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Control system engineers use MATLAB® and Simulink® at all stages of development – from plant modeling to designing and tuning control algorithms and supervisory logic, all the way to deployment with automatic code generation and system verification, validation, and test. MATLAB and Simulink offer: A multi-domain block diagram environment for modeling plant dynamics, designing control ...The Control System Toolbox is a MATLAB product for modeling, analyzing, and designing control systems. The functions in this toolbox implement classical and modern control techniques. The official home of MATLAB software. MATLAB is the easiest and most productive software environment for engineers and scientists. Try, buy, and learn MATLAB. TrueTime is a Matlab/Simulink-based simulator for real-time control systems. TrueTime facilitates co-simulation of controller task execution in real-time kernels, network transmissions, and continuous plant dynamics. Features of the simulator include. Simulation of complex controller timing due to code execution, task scheduling, and wired/wireless network communication. - Matlab Control Systems Engineering