metoname.py

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x represents
in physical cont location
offset (i) - old offset)
 of all mehonomes before it
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netronous.py

mass of each bab, mn variables: tength of each pendulum, in mass of court, M growity, g stiffness of court, Mk damping of court, Md escapement danging coefficient, adamp escapement angle coefficient, asso

initial: $\theta_1 = \text{uniform}(-30.30)$ rods 02 = UNYQUM (-30,30) rods 0, = uniform (-360,360) reals 0,2 = uniform (-360,360) rods X = 0 Q= X

For 3 melanous:

Met. 1: For every timestep, calculate new offset as old + multiplier x sin (0) -) offset stays some -> my nothernowes sync to this one

Met. 2: For every towaster, calculate new affect as old + multiplier x sin (offset met. 1 - old) -> should reduce Offset from met 1 slawly
as old -> offset met·1, offset (met 2) -> offset (met·1)

pret. 3: For every truesty, calculate new effect as old + multiplien x (an (offset met .1 -old) + sin (offset met 2 -old)) Met. 1: $\theta_{1,new} = \theta_{1,old}$

P2, new - P2, old + K-sin (O1, old - O2, old) Net . 21 Met. N: Panner = Panold + K & Piold - Panold

 $\Theta_1 = -\left(\frac{3}{5}\right) \sin \theta_1 - \frac{\ddot{x}}{c_1} \cos \theta_1 - Odomp \times \Theta_1\left(\left(\frac{\theta_1}{aesc}\right)^2 - 1\right)$ $\ddot{\theta}_2 = -\left(\frac{9}{l_2}\right) \sin \theta_2 - \frac{\ddot{x}}{l_2} \cos \theta_2 - \cos \phi \times \Theta_2 \left(\left(\frac{\Theta_2}{\cos \phi}\right)^2 - 1\right)$ integrated with time by odeint.