

Hardware Assignment

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Voltage (V)	Actual Temp (°C)	Predicted Temp (°C)	Error (°C)
2.9432	93.3	93.33	-0.03
2.9277	90.9	91.82	-0.92
2.8886	88.0	86.16	1.84
2.8788	86.0	84.33	1.67
2.8739	84.0	83.35	0.65
2.8690	83.0	82.34	0.66
2.8641	79.0	81.33	-2.33
2.8543	78.5	79.30	-0.80
2.8495	77.0	78.29	-1.29
2.8446	75.0	77.29	-2.29
2.8152	70.0	71.46	-1.46
2.8055	65.2	69.54	-4.34

Table 1: Comparison of Measured and Predicted Temperatures from PT100 Calibration

From these values,

$$\text{The Mean Absolute Error (MAE)} = \frac{\Sigma \text{Errors}}{\text{Total no. of obvservation}} \quad (1)$$

$$\text{MAE} \approx 1.07^\circ\text{C}. \quad (2)$$