

- Steady
- Mode 1: $\sigma = -0.05 \pm 0.05i$ rad/s
- Mode 2: $\sigma = -0.0268 \pm 0.39i$ rad/s
- Mode 3: $\sigma = -4.03 \pm 0.61i$ rad/s
- Mode 4: $\sigma = -0.443 \pm 0.84i$ rad/s
- Mode 5: $\sigma = -1.57 \pm 2.06i$ rad/s
- Mode 6: $\sigma = -6.31 \pm 3.94i$ rad/s

