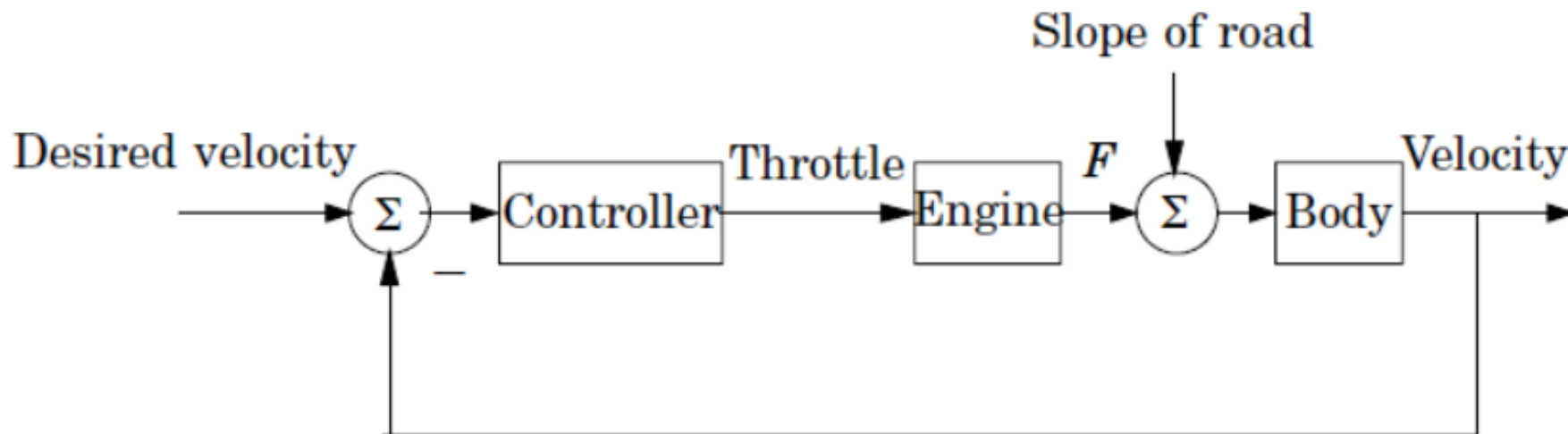
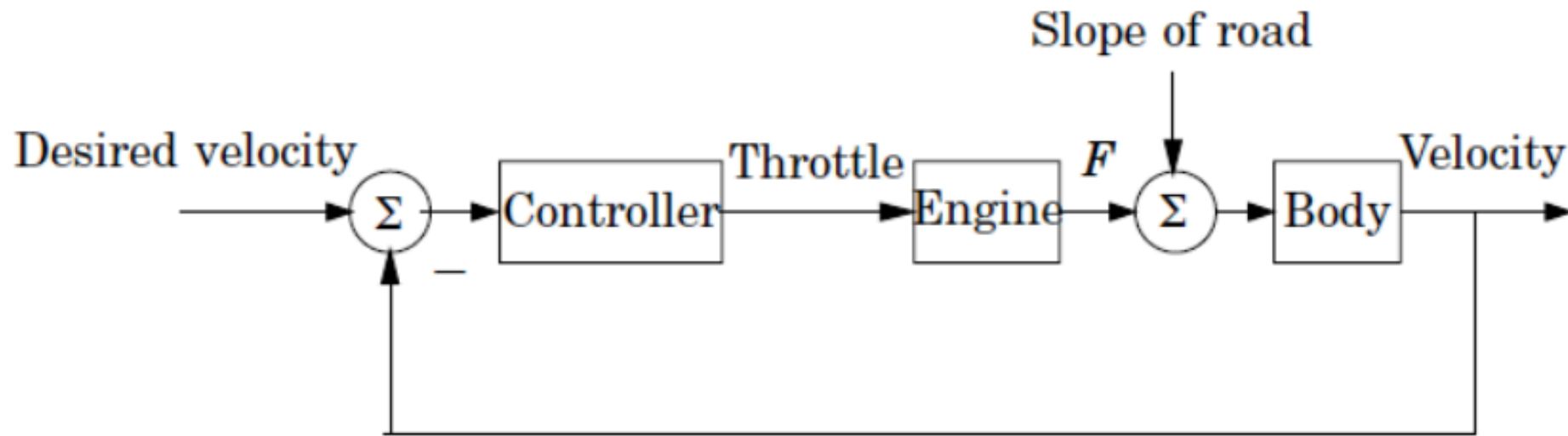


ME528 Control Systems Design

Semester 1 project

Automotive Cruise Control Design Analysis





This is the *functional* block diagram of a cruise control scenario for a car. The objective of this project is to turn this diagram into mathematically formal control system block diagrams, incorporating seven different controllers, the car dynamics, any disturbance that is operative, and an appropriate feedback loop. The secondary objective is then to explore the performance of the cruise controllers numerically, then to select the best one and assess it for stability.

