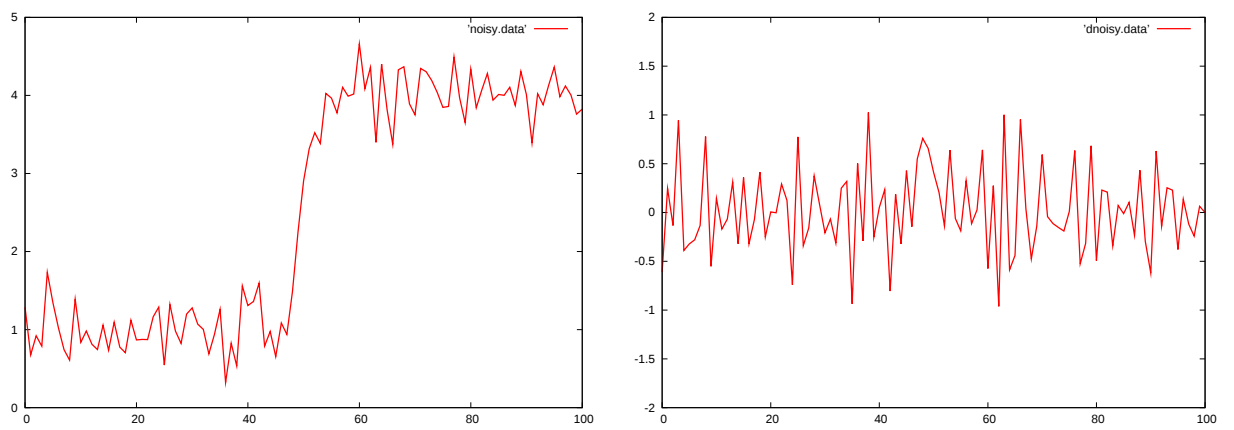
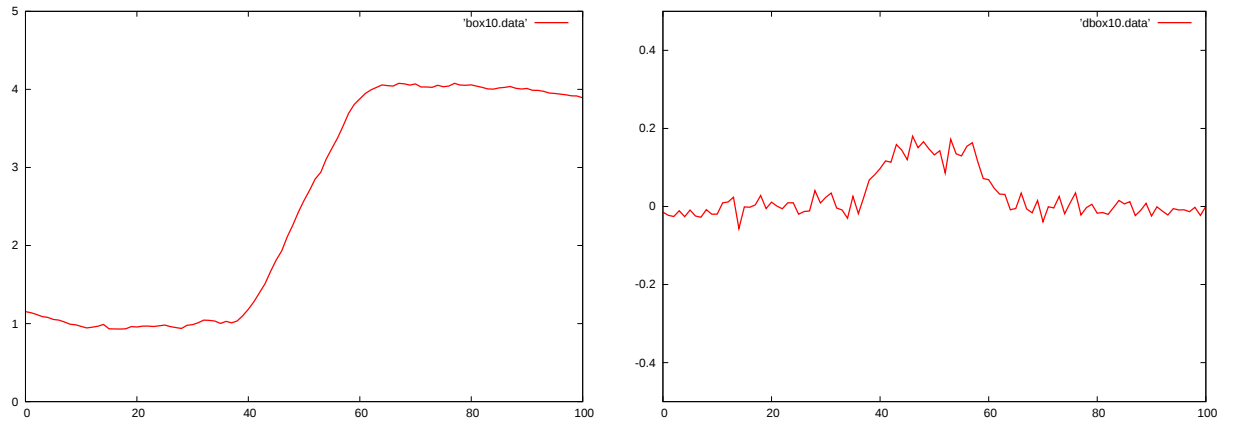




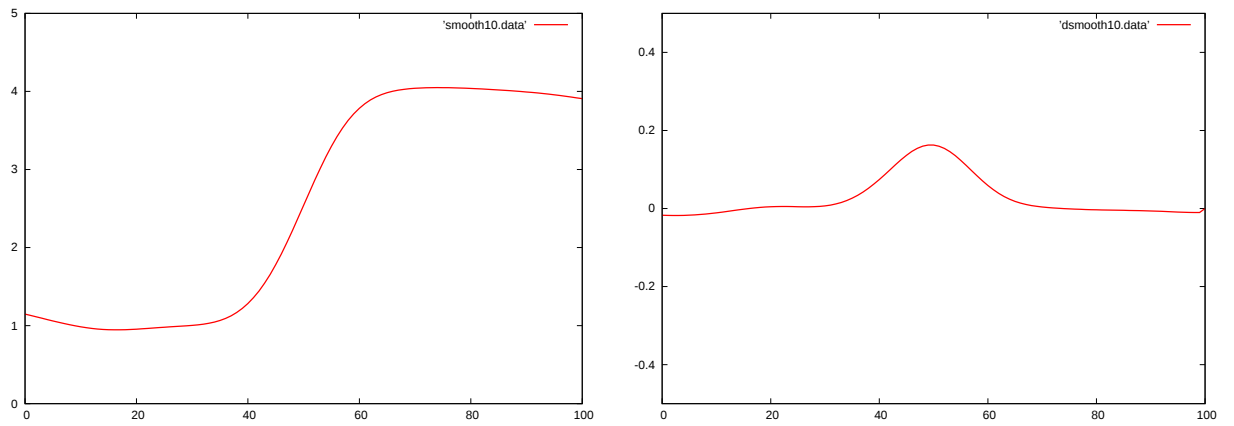
(a) a step-edge and its derivative



(b) a step-edge with added noise and its derivative



(c) noisy edge smoothed with a box and its derivative



(d) noisy edge smoothed with a gaussian and its derivative



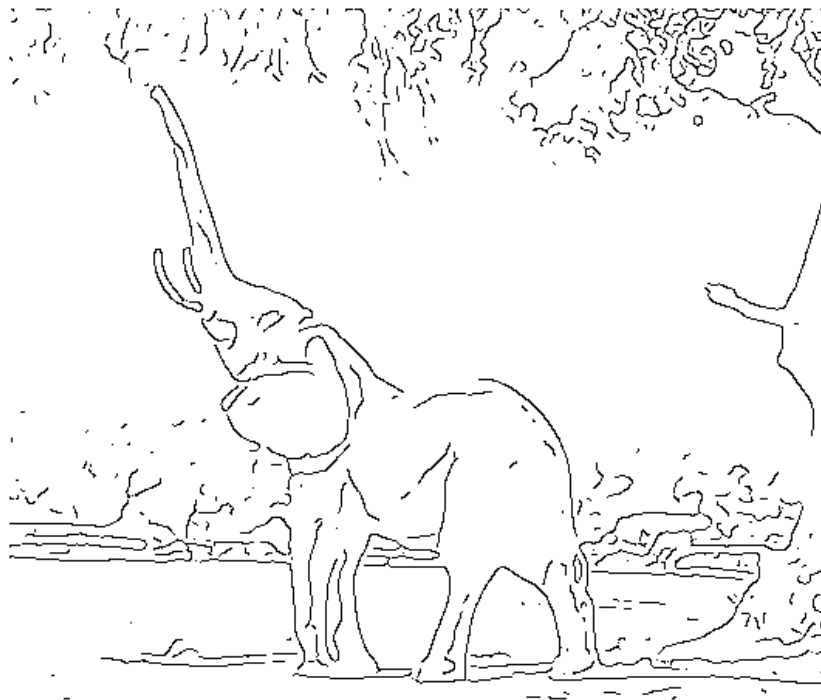
(a) grayscale image



(b) smoothed image



(c) gradient magnitude



(d) canny edges