



## Solution Spaces :

## Joint space

- Easy to go through via points
- (Solve inverse kinematics at all path points and plan)
- No problems with singularities
- Less calculations
- Can not follow straight line

## Cartesian space

- We can track a shape
- (for orientation : equivalent axes, Euler angles,...
- More expensive at run time (after the path is calculated need joint angles in a lot of points)
- Discontinuity problems









































• Multiple robots, moving robots and/or obstacles