
MAIN FILE

Include files from subdirectories

```
p = genpath('./');
addpath(p);
% Configure initial workspace
o1 = Obstacle([8,0], 2);
o3 = Obstacle([8,8], 2);
o2 = Obstacle([8,-8], 2);
obstacles = [o1; o2; o3];
ws = Workspace(obstacles);
% Initial and final configurations
q0 = Config([0, -0.9273, 0.9273]);
qf = Config([0, 0.9273, -0.9273]);

% Draw initial workspace, start, and goal configs
figure('Position', [10 10 710 969])
ws.draw();
hold on;
q0.draw('black');
qf.draw('black');

% Run RRT-Connect
[result, q_connect, Ta, Tb] = RRTConnect(q0, qf, ws, 10000, 0.5,
    0.01);

% Animate path
path = make_path(Ta, Tb, q_connect);
path.animate(ws, 'blue');
```

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