补充题

$$V_{S_1} = \left(\frac{P_1}{P_1}\right)^{0.5} \qquad V_{S_2} = \left(\frac{P_2}{P_2}\right)^{0.5}$$

$$\frac{V_{S_1}}{V_{S_2}} = \left(\frac{P_1 P_2}{P_2 P_1}\right)^{0.5} \approx 0.457$$

(2) 
$$P = 7.1m \times 2.6m \times 1368W/m^2 \times 0.25$$
  
= 6313.32W

3. 
$$\begin{cases} \lambda_{\text{max}} = \frac{2-897 \times 10^{-3}}{T} \\ E = 0.916 \times 10^{20} \text{ W} \end{cases}$$
$$A = 4\pi (3R_0)^2$$

1. 
$$\lambda max = \frac{2.897 \times 10^{-3}}{T} \Rightarrow T = 3621 - 25 K$$

4. 
$$E = 4\pi r^{2} \cdot 290W \cdot m^{2} \approx 1.458 \times 10^{26}W$$

$$\begin{cases}
D = 2\pi r \cdot \frac{23}{60.360} \\
E = 74T^{4} \Rightarrow T \approx 4623.89 K
\end{cases}$$

5. 始为全食的能离为db 
$$(21)$$
  $\frac{d_0}{r} = \frac{R_M}{R_S}$   $d_0 \approx 374978 \, km$   $C = ae = 21526 \, km$ 

$$\begin{array}{ccc}
 & t = 1370 \text{W/m}^2 \cdot \text{S} \cdot \text{COS}\theta \\
 & E = mc^2 & n = \frac{m}{m_0} \cdot \text{Z} & \Rightarrow n \approx 1.554 \times 10^{21}
\end{array}$$