

**ECE451/551**  
**HW Problems from Chapter 9 of Stefani**

**Problems:**

- 1) FSF (full state feedback), steady state output: 1b
- 2) ROE (reduced order estimator): 2a, b
- 3) FOE (full-order estimator): 3a
- 4) ROE (reduced order estimator): 4a, 10

**Drill Problems:**

- 1) FSF: D9.2a, b (pages 636 and 637)
- 2) Integral control: D9.3 and D9.4 (page 639)
- 3) FOE: D9.5 (pages 642-644) also, D9.6 and D9.7 (page 649)
- 4) ROE: D9.8, D9.9 (pages 656-657)