# sim\_bidirectional\_rrt

October 18, 2019

### 1 Bidirectional Sampling-Based Motion Planning

#### 1.0.1 Set up workspace

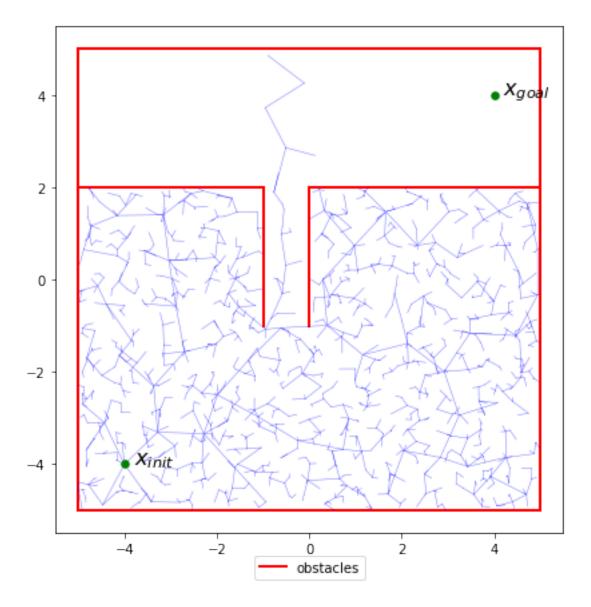
#### 1.1 Normal RRT

On this "bugtrap" problem, normal RRT often will fail to find a find a path.

### 1.1.1 Geometric planning

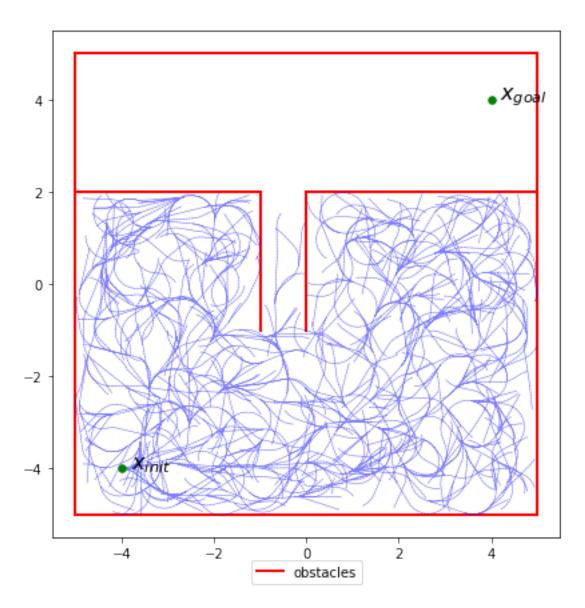
Solution not found!

Out[40]: False



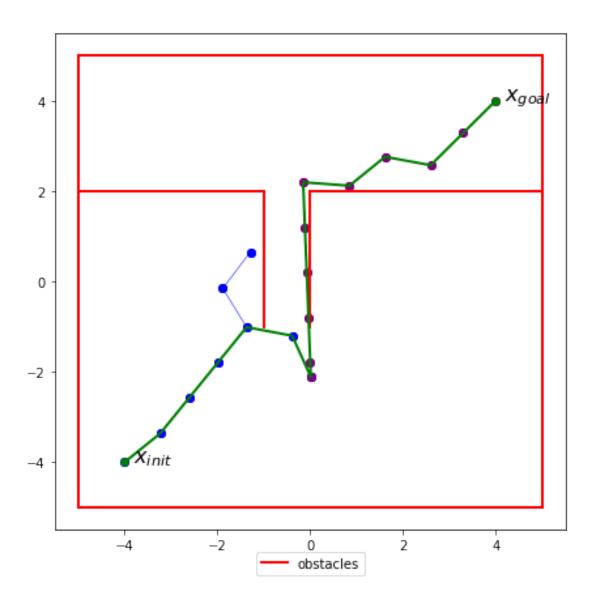
### 1.1.2 Dubins car planning

Out[41]: False



### 1.2 RRTConnect

### 1.2.1 Geometric planning



## 1.2.2 Dubins car planning

