Benchmark OptimalControl Results \max iter = 1000, tol = 1.0e-8, constr viol tol = 1.0e-6, solver = ma57 Iterations Total Time Model Discretization Ipopt Time Objective Value Flag 5.81684 Solve_Succeeded cart_pendulum 100 237 1.569 1.74413 cart_pendulum 500 495 14.4824 13.888 1.74373 Solve Succeeded 75 robot 100 1.7994 0.5239.14269 Solve Succeeded . . . robot electrical_vehi

124.051

0.343898

0.389479

4.82419

650.147

0.133355

7.86265

0.319346

0.218898

0.780826

1.87301

ducted_fan

steering

steering

glider

glider

rocket

rocket

chain

chain

dielectrophoretic_particle

dielectrophoretic_particle

500

100

500

100

500

100

500

100

500

100

500

163

11

17

230

755

21

77

14

38

38

robot	500	649	24.1909	22.874	9.14099	Solve_Succeeded
electrical_vehicle	100	16	2.21541	0.188	1.22905e6	$Solve_Succeeded$
electrical_vehicle	500	1000	13.9399	13.823	231779.0	Maximum_Iterations_Exceeded
$double_oscillator$	100	5	1.12088	0.109	0.000908244	$Solve_Succeeded$
$double_oscillator$	500	5	0.290609	0.094	0.000910921	$Solve_Succeeded$
$ducted_fan$	100	162	2.72071	1.233	1832.95	$Solve_Succeeded$

123.402

0.042

0.225

3.333

649.668

0.073

7.468

0.039

0.132

0.108

1.743

1831.66

0.554595

0.554572

1254.61

1247.98

1.01283

1.01284

5.06978

5.06858

-9.97699e-9

-9.99545e-9

Solve_Succeeded

Solve_Succeeded

Solve_Succeeded

Solve_Succeeded

Solve_Succeeded

Solve_Succeeded

Solve_Succeeded

Solve_Succeeded

Solve_Succeeded
Infeasible Problem Detected

Infeasible_Problem_Detected