$$\frac{q_{12} = \sigma(T_1^4 - T_2^4)}{\frac{1}{e_1} - \frac{1}{e_2} - 1} = \sigma(T_1^4 - T_2^4)$$

If we have n layers

$$Q = \frac{\sigma(T_1^4 - T_n^4)}{(n-1)(\frac{2}{e}-1)} = Q_{12}$$

$$T_{i+1} = T_{i} - \frac{T_{i} - T_{i}}{N - 1}$$

In space we also have the final layer emitting at 9=80 The wy no back radiation

$$e \neq T_{n} = \frac{1}{(n-1)(\frac{2}{e}-1)}$$

$$T_{n}^{4}((n-1)(2\frac{2}{2}-e_{n})+1)=T_{n}^{4}$$

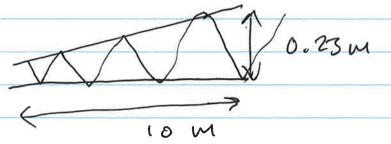
$$T_{n}^{2}((n-1)(2\frac{2}{2}-e_{n})+1)=T_{n}^{4}$$

so if
$$e = 0.04$$
, $n = 5$
 $T_1 = T_1 \left(\frac{1}{1+8-4e} \right)^{1/4} \stackrel{\sim}{=} T_1 \frac{1}{\sqrt{3}}$
 $T_1 = 383\%$

To = 221 K which matches their description. (max temp of layer 5)

This isn't good enough - which is why it's curved & open at edgess

Angle is ~ 1.9" spread over ~ 10m



so because e ~ 0.04 bounces '~ 25 times before absorbed

Thus the flux between each layer is reduced (some heat leaks out edge)

They report mon. temp of layer 5 is 36 K