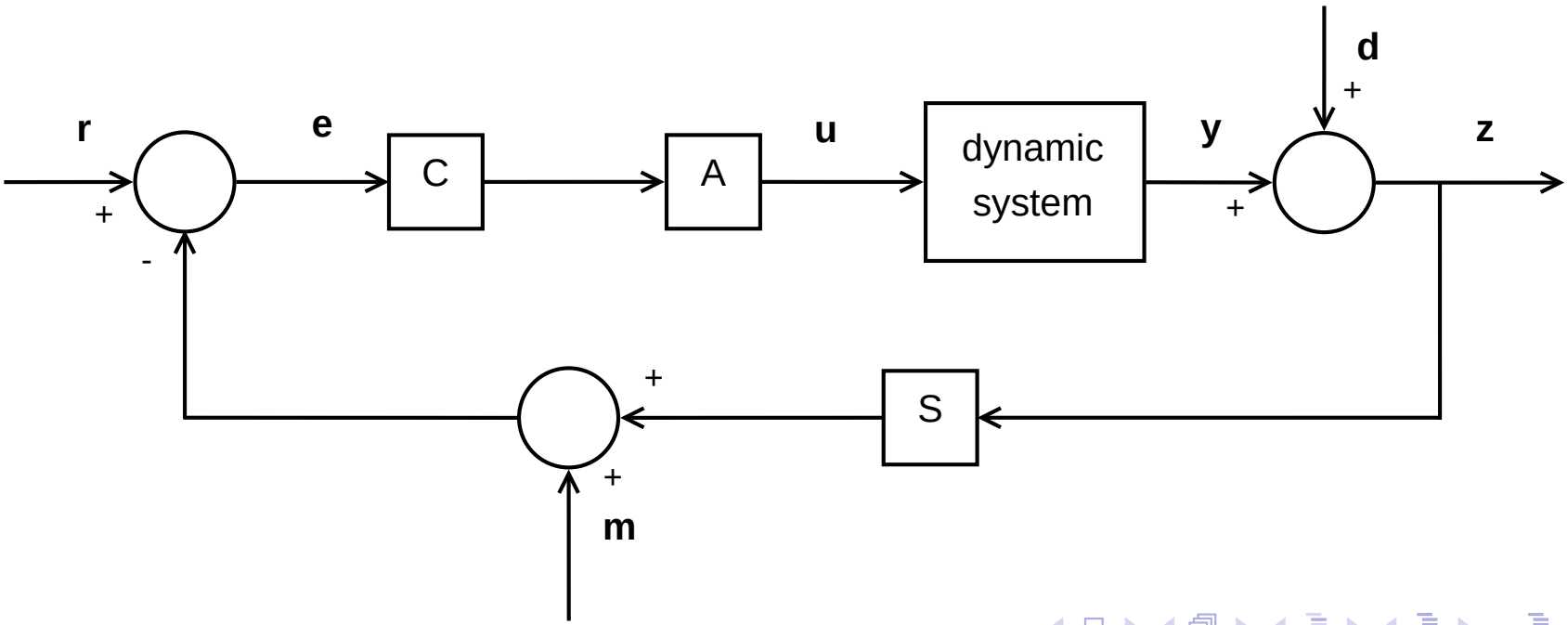
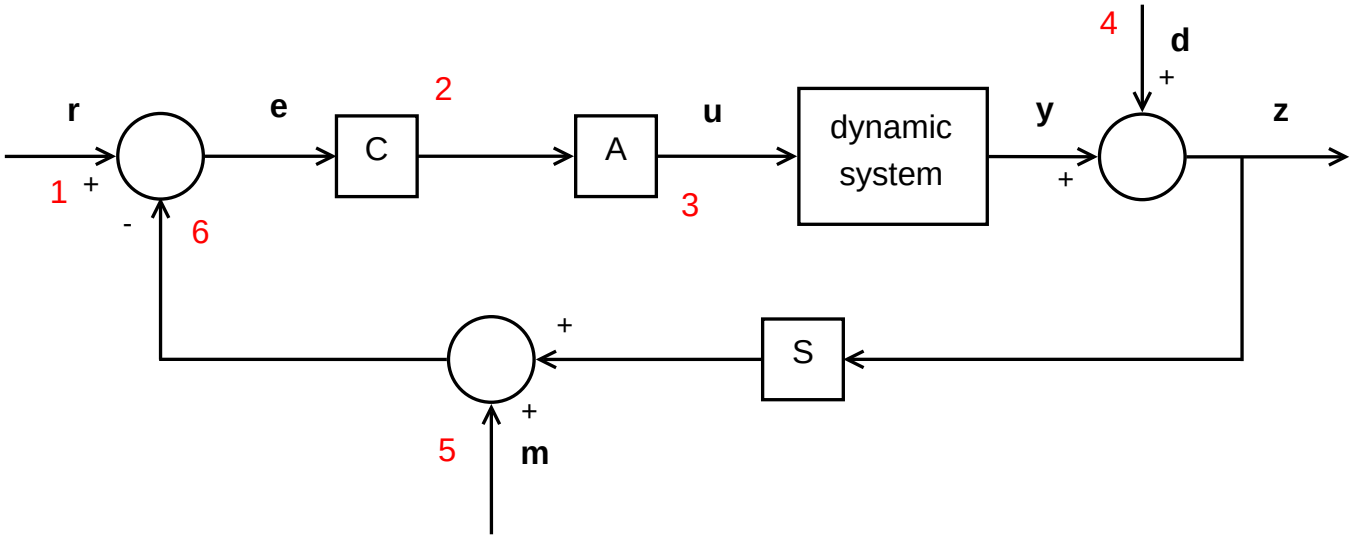
Outline

Control theory

Control theory deals with the behavior of dynamical systems and how their behavior is modified by feedback.
The output is compared to the reference signal and this *'error'* is used by the controller to adjust the system.



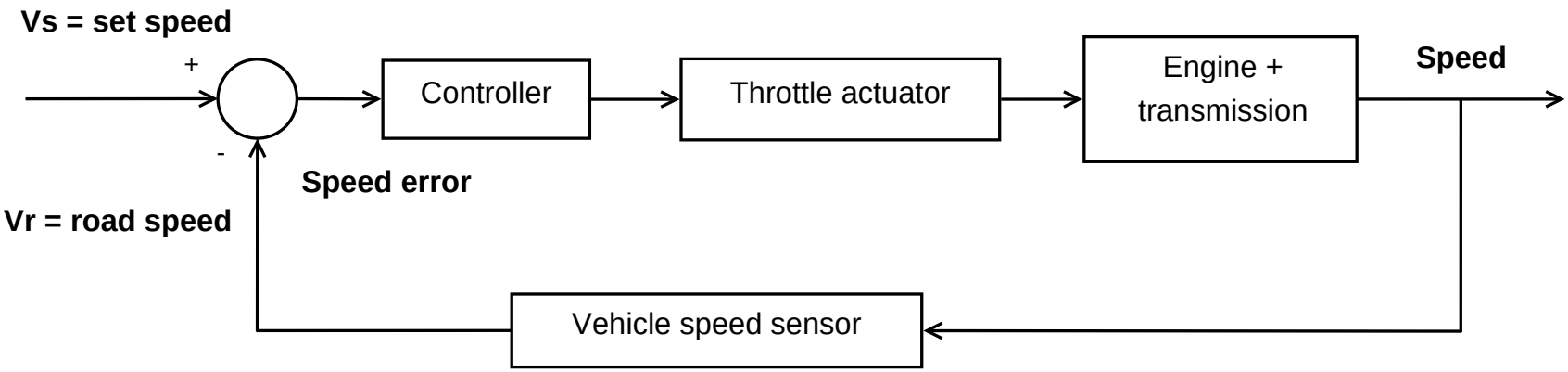
Control theory



1. reference signals: the desired output signals
2. Controller
3. Actuators
4. Noise
5. Measurement noise
6. Negative feedback

Example

Speed control system



Example

Temperature control system