

- Steady
- Mode 1: $\sigma = -1.81 \pm 0.0585i$ rad/s
- Mode 2: $\sigma = -0.0668 \pm 0.407i$ rad/s
- Mode 3: $\sigma = -0.248 \pm 1.14i$ rad/s
- Mode 4: $\sigma = -0.641 \pm 1.69i$ rad/s
- Mode 5: $\sigma = -7.03 \pm 2.55i$ rad/s

