

Goodlead Thigomie Isaac

18/609061024

Mechanics

609 282

\bar{T}_1 of thermometer = 10°C

\bar{T}_2 of them

Time taken = 5 min = 300 sec

$$\Delta T = 20 - 10 = 10^\circ\text{C}$$

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

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

10°C to 300 sec

14.9°C to x

$10x$ to 300×14.9

$$10x = 4470$$

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$$x = 447 \text{ seconds}$$

$$x = 7 \text{ min } 27 \text{ sec}$$


```
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

