Announcements

- 1. In-class lab exercise on Friday.
- 2. Supplemental materials:
 - (a) Test and Laboratory Reports
 - (b) Almost Everything You Wanted to Know About Making Tables and Figures

Calibrating Temperature Sensors

According to NIST Special Publication 330:

"The kelvin, symbol K, is the SI unit of thermodynamic temperature. It is defined by taking the fixed numerical value of the Boltzmann constant k to be $1.380\,649 \times 10^{-23}$ when expressed in the unit J K⁻¹..."

Before 2019-05-19, the definition of the kelvin was based on the **triple point** of water, which was **defined** to be 273.16 K.

The SI also allows the use of **Celsius** temperature.

The **magnitude** of a degree Celsius is equal to the magnitude of a kelvin.

 $T(^{\circ}\mathsf{C}) = T(\mathsf{K}) - 273.15$

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