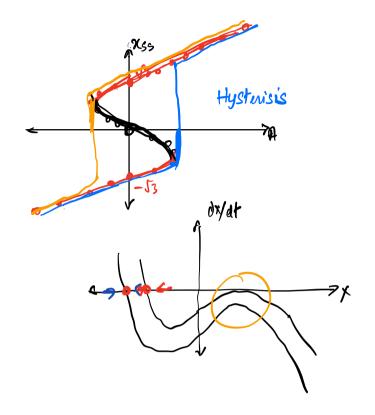


$$c\left(x - \frac{x^3}{3} + A\right) = 0$$

$$x_{SS}(A)$$



gical Switch

$$\frac{dz}{dt} = f(z) = \frac{x^2}{1+x^2} - mz$$

Autoregulation

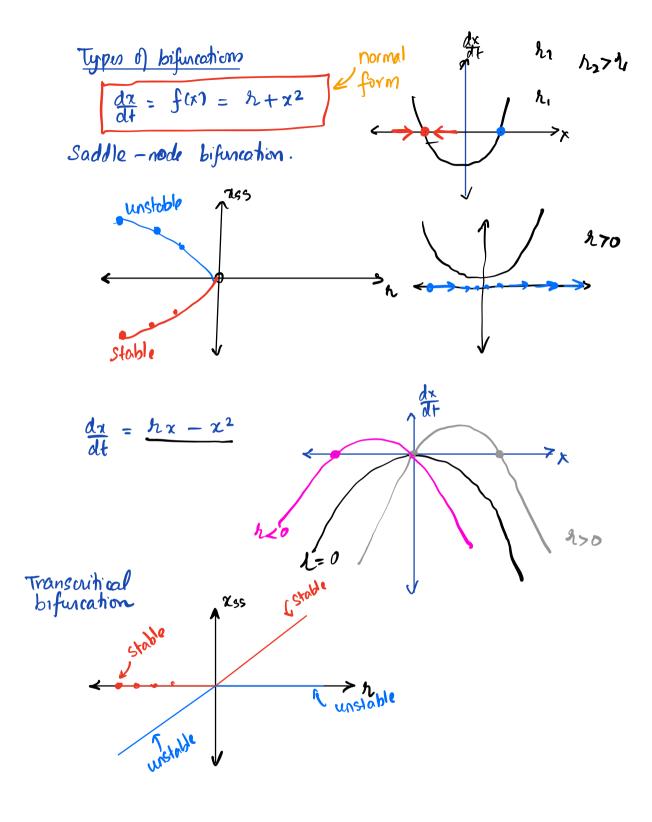
kills function

$$\frac{d\chi}{dt} = 0$$

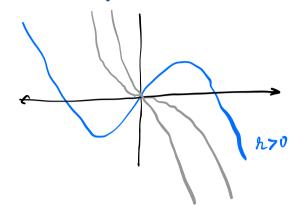
$$\frac{\chi^2}{1+\chi^2} - m\chi = 0$$

$$\frac{\chi^2}{1+\chi^2}$$

$$\chi$$



Pitchfork bifurcation



$$\frac{dx}{dt} = \frac{92}{2} - \frac{1}{3}$$

