np.minimum(coeff*distance_transform_edt(255-world_obstacles), 255)

x8   x16   x32

Matrix with obstacles, free spaces and the potential field

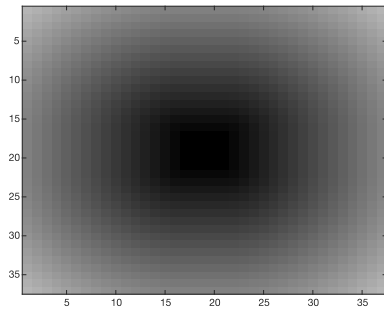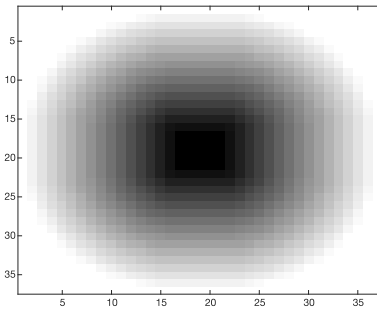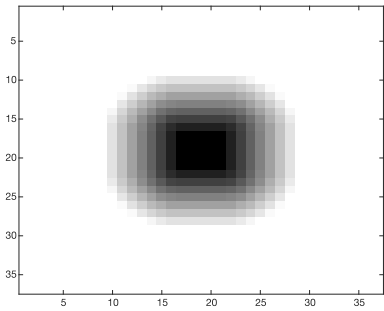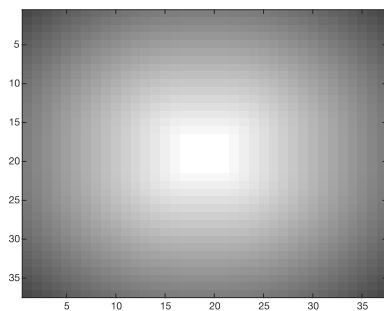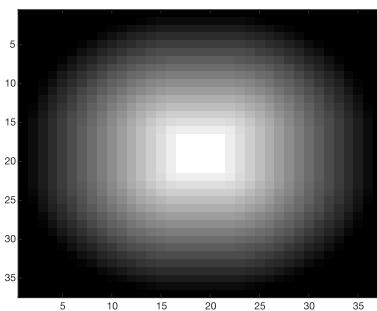255 - np.minimum(coeff*distance_transform_edt(255-world_obstacles), 255)

x8   x16   x32