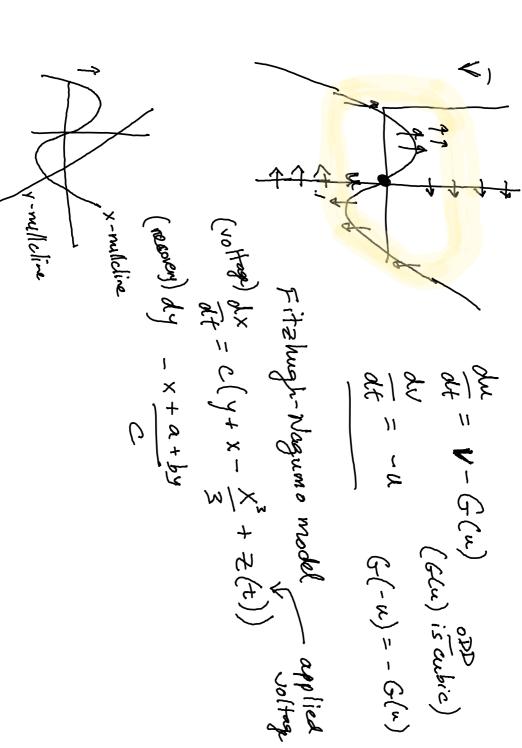


Edelstein-Kestet: Cubic nullolines Poincaré Bendixson theorem P-B: bounded traj that don't approach OR approach a closed texeriodic orbit a singular pt are closed & periodic " bounded region bounded annulus w/ 1 unstable eq w/ no equilibria

1 Mar 202)



cuBIC system:

LYAPUNOV exponent stability of eg points 151 = interspike interval ergennatue Floquet chaos? POTUCART Section Lyapunor: 10 t,=t2=t3=... ) X(+) at 20? 5 t, , t2, t3, t43 270 : chaos ><0 : limit cycle.