1/29/22, 4:43 PM OneNote

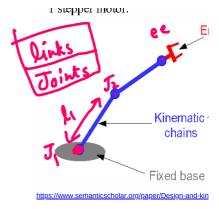
How Robotic Arms Work

Tuesday, 21 September 2021 10:46 AM

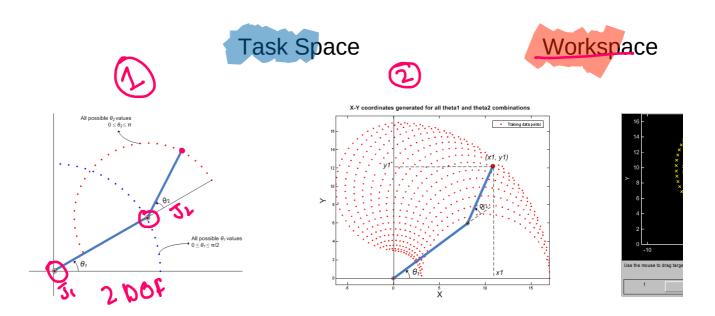
Type of Manipulator

Serial / Chain

Parallel



Yeshmukhametov-Kalimoldayev/84c59267845cb6477c

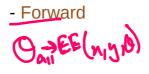


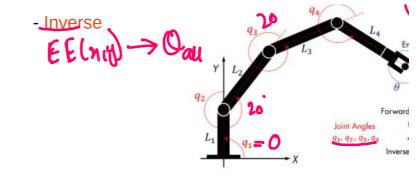
https://www.mathworks.com/help/fuzzy/modeling-inverse-kinematics-in-a-robotic-arm.html

Kinematics

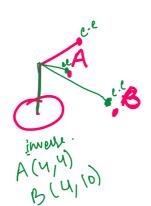


1/29/22, 4:43 PM OneNote

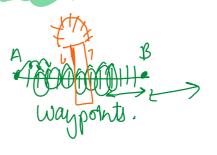




https://www.mathworks.com/discovery/inverse-kinematic



Trajectory Generation



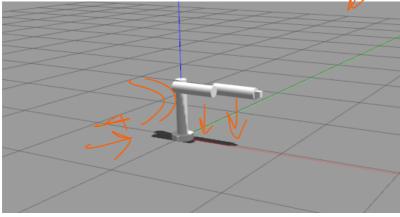
ROS (only simulation

1- Robot Design or download

1/29/22, 4:43 PM OneNote

```
<origin rpy="0 0 0" xyz="0 0 0.025"/>
<inertia ixx="0.0027" iyy="0.0027" izz="0.005" ixy="0" ixz</pre>
```





5- Motion and Trajectory Planning



