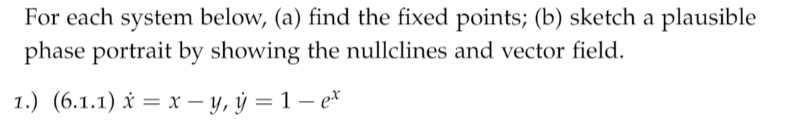
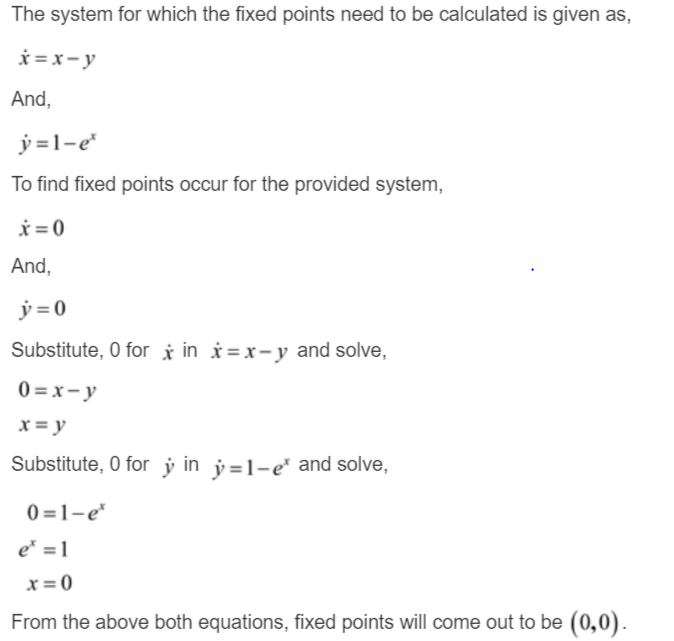
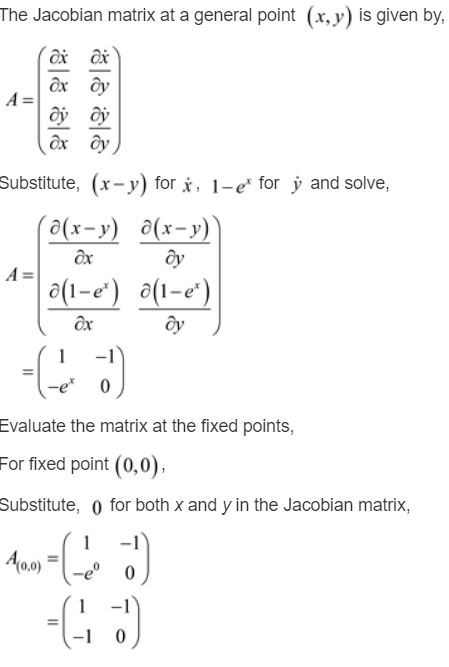
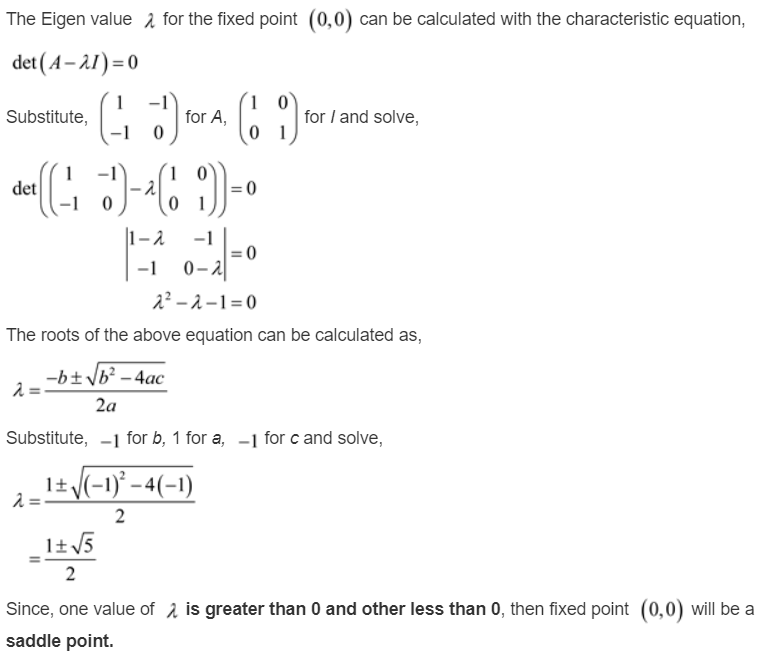




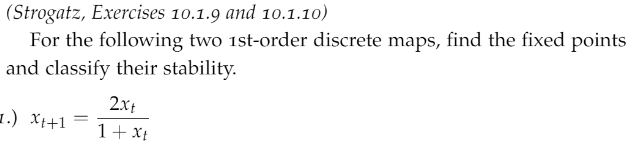
Trace(τ)=sum of diagonal, det(Δ)=ad-bc

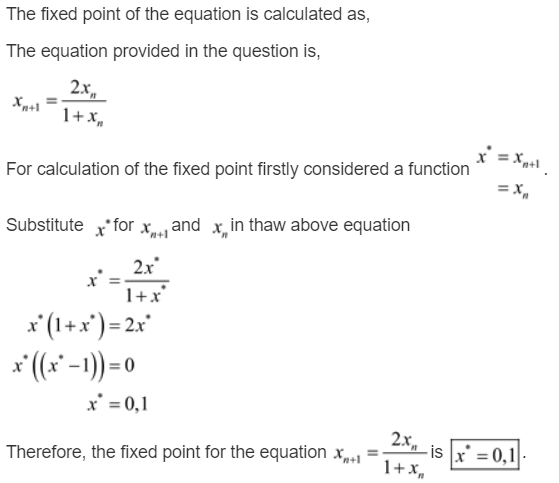
 

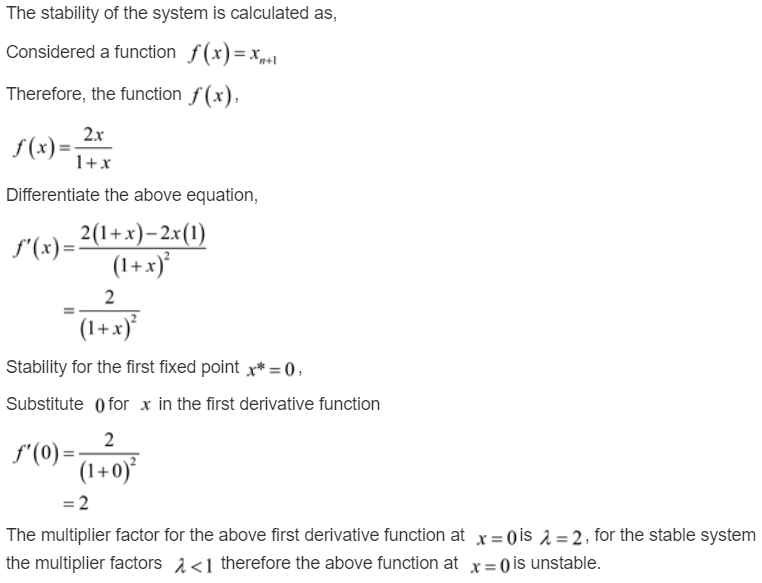


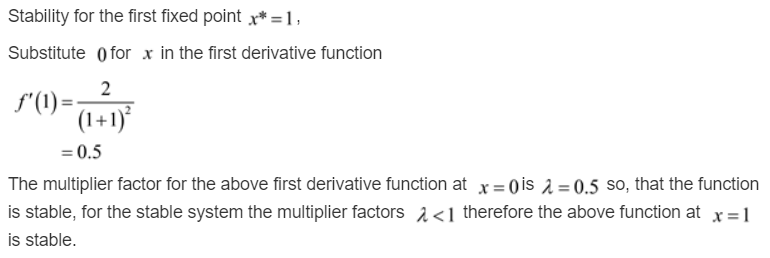


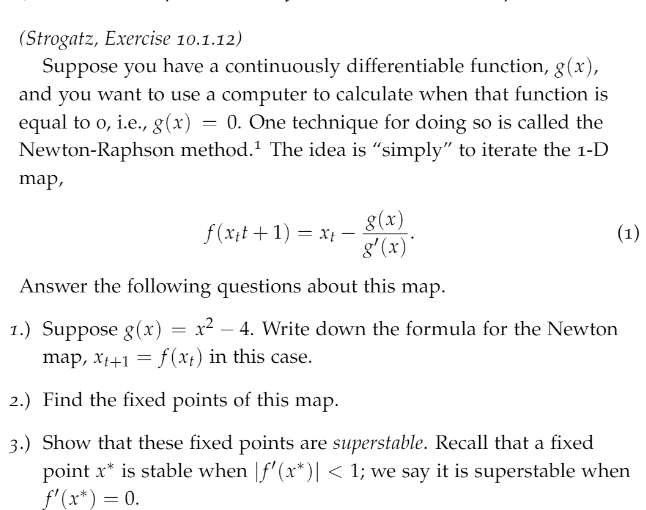


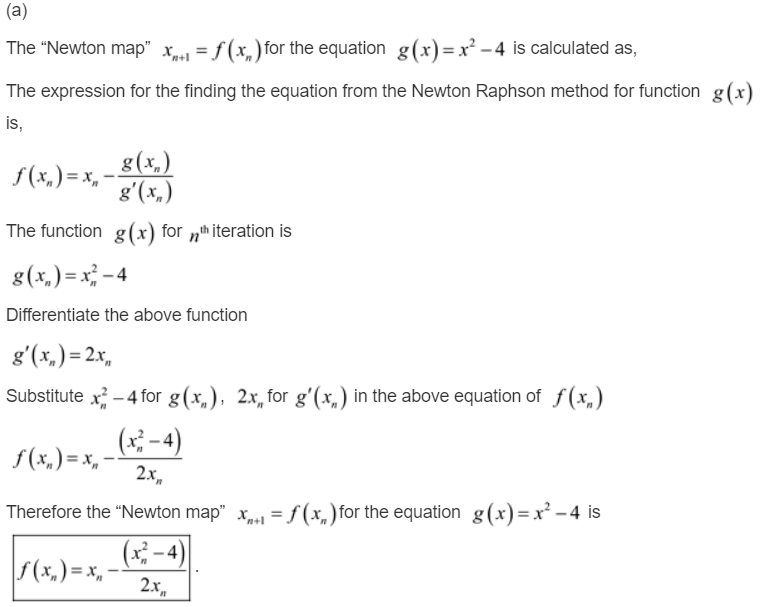


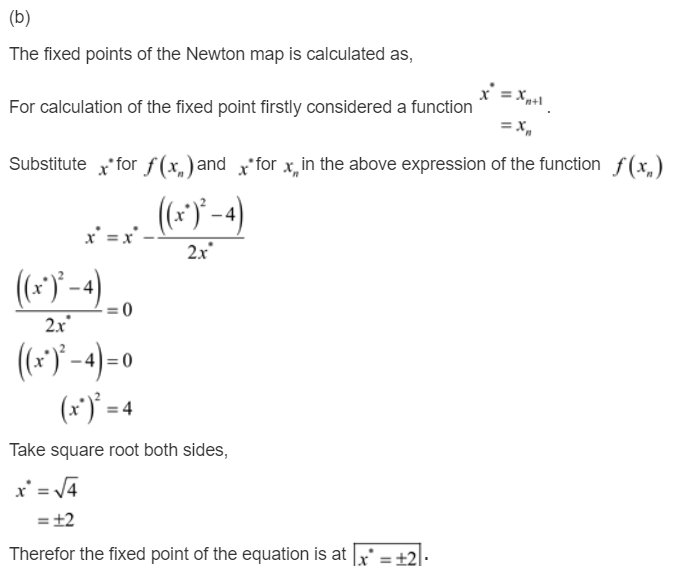


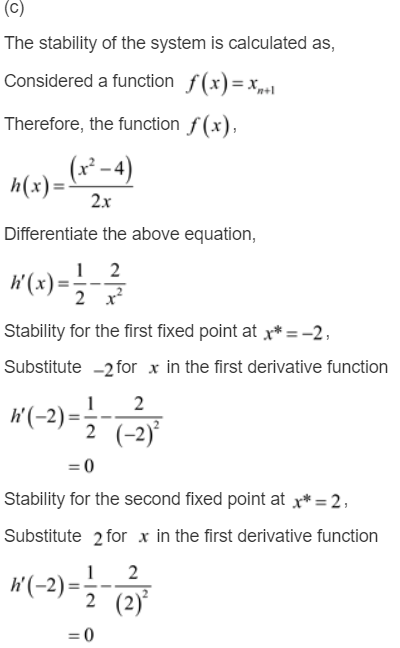


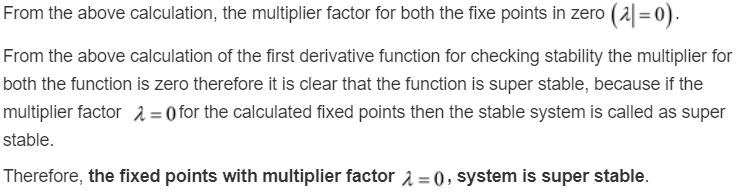


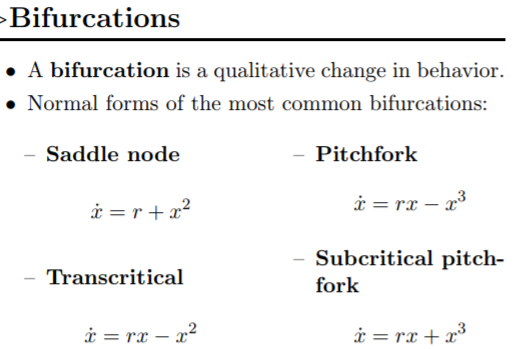




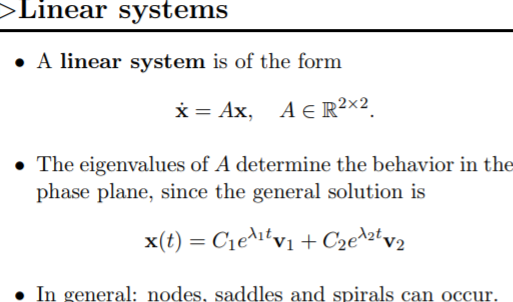


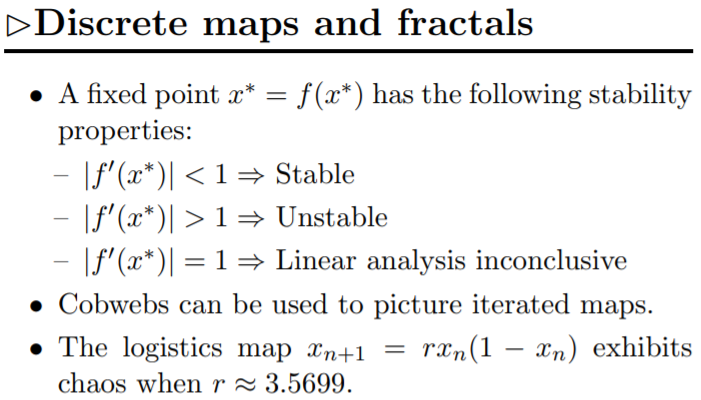




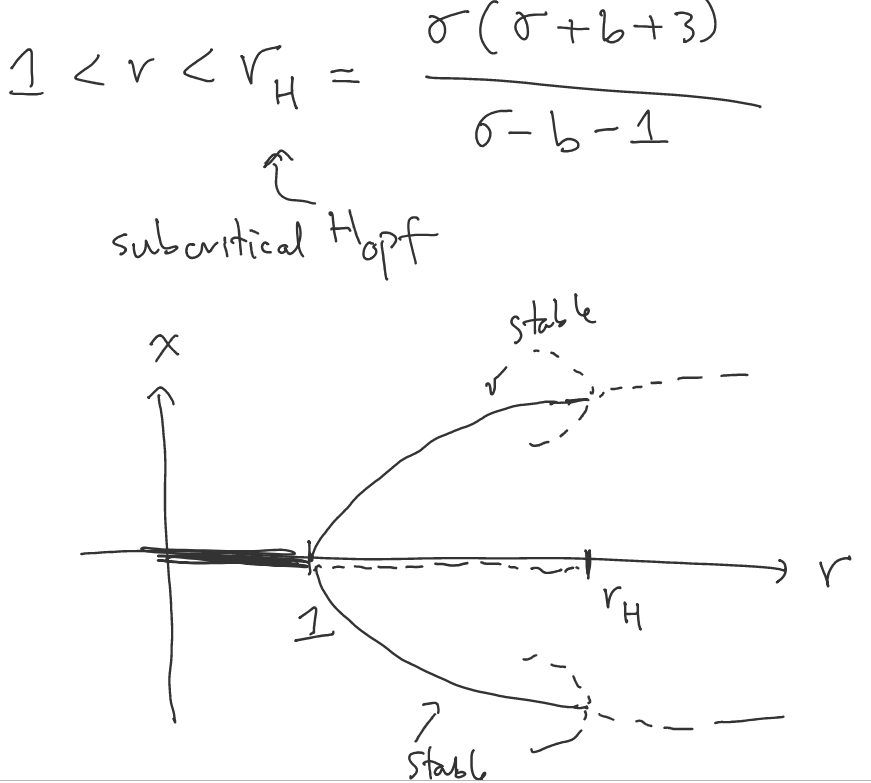


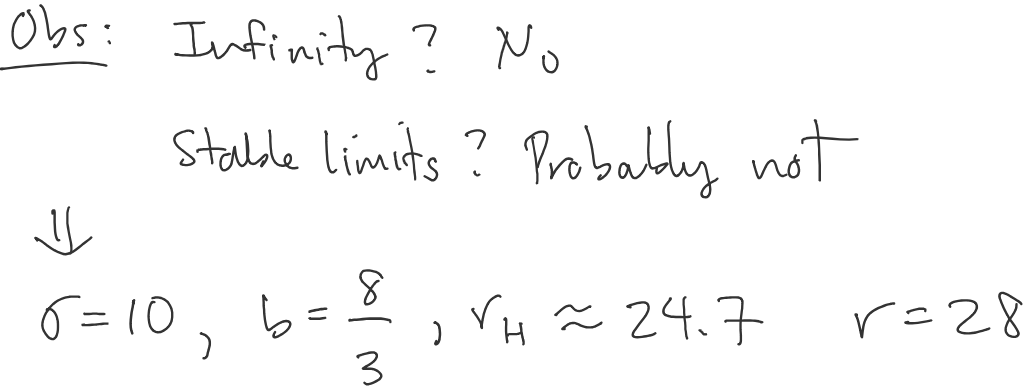
**Supercritical: x’ = rx-x^3**

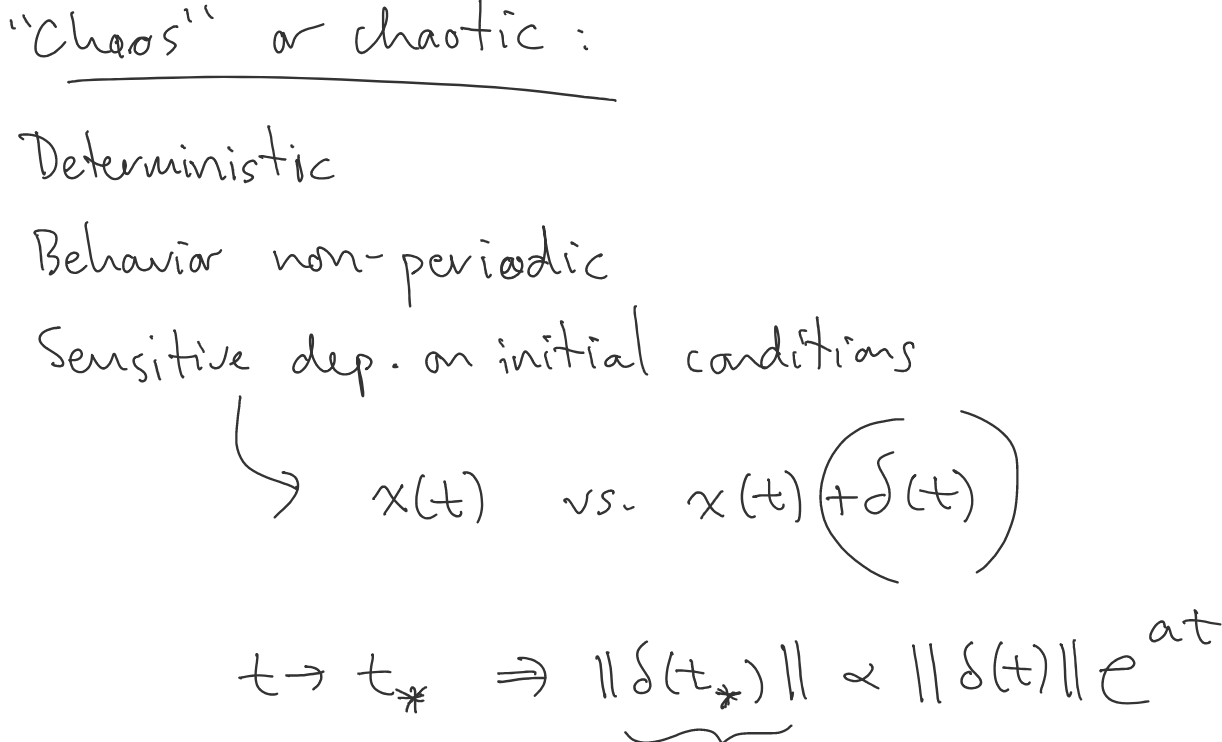


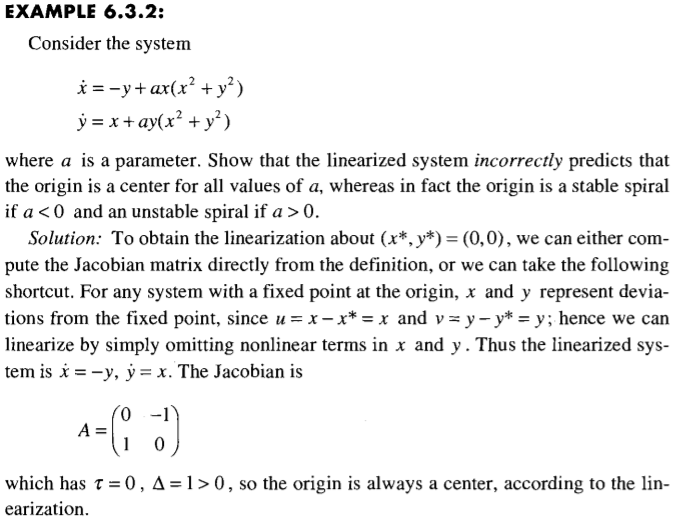


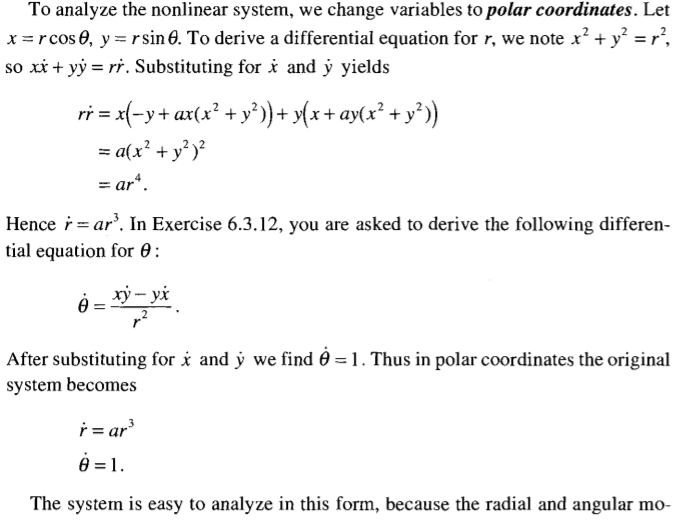
Lorenz System

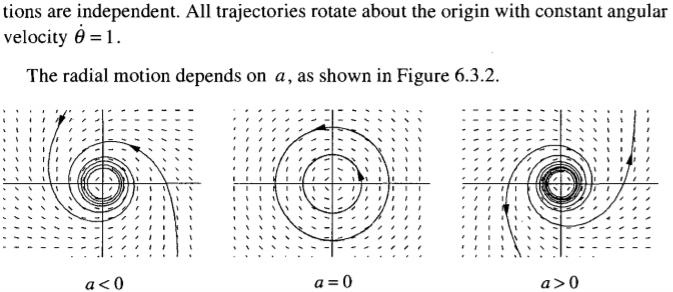


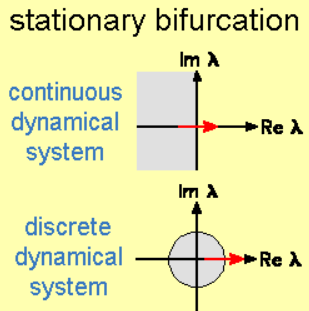


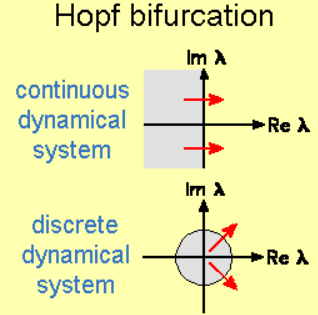


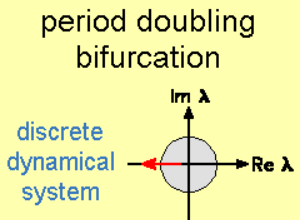


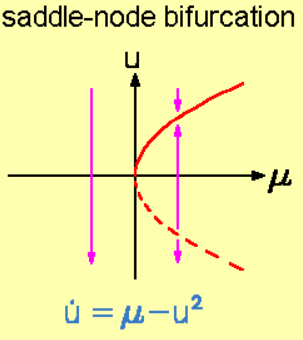


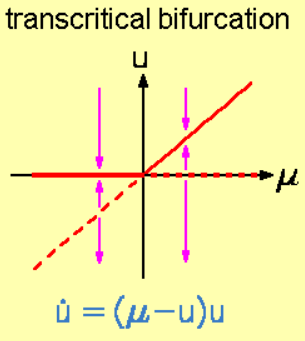


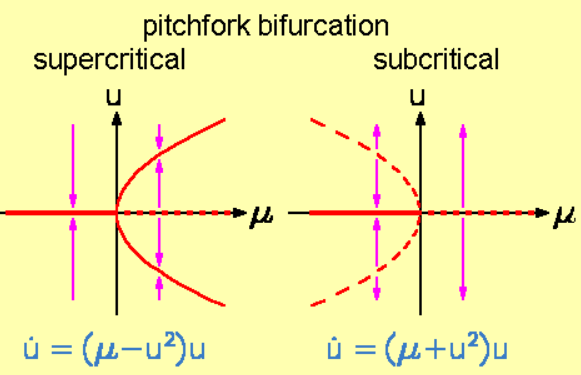


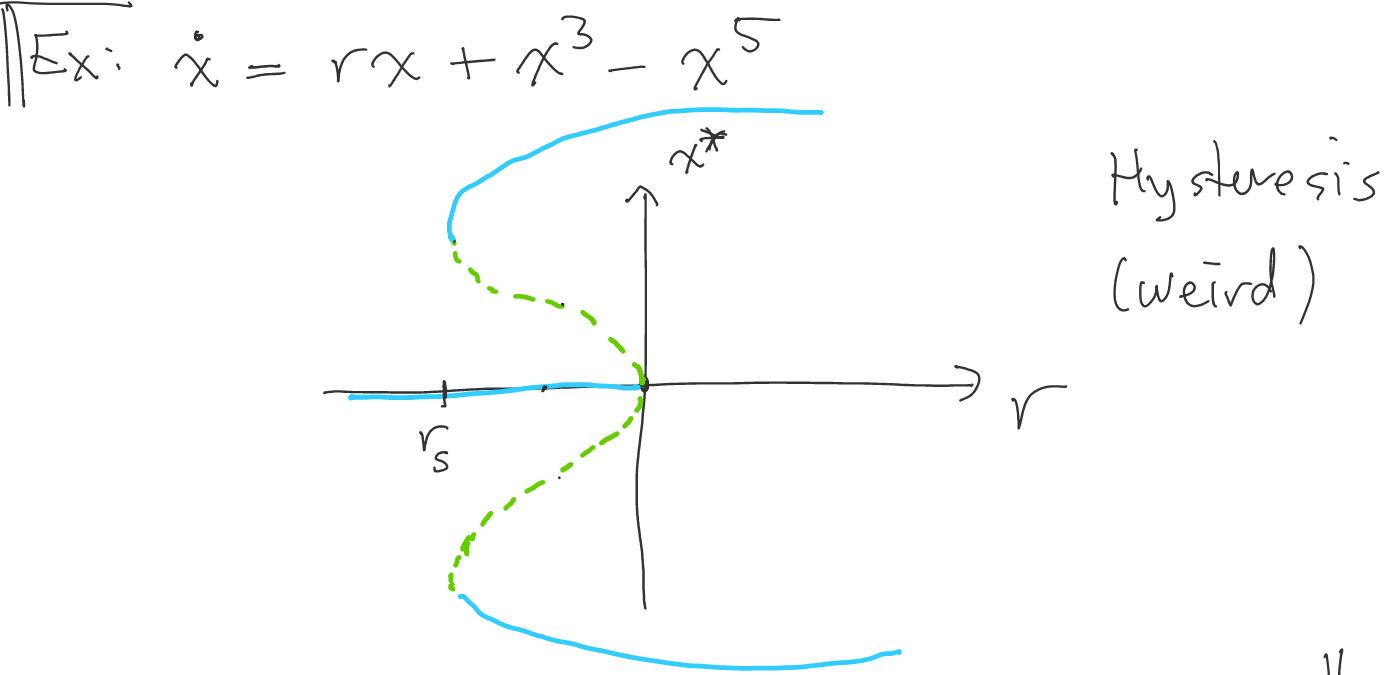


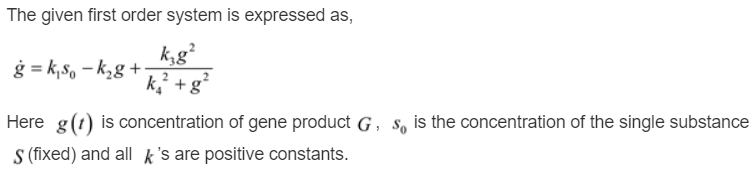


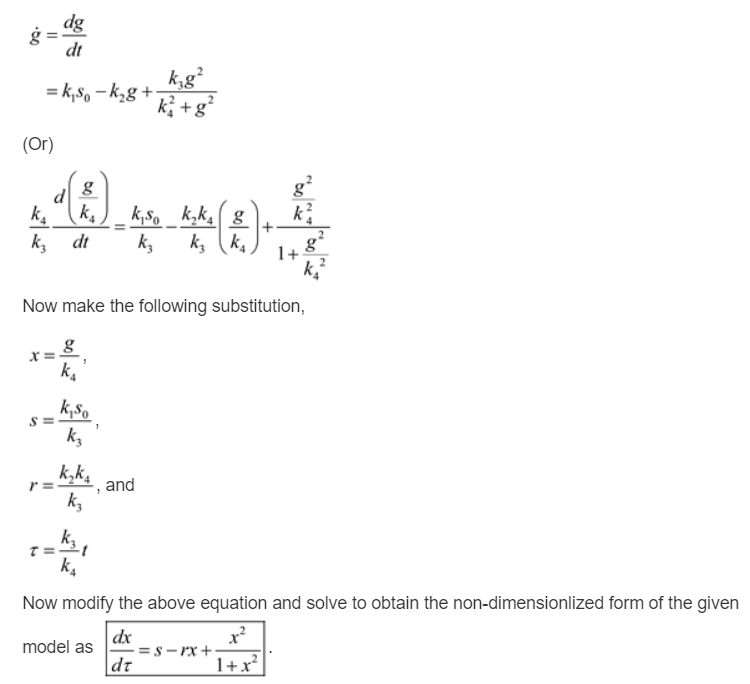












Fixed point when x\_dot = 0

Greatest velocity: max(x\_dot)

Vector on x\_dot vs x: right when x\_dot>0 at x

Black circle when stable(arrows pointing in)

White circle when unstable(arrows pointing out)

