

# Experiments

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graph TD; Experiments[Experiments] --> ScenarioI((Scenario I)); Experiments --> ScenarioII((Scenario II)); ScenarioI --> EnvI[Empty Environment<br/>- Init. : (0, 0, 0)<br/>- Goal: (10, 10, pi/2)]; ScenarioII --> EnvII[Empty Environment<br/>- Init. : (10, 10, pi/2)<br/>- Goal: (0, 0, 0)]; EnvI --> ExpI[Exp. 1: Cartesian<br/>Exp. 2: Polar<br/>Exp. 3: Kino-dynamic]; EnvII --> ExpII[Exp. 1: Cartesian<br/>Exp. 2: Polar<br/>Exp. 3: Kino-dynamic];
```

## Scenario I

### Empty Environment

- Init. : (0, 0, 0)
- Goal: (10, 10,  $\pi/2$ )

Exp. 1: Cartesian  
Exp. 2: Polar  
Exp. 3: Kino-dynamic

## Scenario II

### Empty Environment

- Init. : (10, 10,  $\pi/2$ )
- Goal: (0, 0, 0)

Exp. 1: Cartesian  
Exp. 2: Polar  
Exp. 3: Kino-dynamic