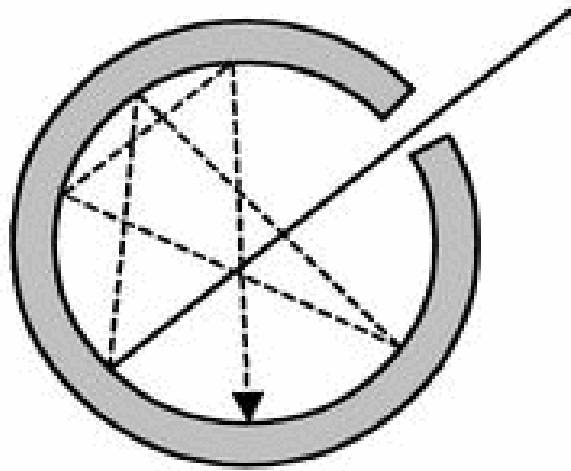




# Trupi absolut i zi dhe ligjet e rrezatimit

Tropi absolut i zi eshte nje objekt teorik qe 100% e absorbon rrezatimin qe e godet ate,prandaj nuk reflekton rrezatim dhe paraqitet plotsisht i zi...



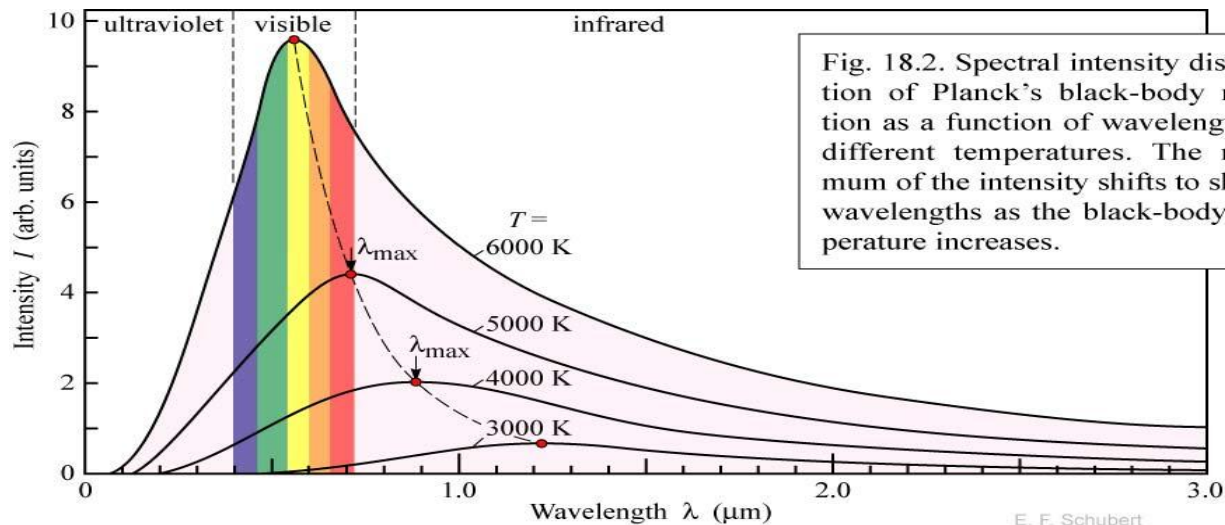


Fig. 18.2. Spectral intensity distribution of Planck's black-body radiation as a function of wavelength for different temperatures. The maximum of the intensity shifts to shorter wavelengths as the black-body temperature increases.

E. F. Schubert  
*Light-Emitting Diodes* (Cambridge Univ. Press)  
[www.LightEmittingDiodes.org](http://www.LightEmittingDiodes.org)

Me rritjen e temperatures rritet aftesia e ementimit te trupit te zi, rritet shkelqimi i trupave pra ndryshon ngjyra e rrezatimit te ementuar, ndersa bie kulmi i gjatsis valore te ementuar nga trupi absolut i zi.

## Ligjet per rrezatimin e trupave:

- Ligji i Kirkofit
- Ligji i Shtjefman-Bolcmani
- Ligji i Vinit
- Ligji i Plankut

Tentojn te zberthejn lidhjen funksionale te funksionit

$$\mathbf{E}_{(AT)} = \mathbf{F}_{(AT)}$$

Ligji i Shtjefan-Bolcomit:

$$\mathbf{E}_t = \sigma \cdot T^4$$

$$\sigma = 5,670 \cdot 10^{-8} \text{ W} \cdot \text{m}^{-2} \cdot \text{K}^{-4}$$

Ligji i Vinit:

$$\lambda_{\max} = \frac{b}{T}$$

$$b = 2,898 \cdot 10^{-3} \text{ m} \cdot \text{K}$$



**Punoi: Valbona Fejza dhe  
Qendrim Mehmedi**