Discretization Iterations Flag Model Total Time Ipopt Time Objective Value 1.88011e-11 LOCALLY INFEASIBLE cart_pendulum 100 16 0.4991610.494cart_pendulum 500 34 97.173 97.154 4.42608e-8 LOCALLY INFEASIBLE 0.837 LOCALLY_SOLVED robot 100 18 0.8435059.14269500 21 LOCALLY_SOLVED robot 0.2515140.2439.14099

0.0350001

0.016

0.00499988

0.0110002

0.886

15.294

0.378

0.095

2.846

16.149

0.0350001

0.422

0.013

0.027

0.0250001

2.659

1.24629e8

6.16023e8

0.014816

0.0728525

1911.53

1909.53

0.554595

0.554572

1254.61

1247.98

1.01283

1.01284

5.06978

5.06858

-9.97699e-9

-9.99545e-9

0.120129

0.0185865

0.0072194

0.012696

0.98826

15.3013

0.382826

0.100468

2.85387

16.2692

0.0359671

0.427043

0.0135139

0.0311655

0.0242983

2.66068

LOCALLY_SOLVED

LOCALLY INFEASIBLE

LOCALLY_INFEASIBLE

electrical_vehicle

electrical_vehicle

double_oscillator

double_oscillator

ducted_fan

ducted_fan

steering

steering

glider

glider

rocket

rocket

chain

chain

dielectrophoretic_particle

dielectrophoretic_particle

100

500

100

500

100

500

100

500

100

500

100

500

100

500

100

500

5

5

59

67

11

17

223

734

19

59

8

39

39

Benchmark JuMP Results max iter = 1000, tol = 1.0e-8, constr viol tol = 1.0e-6, solver = ma57