

# Introduction to (Mathematical) Optimization

AJ Friend, Nick Henderson  
(w/ material from Stephen Boyd and Steven Diamond)

June 28, 2015

# Optimization

# Optimization

Optimization introducing a **change** to a **system** to achieve a **better (or best) outcome**

# Optimization

**Optimization** introducing a **change** to a **system** to achieve a **better (or best) outcome**

**Optimized** there does not exist a **(known) change** to a **system** to achieve a **better outcome**

# Mathematical Optimization

# The Raptor Problem

See other slides