

Thermometry: → 1. choice of thermometric property (x)
⇒ This property must linearly
depending upon temp.

2. choice of 2 fixed point (temp).

→ (a) Melting point of ice (MPW) } at
(b) Boiling point water } 1 atm.

X_i → value of x at Melting point of ice

X_s → " " " boiling of water

X_t → " " at unknown temp

n → no. of divisions in the range between...

$$t = \left(\frac{X_t - X_i}{X_s - X_i} \right) \times n \quad \text{--- (1)}$$

$$t^{\circ}\text{C} = \left(\frac{X_t - X_0}{X_{100} - X_0} \right) \cdot n \quad \text{--- (2)}$$