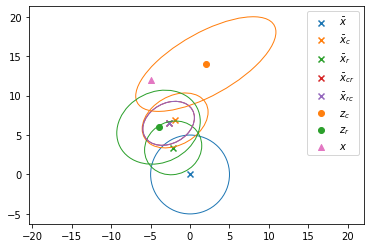
TTK4250 – Assignment 2

Task 2)

g)



x\_bar\_cr = x\_bar\_rc = 

P\_cr = P\_rc = 

Here we have performed the update of the sensor for both the measurements in x\_bar\_cr and x\_bar\_rc. What we observe is that the distributions (which are gaussian and therefore characterized by the means x\_bar\_rc and x\_bar\_cr and the covariances P\_rc and P\_cr) are identical. This means that the order in which we condition does not matter.