

$$Transfer\ Function\ (ungained) = \frac{ADC\ value}{3} = \frac{0.72}{3} = 0.24$$

$$Transfer\ Function\ (converted\ to\ ^\circ C) = \frac{0.24}{10} = 0.024$$

We have also included the opam gain:

$$\begin{aligned} Opam\ Gain &= 1 + \frac{R_f}{R} \\ &= 1 + \frac{20000}{10000} = 3 \end{aligned}$$