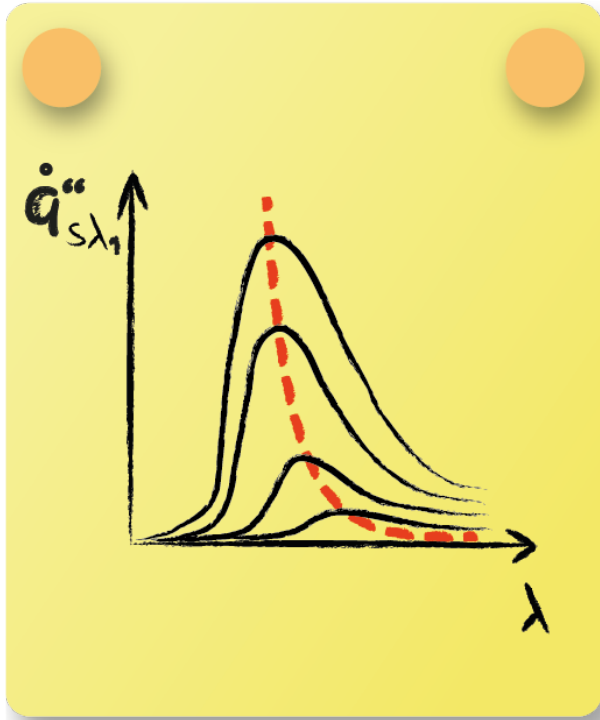


## Fundamentals: Task 3



The diagram represents planck's law which specifies the spectral electromagnetic radiation density of a black body. Different curves correspond to certain temperatures with the locus of maximum radiation density given by the red dashed line.

The dashed line represents Wien's displacement law:



$$\lambda_{\max} = \frac{2898 \mu\text{mK}}{T}$$

It specifies the temperature dependence of wave length at which the maximum spectral radiation density occurs.