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Title

An Introduction to Optimal Control Problems in Life Sciences and Economics : From Mathematical Models to Numerical Simulation with MATLAB®

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Publication

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Series

([Modeling and Simulation in Science, Engineering and Technology](#))

Subject category

Mathematical Physics and Mathematics

Abstract

Combining control theory and modeling, this textbook introduces and builds on methods for simulating and tackling concrete problems in a variety of applied sciences. Emphasizing "learning by doing," the authors focus on examples and applications to real-world problems. An elementary presentation of advanced concepts, proofs to introduce new ideas, and carefully presented MATLAB(R) programs help foster an understanding of the basics, but also lead the way to new, independent research. With minimal prerequisites and exercises in each chapter, this work serves as an excellent textbook a

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