

# Download Optimal Control

Optimal control theory deals with the problem of finding a control law for a given system such that a certain optimality criterion is achieved. It is an extension of the calculus of variations, and is a mathematical optimization method for deriving control policies. Optimal Control Systems Inc. was incorporated in 1984 as a full service industrial electrical control and systems business. We provide services in electrical distribution, automation, controls and variable frequency drive systems. GPOPS-II: Next-Generation Optimal Control Software. GPOPS-II is the next-generation of general purpose optimal control software. GPOPS-II is a new MATLAB software intended to solve general nonlinear optimal control problems (that is, problems where it is desired to optimize systems defined by differential-algebraic equations). This research monograph, first published in 1978 by Academic Press, remains the authoritative and comprehensive treatment of the mathematical foundations of stochastic optimal control of discrete-time systems, including the treatment of the intricate measure-theoretic issues. - Optimal Control