Horogen-thux ley model

$$\frac{dv}{dt} = \frac{-1}{-c} \left(g_{Nx} \left(v - v_{Nx} \right) + g_{E} \left(v - v_{E} \right) + g_{L} \left(v - v_{L} \right) \right)$$

$$\frac{dv}{dt} = \frac{1}{-c} \left(g_{Nx} \left(v - v_{Nx} \right) + g_{E} \left(v - v_{E} \right) + g_{L} \left(v - v_{L} \right) \right)$$

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$$\frac{dv}{dt} = \frac{1}{-c} \left(g_{Nx} \left(v - v_{Nx} \right) + g_{L} \left(v - v_{L} \right) + g_{L} \left(v - v_{L} \right) \right)$$

$$\frac{dv}{dt} = \frac{1}{-c} \left(g_{Nx} \left(v - v_{Nx} \right) + g_{L} \left(v - v_{L} \right) \right)$$

$$\frac{dv}{dt} = \frac{1}{-c} \left(g_{Nx} \left(v - v_{Nx} \right) + g_{L} \left(v - v_{L} \right) + g_{L} \left(v - v_{L} \right) \right)$$

$$\frac{dv}{dt} = \frac{1}{-c} \left(g_{Nx} \left(v - v_{Nx} \right) + g_{L} \left(v - v_{L} \right) + g_{L} \left(v - v_{L} \right) \right)$$

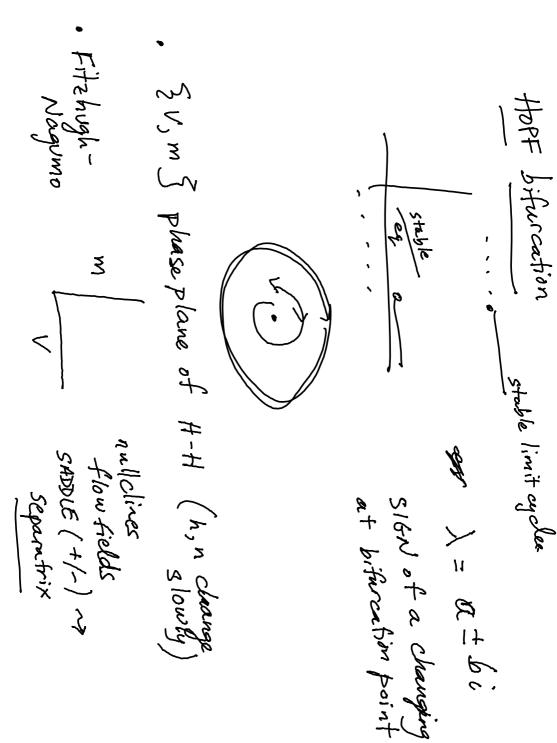
exp (v+25)/10)-1

REPOIN 6 for Weds.

25 Feb 2021

DERIVED from voltage comp Lm, Bm, Xn, Bh, dn, Kn. -> CIMIT cycle when I=0 fus is not very exciting

BIFURCATION Liggram 4=0 parameter bifurcation 7 megative Induced current 8 CO-DIMENSION ((changing one)



Hindmarsh-Rose: 3D. n. ALLOWS chaotic solution. H-H 4D. biologically realistic Fitz-Nagumo: 2D. LIMIT cycles 2D: no chaos 1D; no limit cycles trajectories of a deterministic continuous time: autonomous system con't crass Poincaré-Bendixson