

- Steady
- Mode 1: $\sigma = -1.8 \pm 0.057i$ rad/s
- Mode 2: $\sigma = -0.0801 \pm 0.39i$ rad/s
- Mode 3: $\sigma = -0.249 \pm 1.19i$ rad/s
- Mode 4: $\sigma = -0.599 \pm 1.63i$ rad/s
- Mode 5: $\sigma = -6.97 \pm 2.09i$ rad/s

