

EECE-603: Control Theory

State variable description of dynamic systems, solutions of differential and difference equations by transition matrix, controllability and observability of linear systems, perturbation of nonlinear systems, stability of nonlinear systems, Liapunov's direct method, realization of transfer matrices by state equations, state and output feedback, pole assignment using state and output feedback reconstruction of state from output.

Credits: 3

Program: Electric & Computer Engineering