

Question 2 (Quiz) 18/11/2024

Command window

Clear

clc

close all

Format shortg

mdata = xlsread('ohlinquiddata', 'fluidata')

x = mdata(1:2:250, 1)

y = mdata(1:2:250, 2)

plot(x, y)

grid on

grid minor

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$$T_1 = 10^{\circ}\text{C}$$

$$T_2 = 20^{\circ}$$

$$\text{Time taken} = 5 \text{ mins} = 300 \text{ sec}$$

$$F_{\text{ind}} T = 249^{\circ}\text{C}$$

$$D T_c = 24.9 - 10 = 14.9^{\circ}\text{C}$$

$$14.9^{\circ}\text{C} \cdot \text{to } x$$

$$10^{\circ}\text{C} \quad \text{to} \quad 300 \times 14.9$$

$$10x = 4470$$

$$x = 447.0$$

$$x = \# \text{ minutes } 27.5 \text{ sec}$$



