$$\frac{d^2\theta}{dt} = -\frac{9}{e} \sin \theta$$

$$v = \frac{ds}{dt}, \quad [s = l \cdot \theta(t)]$$

$$v = l \cdot \frac{d\theta}{dt} = \frac{1}{e} v$$

$$\frac{dv}{dt} = l \cdot \frac{d^2\theta}{dt^2} = l \cdot (-\frac{9}{e} \sin \theta) = -\frac{9}{e} \sin \theta$$

$$\frac{d^2\theta}{dt} = l \cdot \frac{d^2\theta}{dt^2} = l \cdot (-\frac{9}{e} \sin \theta) = -\frac{9}{e} \sin \theta$$

$$\frac{d^2\theta}{dt} = -\frac{b}{a} \cdot \frac{d\theta}{dt} = l \cdot (-\frac{b}{a} \cdot \frac{d\theta}{dt} - \frac{9}{e} \sin \theta)$$

$$\frac{d^2\theta}{dt} = -\frac{b}{a} \cdot \frac{d\theta}{dt} = l \cdot (-\frac{b}{a} \cdot \frac{d\theta}{dt} - \frac{9}{e} \sin \theta)$$

$$\frac{d^2\theta}{dt} = -\frac{b}{a} \cdot \frac{d\theta}{dt} = l \cdot (-\frac{b}{a} \cdot \frac{d\theta}{dt} - \frac{9}{e} \sin \theta)$$

$$\frac{dv}{dt} = -\frac{b}{a} \cdot v - \frac{9}{e} \sin \theta$$

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$$\frac{dv}{dt} = -\frac{1}{e} \cdot v - \frac{9}{e} \sin \theta$$

$$\frac{dv}{dt} = -\frac{1}{e$$

$$\frac{dN(t)}{dt} = p \cdot N(t), \quad p = n - m \quad MALTHUSOV$$

$$N(0) = N0 \quad (eksponeucijalni)$$

$$N(t) = N(0) \cdot e^{pt} \quad uodel$$

$$\frac{dN(t)}{dt} = r \cdot N(t) \cdot \left(1 - \frac{p(t)}{k}\right) \cdot \frac{N(0) = N_0}{k} \text{ UERHULSTOV}$$

$$\frac{dV(t)}{dt} = r \cdot N(t) \cdot \left(1 - \frac{p(t)}{k}\right) \cdot \frac{N(0) = N_0}{k} \text{ (logistick)}$$

$$\frac{dV(t)}{dt} = \frac{k}{1 + \left(\frac{k}{N_0} - 1\right) \cdot e^{-rt}} \text{ unox (expected)}$$

$$\frac{dV(t)}{dt} = \frac{k}{1 + \left(\frac{k}{N_0} - 1\right) \cdot e^{-rt}} \text{ unox (expected)}$$

$$\frac{C14:C12 = 92:100}{60 \text{ P(C12)}} + \frac{100}{100}$$

$$\frac{100}{100} = \frac{100}{100} + \frac{100}{100}$$

Thursday, March 18, 2021 6:25 PM L $N(t)$ C C C C C C C
$h(t+\Delta t) = h(t) + p \cdot \Delta t \cdot h(t)$
N(+xt)-N(t) = p. N(t)
t=0: $0.69 = p.1.99t=1: 0.95 = p.2.68 p_{0,,p_{5}}t=2: 126 = p.3.63 p_{sr} = 0.351t=6$: $3.17 = p.8.93$
N(t) = 0.3510. N(t) N(0)=1,99
N(t)= No: Pt = 1.85.0

