Initial angular position plotted against damping coefficient 2π No stability Bottom equilibrium Top equilibrium  $\frac{5\pi}{3}$  $\frac{4\pi}{3}$ π  $\frac{2\pi}{3}$  $\frac{\pi}{3}$ 0 0.2 0.0 0.4 0.6 8.0 1.0

 $b_m$