Efrerency of Fact SCAM

• Roposal dushibutron

"Fact SCAM 1.0" -> "Fact SCAM 2.0"

(Probabilistic Tobotics book") underfris proposal
dishibutron (The resurrations

** Are token into account)

The problem of the presented

M particles

N unap features (land unallis)

O(MN)

Copy

the given court rol and this may

inefficiencies because if the Control is very noisy this may lead to the midesored

lead to inefficiencies because if the Control is very noisy this may lead to the midespread of the particles and only a few will survive in the end, because all the others do not fit very well into the placerorations of our robot.

Each $\frac{\mathcal{Z}_{t}}{\sqrt[4]{\phi_{t}}} = \begin{bmatrix} \check{D}_{t} \\ \check{\phi}_{t} \end{bmatrix}$ got in the scan

differently in the prediction step, which writ modify the map. When the observation octurs they will be updated differently. This measurement relates to an existing landmark.

If this particles are close, these indices, probably, are the same => K= l. So we modify the list of landmarks only in one place, where are the other entries stay the same