(Poténcia emitida pelo Sol: Ps = T Ts 4TI Rs

Potência por unidede

Au Terra:

Ps = T Ts 4TI Rs

Ps = T Ts 4TI Rs Potércia recelide pla Terra: Pin = N1 TRT Pout = EUTT × 4TT RT , EX1 No aquilísio: Pin = Pout XTS 4 KTRS 2 , _ 1 2 x TRT = XTT 4 4 TRT 2 $\frac{\overline{l_s}^4}{\overline{l_7}^4} = 4 \frac{1}{R_s^2} \qquad \overline{l_7} = \overline{l_5} \left[\frac{1}{4} \left(\frac{R_5}{J_{7c}} \right)^2 \right]$ T- 2 290 K. b) 1) Efeilo de satura 3 202 cm 3 202

115. a)
$$\lambda_{\text{Knx}} \cdot T = 2,989 \times 16^{-3} \text{ m. K}$$

$$\lambda_{\text{Max}} = \dots \cdot 1 \text{ mm}$$

$$\lambda_{\text{Max}} = 0.000 \cdot 10^{-3} \text{ m. K}$$

120.
$$T_0 = 2q^0C = 273 + 29 = 302K$$

$$A = 1,5 \text{ m}^2 , T_1 = 33^\circC = 273 + 33 = 306K$$

$$E \approx 1$$

a)
$$P = Pout - P_{in} = E G A \left(T_1^4 - T_0^4 \right)$$

 $= 2812 \text{ W}$

121.
$$A = 0.9 \text{ m}^2$$
 a) $T_1 = 35^{\circ}\text{C} = 273 + 35 = 308 \text{ K}$
 $E = 0.9 \text{ m}^2$ $\lambda_{\text{Max.}} T = 2.898 \times 10^{-3} \text{ m.KP} 9.41 \times 10^{-6}$

b)
$$T_2 = -5^{\circ}C = 273 - 5 = 268 \text{ K}$$

d)
$$l = 2 \text{ cm}$$
 $\overline{l_0} = 8^{\circ} \text{ e}$
 $T_1 = 35^{\circ} \text{ from } P_{\text{out}}$
 P_{met}
 P_{met}
 P_{met}
 $P_{\text{met}} = KA (T_1 - T_0)$
 $P_{\text{met}} = KA (T_1 - T_0)$

$$\frac{d\theta}{dt} = -kA \frac{dT}{dx}$$

$$\frac{dR}{dx} = -kA \frac{dT}{dx}$$