ASQ CRE Prep course

Lesson V. B. Bonus

A Few Models

Arrhenius Model

$$AF = \exp\left(\frac{E_a}{k}\left[\frac{1}{T_o} - \frac{1}{T_s}\right]\right)$$

Eyring Model

An example with voltage and temperature

$$AF = \left(\frac{V_o}{V_s}\right)^{-n} \exp\left(\frac{E_a}{k}\left[\frac{1}{T_o} - \frac{1}{T_s}\right]\right)$$

There are many other models

- **Black's equation**
- **Peck's equation**

- **Physics of failure models**
- **And those your create directly**

ALT is complex and fun

ASQ CRE Prep course

Lesson V. B. 2.

Discovery Testing