Introduction 1.1) Uncentainty an Robutice Robolics is the Science of personing and manipulating the physical would through compuler - controlled mechanical devices! -> Uncestainty asises if the sobot lacks Contical information for carrying out its Il anises from 5 differed factors: > Envioument -> Sonson -> Limited capability
Noise 7 (lobota surposedictable, due to control moise wear k teas. -> Models S Models are distractions of the oned world? > Compuldion -> Robots are one al-time systems, which limits
the amount of computation that can be
carried out 1.27 Porobablistic Robotics "This book provides a composithmes overview of 1)

Probabilistic algorithms

for probabics. Key Idea: Instead of onelying on a Single best guess" as to what might be the Case, Psobiblistic algorithms or prosesuts information be probablition

distillions over whole space of possible bropotheses.

1.3> IMplications A subsoft that Can consies a notation of its own uncertainty and that acts accordingly is superior to one that does not" (Kidnopped grobbet problem) -> Mobile mobot must sociouch from localization failure. -> Advantage Comes ata cost of: > need to opponimets.