Modeled Position

Modeled Velocity
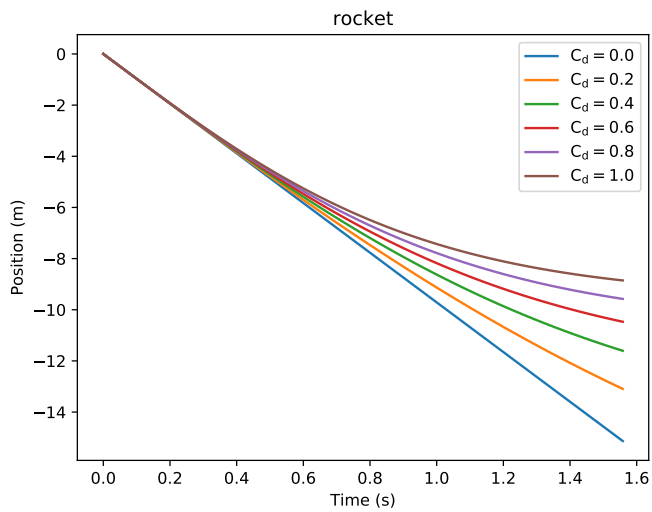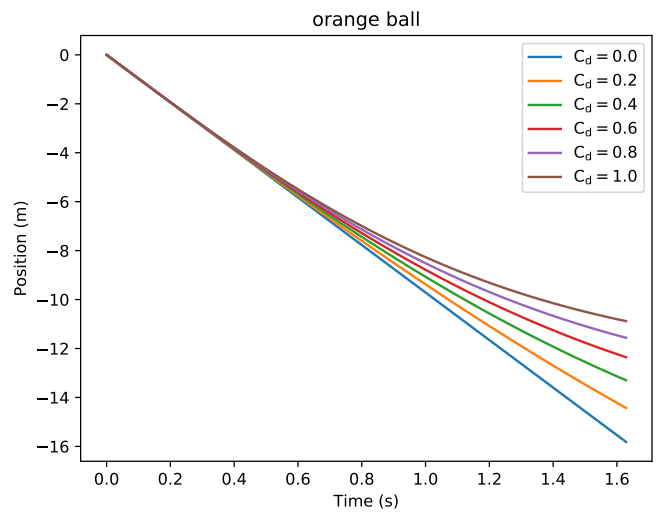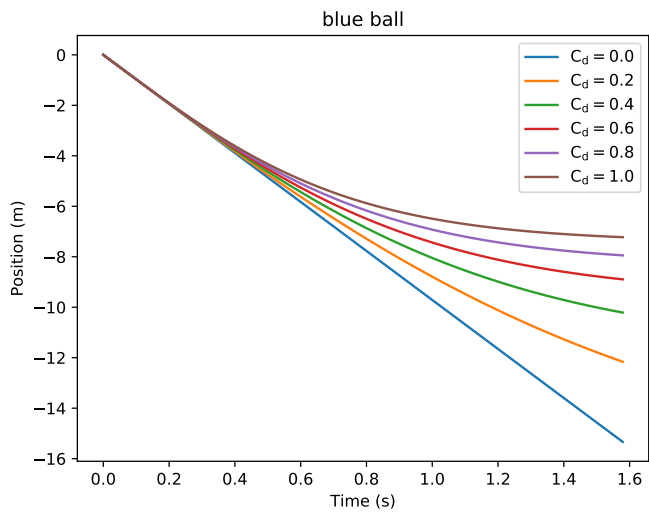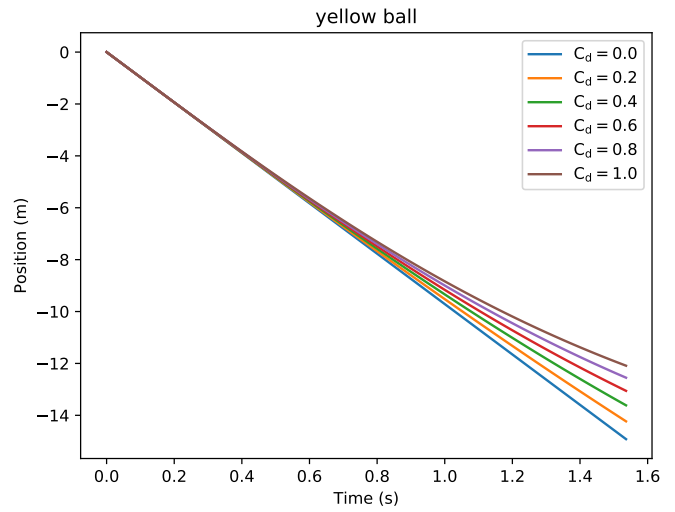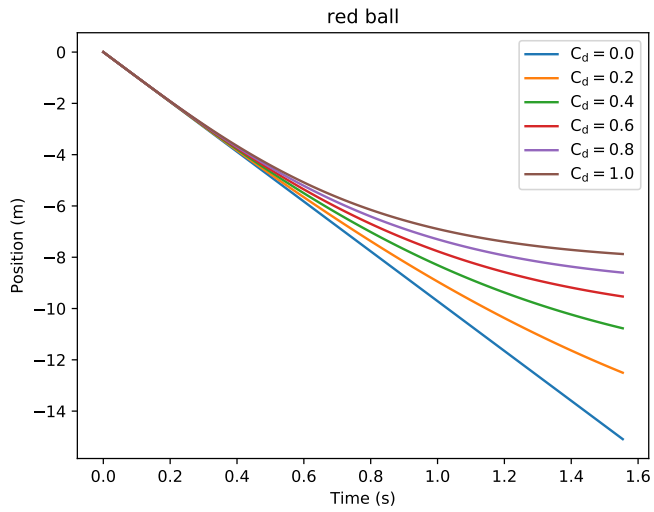
Modeled Acceleration
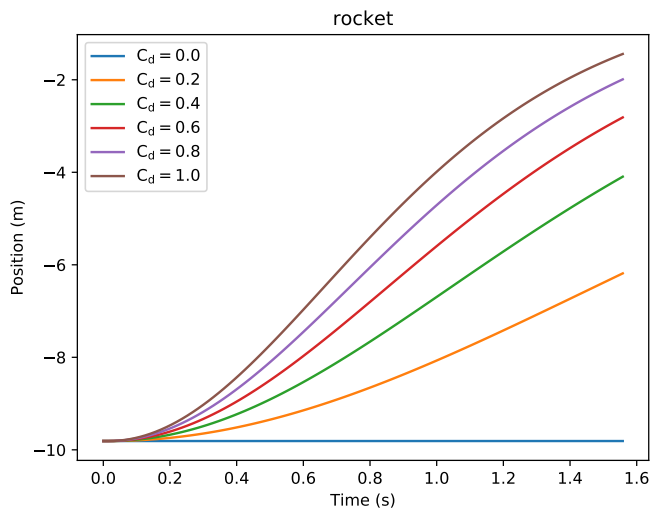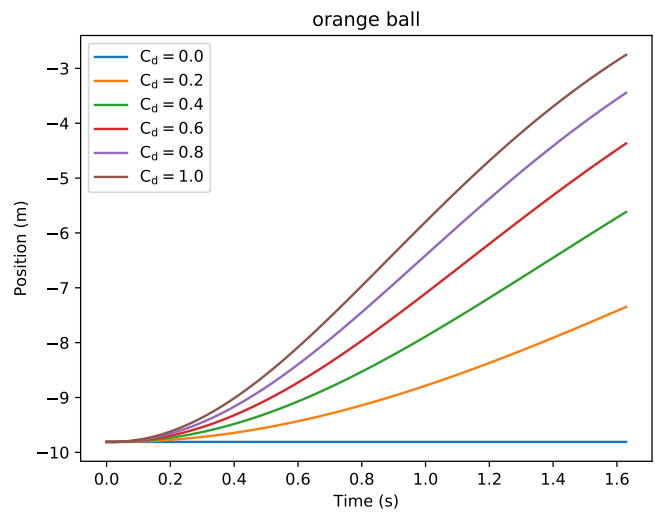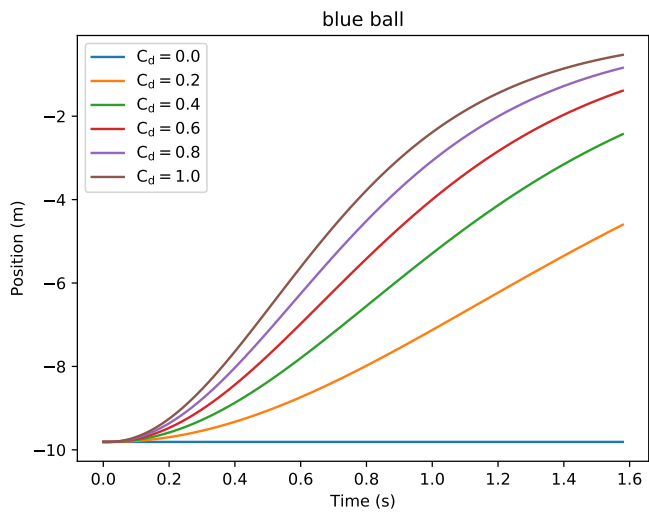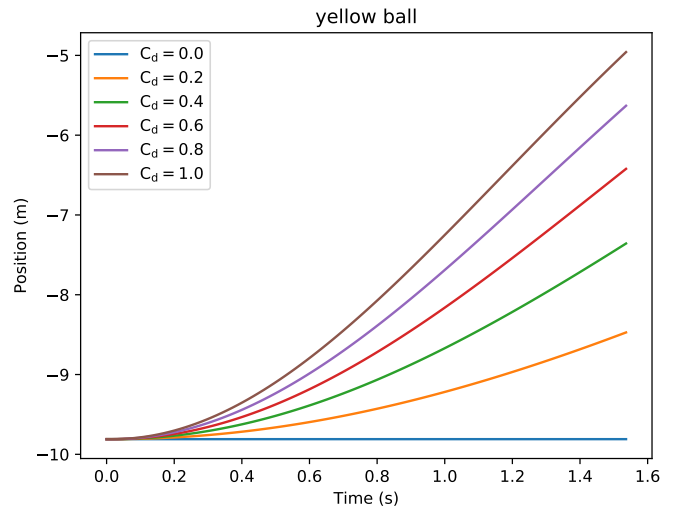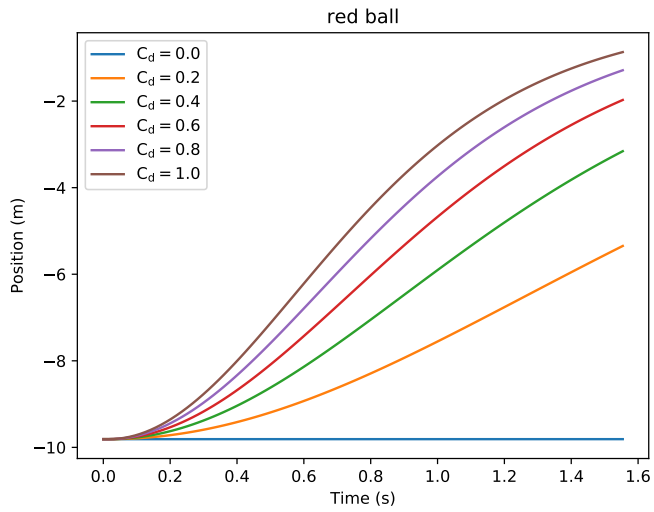
Modeled Drag Force
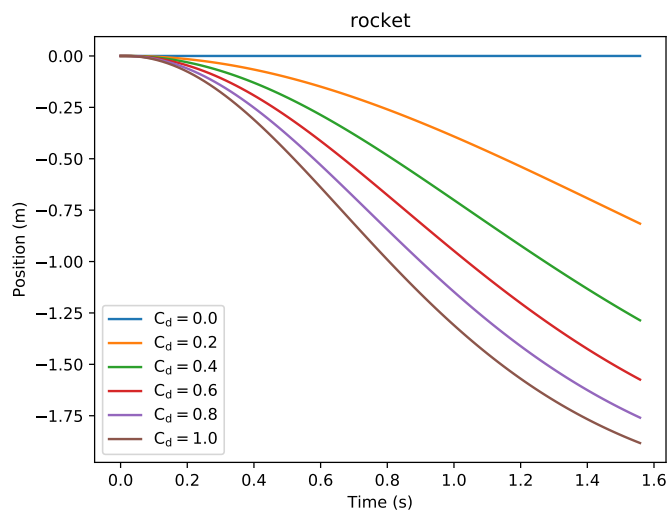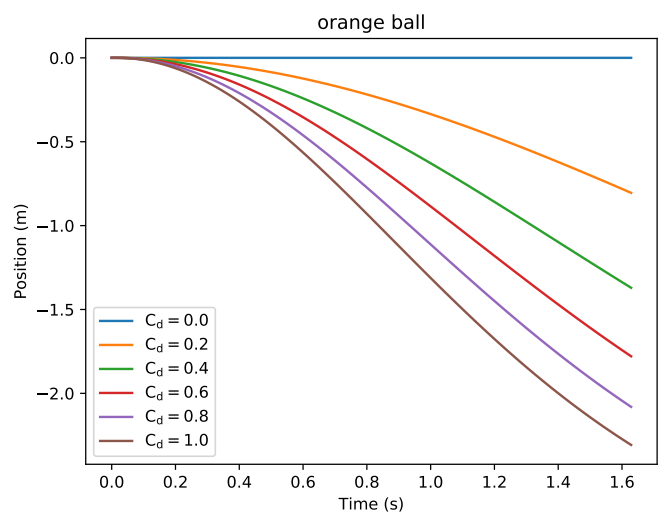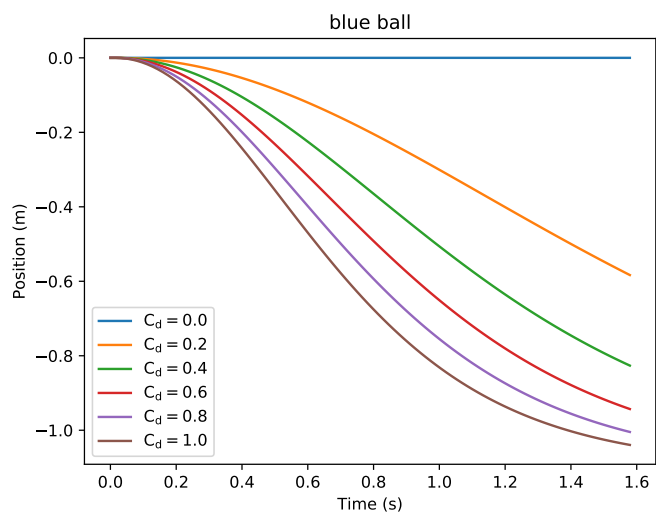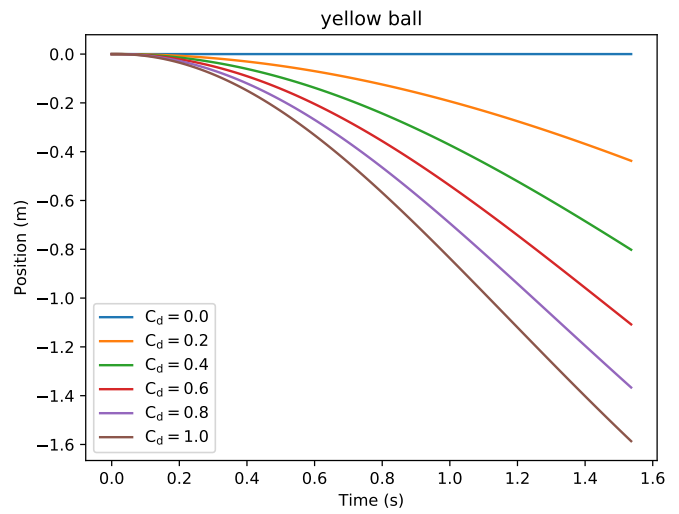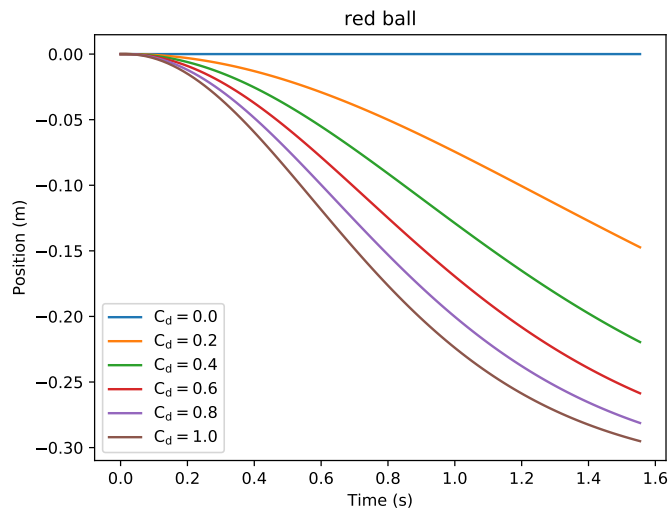
Fitting Routine Forced (Velocity Bounds: [0, 0.001])

redBall forced

- experimental data
- fit: initial velocity=0.000, drag coefficient=0.263

yellowBall forced

- experimental data
- fit: initial velocity=0.000, drag coefficient=0.000

blueBall forced

- experimental data
- fit: initial velocity=0.000, drag coefficient=0.651

orangeBall forced

- experimental data
- fit: initial velocity=0.001, drag coefficient=0.553
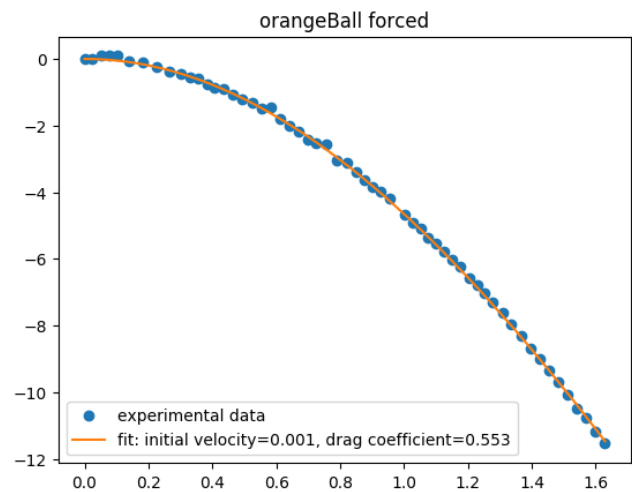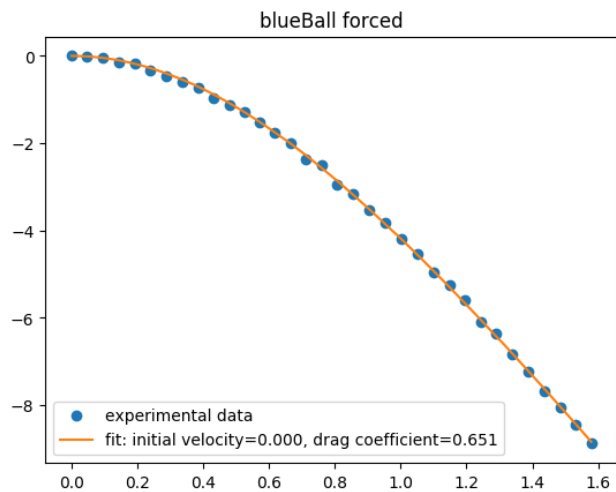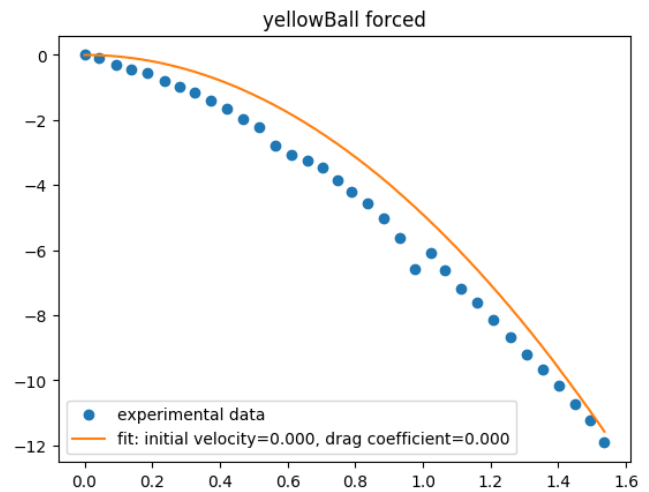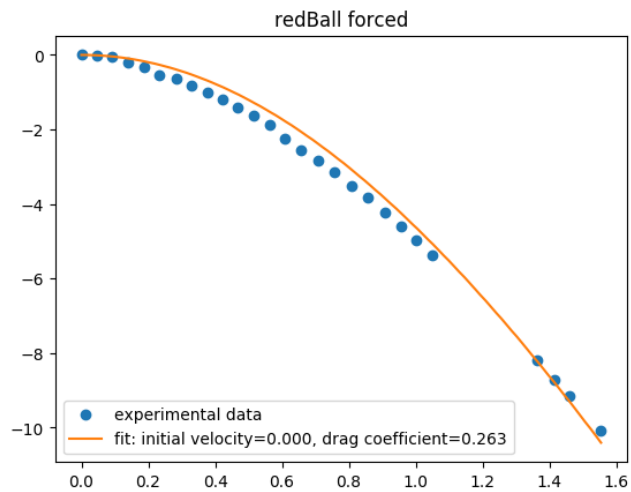
rocket forced

- experimental data
- fit: initial velocity=0.000, drag coefficient=0.000

Fitting Routine Open