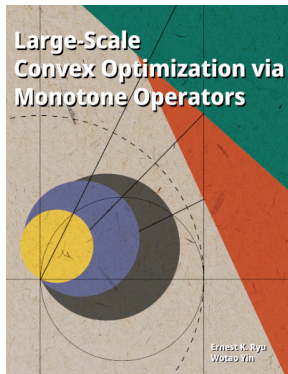## About the Lecture Slides

Ernest K. Ryu and Wotao Yin

Large-Scale Convex Optimization via Monotone Operators

We made these lecture slides for our book

It will be published by Cambridge University Press by the end of 2022.

About the book

- ▶ It presents a unified analysis of many convex optimization algorithms through the abstraction of monotone operators

- ▶ The approach allows us to efficiently derive and analyze a large number of optimization algorithms with a streamlined analysis

- ▶ It is meant for both mathematicians (with elegant abstractions and challenging exercises) and engineers (with technical simplicity and utilities).

About the slides

Our goal is to provide a useful resource for students and researchers who want to self-study the book and for instructors who want to incorporate the book into their courses.

The source files of the slides for all chapters (once completed) are available for download.

Links

The book is published by Cambridge University Press [add link].

An PDF copy of the book can be downloaded from
`http://large-scale-book.mathopt.com`.

The lecture videos are on YouTube.