~ 7 planch's constant black body radiation-Alexaper emission spechun from The sun. makial #1 emissivity material #2 flat value 1 Emperativo ~ could spill/ putontop. Than cerved emissivity (varies with makrial)



Results from Data Analysis For 1V, 2V, 3V, 4V. 5V mean value of Measured Vrof - Vouvent = increase by Vs [0.8473, 0.8538, 0.8615, 0.8617, 0.868+] 140611. 8.03.07 0.1487 0.1502 Measured Vref - Vaneut at 10mV N 24P5mV set for Nef result around of PinV lose to . In Amp perform better TOMVN \$PIMV ip at Measured Vref - Vannent at 22 mV test again after this through all timent range mean difference increase N difference from ots to o \$ Improved resolution - Improved. average 0.7 to 0.7 Reference needed vs estimated vs real measure. estimated + mean real value reference estimated. reference recoded reference estimated 31 Much

2022/07/22

Temp Seison Faisca) - Normal Resistance IKA

only wonsern T > 6 C situation.

Vsense =
$$\frac{1}{1.2k + R} \times 5 = 7$$
 $\frac{V(1.2k + R) = R}{5} \times 1.2k + \frac{V}{5} = R$ $\frac{V \times 1.2k = (5 - V)R}{5} \times 1.2k = (1 - V)R$ $\frac{V \times 1.2k = (1 - V)R}{5} \times \frac{V \times 1.2k}{5} = \frac{1.2k \cdot V}{5} \times \frac{V \times 1.2k}{5} = \frac{V \times 1.2k}{5} \times \frac{V \times 1.2k}{5} = \frac{V$

$$R = \frac{\sqrt{x_{1.2}k}}{\sqrt{1-\frac{x}{5}}}$$

$$R = \frac{1}{1}k \times (1 + a \times T + b \times T^{2})$$

$$R = \frac{1}{1}k = 1 + a \times T + b \times T^{2}$$

$$V = 2361.6 \,\text{mV}$$

$$R = \frac{1.2 \,\text{k} \,\text{x} \,\text{V}}{5 - \text{V}}$$

$$D \times T^2 + \alpha \times T + 1 - \frac{R}{1R} = 0$$

$$7 = -3.988 \times 10^{-3} \pm \sqrt{(3.9083)^{2} \times 10^{-6} - 4 \times (-5.715 \times 10^{-7})(1 - 1.0741)}$$

$$2 \times (-5.775 \times 10^{-7})$$

if
$$\pm 3 + T = 19.0457$$

if $\pm 3 - T = 6777.9$ tw big

$$b = -5775 E = 0$$

$$C = -4.183E - 12$$

$$T = \frac{-3.9083 \times 10^{-3} + 1.032 \times 10^{-3})^{2} + 4 \times 5.75 \times 10^{3} \times 10^{-3} + 1.032 \times 10^{-3} \times 10^{-3} + 1.032 \times 10^{-3} \times 10^{-3}$$

Toutch it by hand. (37°C probably)

Skin temp may lower

Vserse = 2380,8 mV

 $R = \frac{1.2 \text{k} \times 2.3808 \text{V}}{5 - 2.3808}$

2.6192

= 1090,7762

= 1090,82

 $T = -\frac{3.9083 \times 10^{-3}}{10^{-3}} + \sqrt{(3.1083 \times 10^{-3})^2 + 4 \times 5.775 \times 10^{-7} \times (1 - 1.0908)}$

-2x5.775x10-7

T & e3,4°c. skin temp