

• At low f ($f \rightarrow 0$) $\frac{hf}{kT} \ll 1$
 $\lambda \rightarrow \infty$

$$\frac{1}{e^{\frac{hf}{kT}} - 1} = \frac{1}{1 + \frac{hf}{kT} - 1} = \frac{kT}{hf}$$

and $u(f, T) \approx \frac{8\pi}{c^3} f^2 kT$ [Rayleigh-Jeans Law]