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Find Files Go To Find Insert Comment Indent Breakpoints Run Run and Advance Run Section Advance Run and Time

NAVIGATE EDIT BREAKPOINTS RUN

C:\Users\DELL-LATITUDE\Documents\MATLAB

Editor - C:\Users\DELL-LATITUDE\Documents\MATLAB\quiz.m

```

1 - commandwindow
2 - clear
3 - clc
4 - close all
5 - format short
6 - mdata = xlsread('onlinequizdata.xlsx','fluiddata');
7 - x = mdata(1:2:250,1);
8 - y = mdata(1:2:250,2);
9 - plot(x,y)
10 - grid on
11 - grid minor

```

Command Window

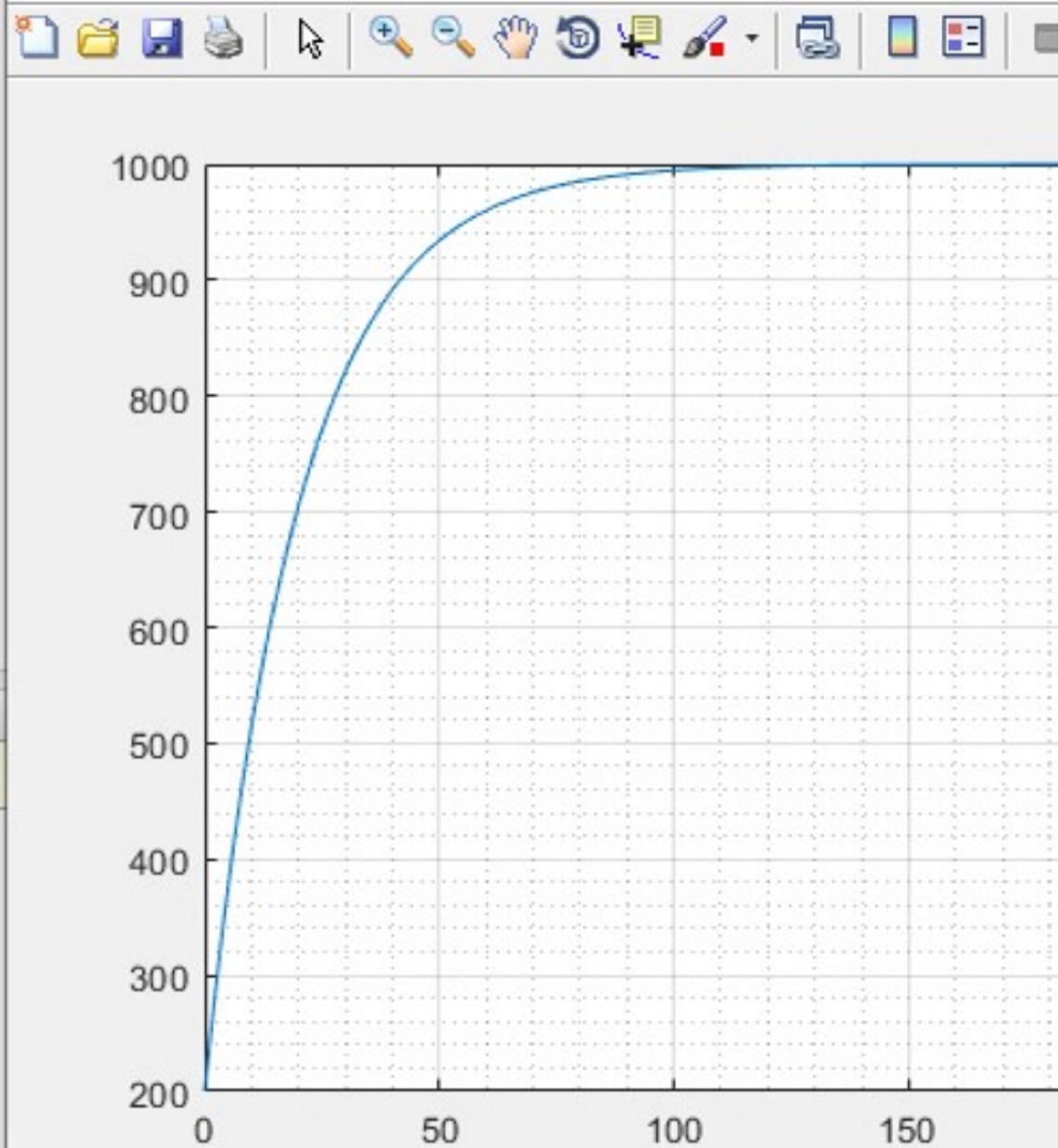
New to MATLAB? See resources for [Getting Started](#).

fx >>

Value
251x2 double
125x1 double
125x1 double

Figure 1

File Edit View Insert Tools Desktop Window Help



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Mechanical

$$T_1 = 10^\circ\text{C} \quad T_2 = 20^\circ\text{C}$$

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

$$\text{Actual temp} = 24.9^\circ\text{C}$$

$$\Delta T = 20 - 10$$

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

It takes 5 mins to cover 10°C

To move from 20°C to 25°C which is 5°C difference will take $\frac{1}{2}$ of 5 mins

So 2.5 mins will cover 5°C

$$25^\circ\text{C} = 2.5 \text{ min}$$

$$= 24.9$$

$$T = \frac{2.5 \times 24.9}{2.5}$$

$$= 24.9 \text{ mins}$$

$$= 0.415, \quad 0.415 \times 60 = 24.9 \text{ sec}$$

$$\frac{49}{100}$$

$$T = 2 \text{ mins } 29 \text{ sec}$$

So,