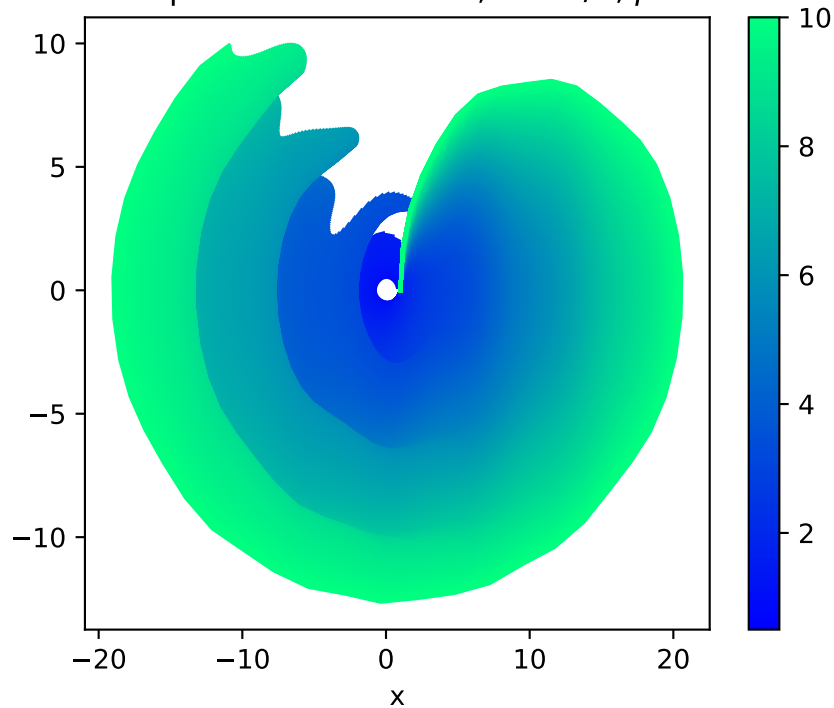
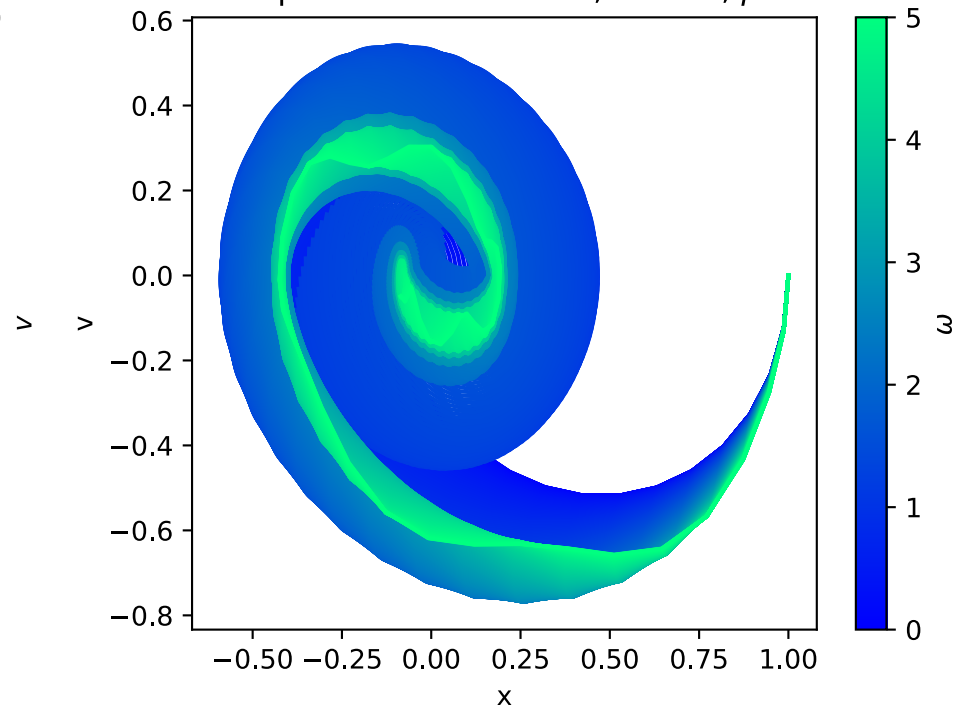


Excited damped mathematical oscillator, $x'' + \beta x' + \sin(x) = v \cos(\omega t)$, RK45

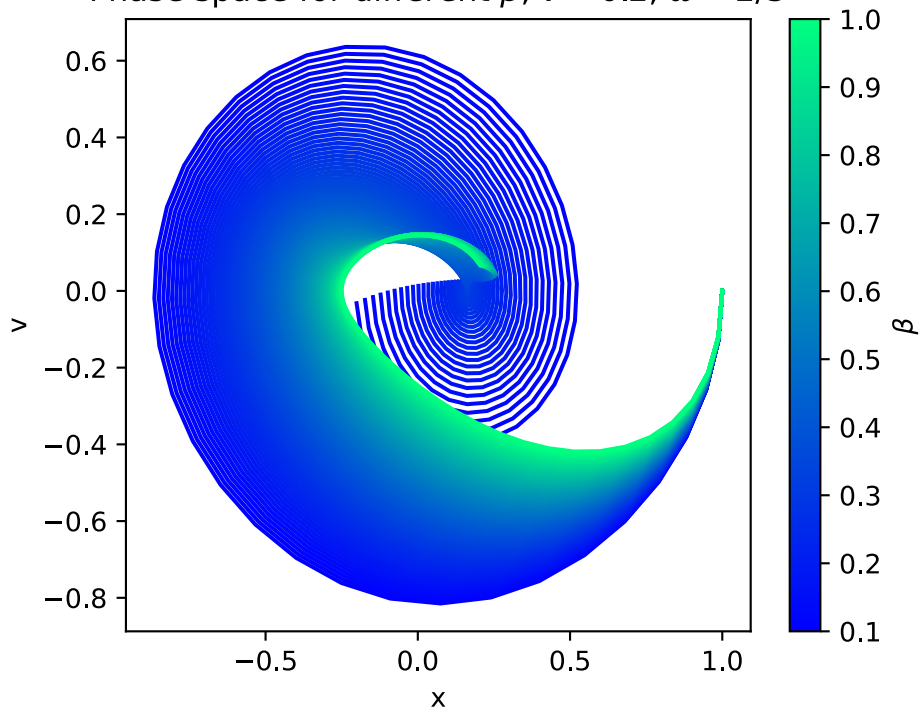
Phase space for different v , $\omega = 2/3$, $\beta = 0.5$



Phase space for different ω , $v = 0.2$, $\beta = 0.5$



Phase space for different β , $v = 0.2$, $\omega = 2/3$



Resonance curve

