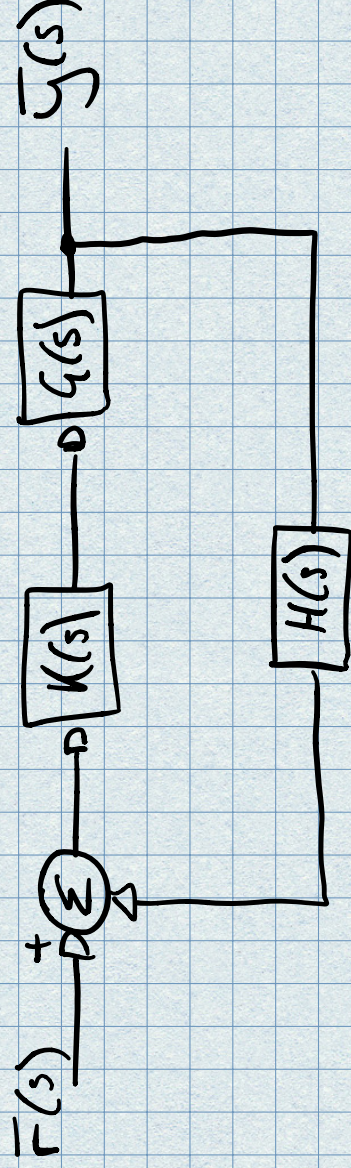


Control System Design

From Theory to Practice



Part I: Introduction

Overview

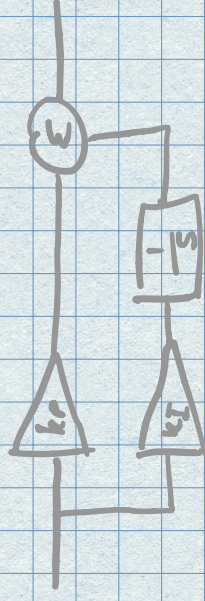
① Mathematical Modelling

② Controller Design

③ Simulation

④ Real-World Implementation

$$\therefore \ddot{\Theta} + \alpha \dot{\Theta} = \beta v_1 - \gamma \dot{v}_2$$



Mechanical,

Electrical

Software

"Pre-requisites"

→ Fundamental engineering mathematics.

→ A bit of control theory.

(Recommended watching: Brian Douglas on YouTube)

→ Other than that... interest!

See you in the next video on...

Mathematical Modelling of Dynamic Systems

(it's more fun than it sounds...)