
ME 200: Thermodynamics I
Lecture 23: Temperature Scales and
Maximum Performance Measures
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In this Lecture ...

- **We will study:**
 - **Temperature scales and Maximum performance measures**

Temperature Scale

- **For reversible cycles, Carnot showed for absolute temperatures**

$$\left(\frac{Q_C}{Q_H} \right)_{\text{rev cycle}} = \frac{T_C}{T_H}$$

- **Absolute temperature scale is independent of the properties of the substance.**