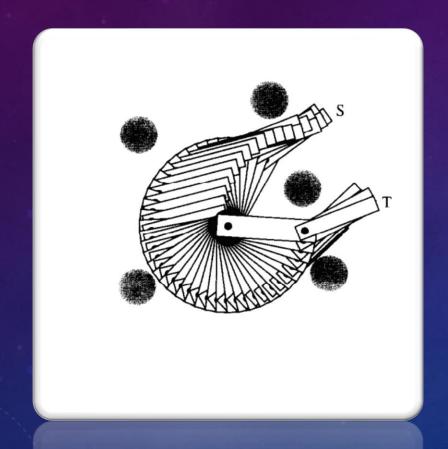
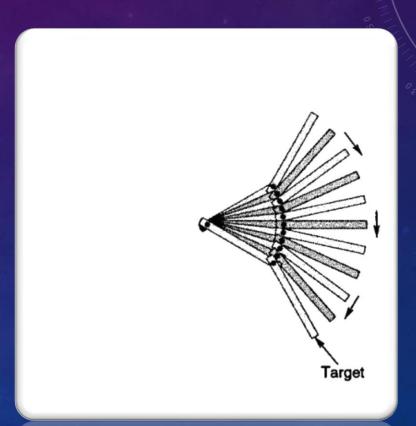


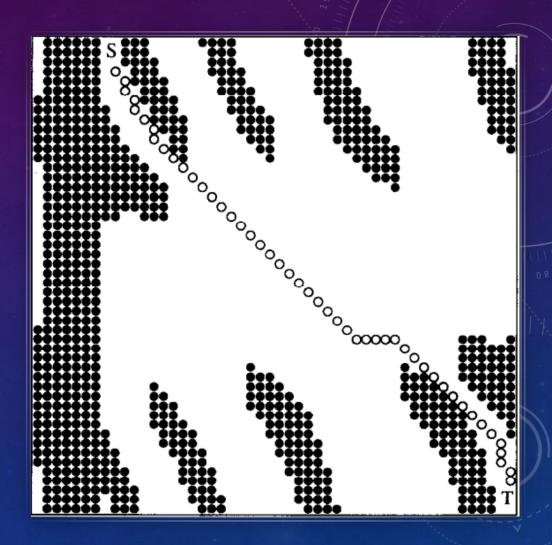
# EXAMPLES IN THE PAPERS





## JOINT SPACE

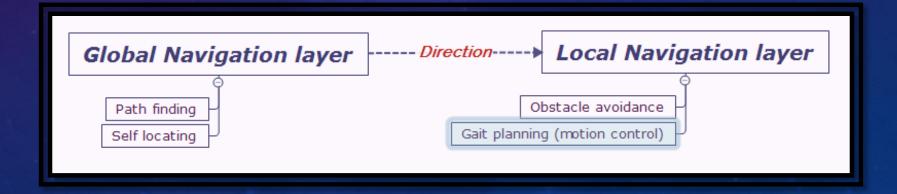
- Extremely simple
- Does not involve distance between the target and the robot
- Joint space very easy to calculate directly



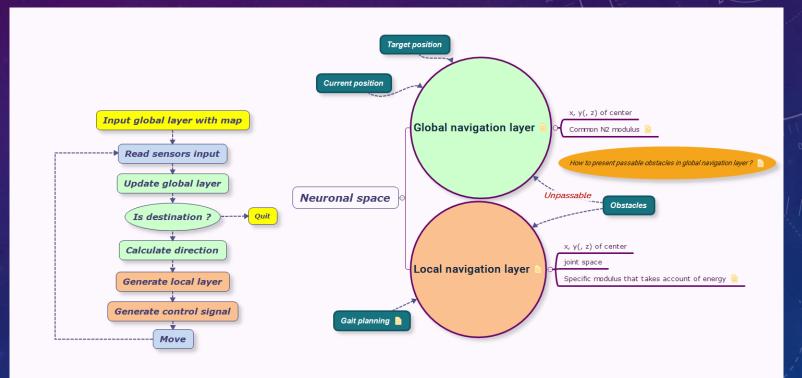
#### POSSIBLE SOLUTION

- Add (x, y, z) dimensions to the neuronal space or only (x, y) as the robot cannot fly, info of z dimension can be calculated
  - 20 or 21 degrees of freedom, the space is grand, and most of them is blank
- Introduce a multi-layer neuronal space
  - High resolution local navigation layer, include joint space in this layer
  - Low resolution global navigation layer, traditional path finding techniques
  - Use a specific modulus to take account of energy and time consumed





### GLOBAL DESIGN



#### WORKSPACE PREPARATION

- Installed Tensorflow (but might not be useful)
- Initiated Git repository (for tracking work and working on different computers)