

# Topics

1. Block diagrams
2. Open-loop control, plant inversion
3. Steady-state and transient requirements
4. DC motors: their modeling and control
5. Closed-loop control
6. Signals and systems in frequency domain
7. Internal stability
8. Root locus method
9. Nyquist stability criterion
10. PID controllers and their tuning
11. Basic loop shaping and stability margins