

Boumann Khashm Sule
181ENG021022

Civil Engineering

T_i of thermometer = 10°C

T_e " " = 20°C

Time take = 5 minutes $\times 60 = 300 \text{ sec}$

$$\Delta T = 20 - 10 = 10^\circ$$

$$\text{Find } T = 24.9^\circ\text{C}$$

$$\Delta T_c = 24.9 - 10 = 14.9^\circ$$

$$10^\circ\text{C} = 300 \text{ sec}$$

$$14.9^\circ\text{C} = ?$$

$$\frac{10^\circ\text{C}}{10} = \frac{300 \times 14.9}{10}$$

$$x = 447$$

or 7 minutes 27 seconds


```
yimaquiz2.m x +  
- commandwindow  
- clear  
- clc  
- close all  
- format short g  
- mdata=xlsread('onlinequizdata','fluiddata')  
- x=mdata(1:2:250,1)  
- y=mdata(1:2:250,2)  
- plot(x,y)  
- grid on  
- grid minor
```

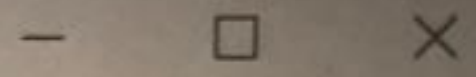
I

Command Window

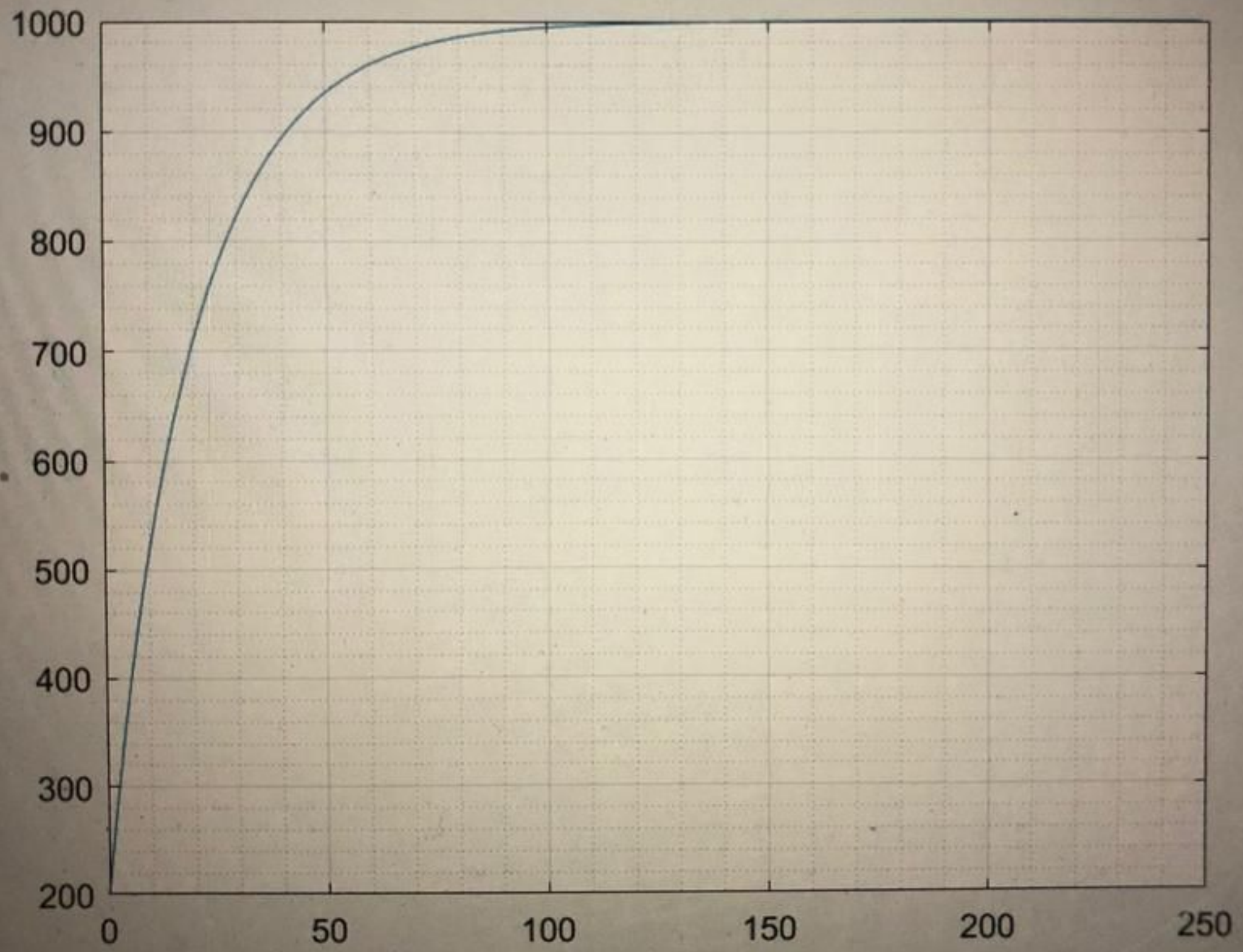
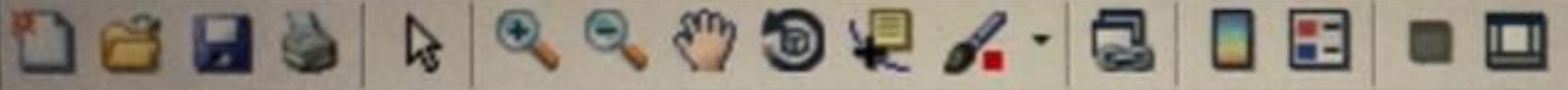
86
88
90
92
94
96
98
100
102

EDITOR

Figure 1



File Edit View Insert Tools Desktop Window Help



ts ▶ MATI
Ed
yi
1 -
2 -
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