

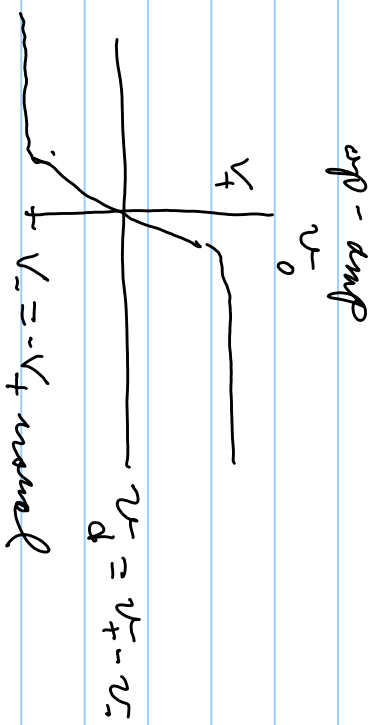
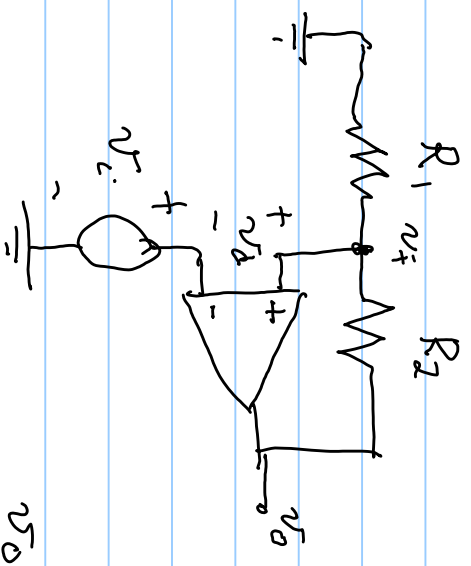
ENEE 307

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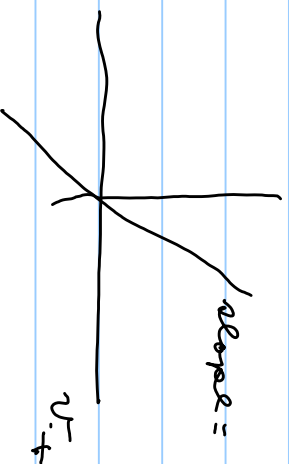
Note Title

4/23/2018

Schmitt trigger, moving op-amp curve over fixed linear curve; mimics idea in paper listed below on migraine excitability



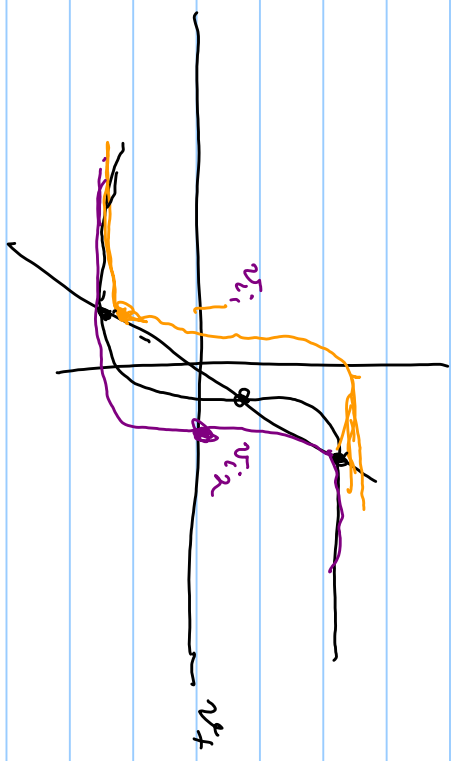
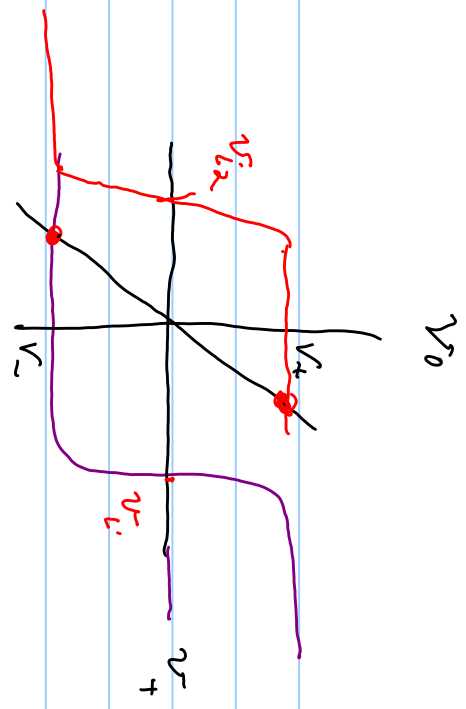
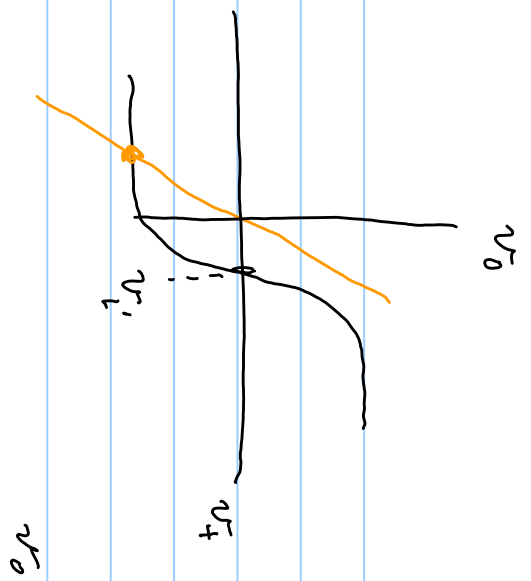
$$v_f = \frac{R_1}{R_1 + R_2} \cdot v_o$$



$$\text{slope} = \frac{1}{1 + R_2/R_1}$$

$$v_f = v_o + v_i$$

$$v_o = v_f - v_i$$



paper using above idea:
 Marten Scheffer, Albert van den Berg, , Michel D. Ferrari,
 "Migraine Strikes as Neuronal Excitability Reaches a Tipping Point," PLOS One, Vol. 8, No. 8, August 2013, e72514, 4pp.
 For Eq.(3): chose $e = \epsilon$; $f = c$; $h = g$? and others as given below (3). The simulink realization is with scope view of A vs t:

