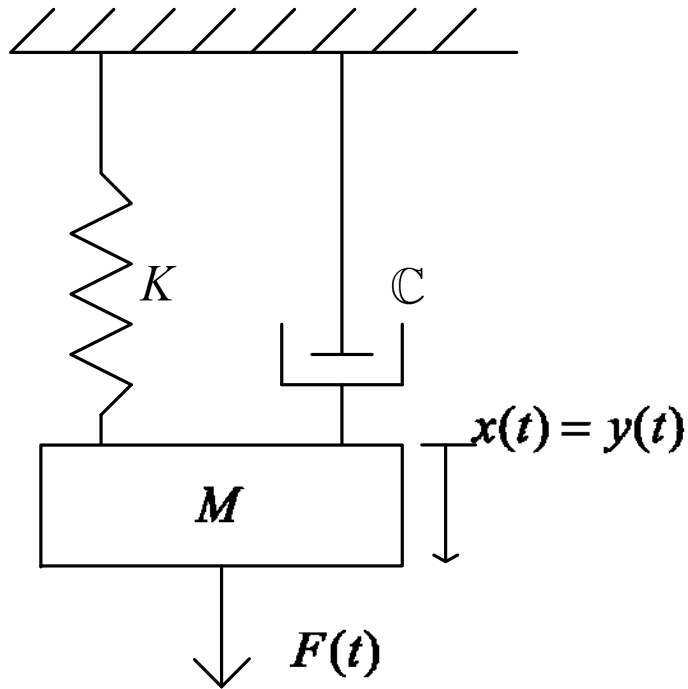


Robust and Optimal Control

A Two-port Framework Approach

Robust Control Example -Normalized Coprime Factorization

Q: Finding the normalized decomposition of MBK system



$$M = 1Kg$$

$$C = 0Ns / m$$

$$K = 2N / m$$

$$M \ddot{x} + C \dot{x} + Kx = F$$

This is an unstable system without damper.

First step: Find the state space formula by LFT

