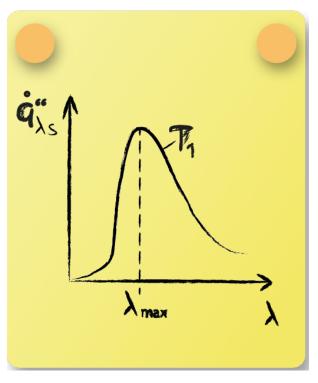


Fundamentals: Task 9



The graph represents planck's law which specifies the spectral electromagnetic radiation density of a black body at a certain temperature T_1 .

A relation between wave length at maximum intensity and temperature is given by Wien's displacement law:



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

This immediately delivers the wave length for a given temperature.