

FYS2130 - Project

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Problem 1

We are asked to solve the equation

$$ma(t) + kx(t) = 0, \quad (1)$$

numerically using the Runge-Kutta 4 method where we have written the code ourself. Firt we need to sole for a

$$a(t) = -\frac{k}{m}x(t) \quad (2)$$

Problem 2

Problem 3

Problem 4

Problem 5

Problem 6

Problem 7

Problem 8

Problem 9