fredag 23 december 2022

15.28

$$m \cdot V'(t) = -k \cdot V(t) \qquad V(0) = 2 \cdot 2 \cdot 2$$

$$V'(t) + \frac{k}{m} \cdot V(t) = 0$$

$$g(t) = \frac{k}{m} \qquad G(x) = \frac{k}{m} + IF = \frac{k}{m} + IF$$

$$V(o) = C \cdot e^{o} = V_{o}$$

$$(S_{1}: V(t) = V_{o} e^{-k/mt})$$