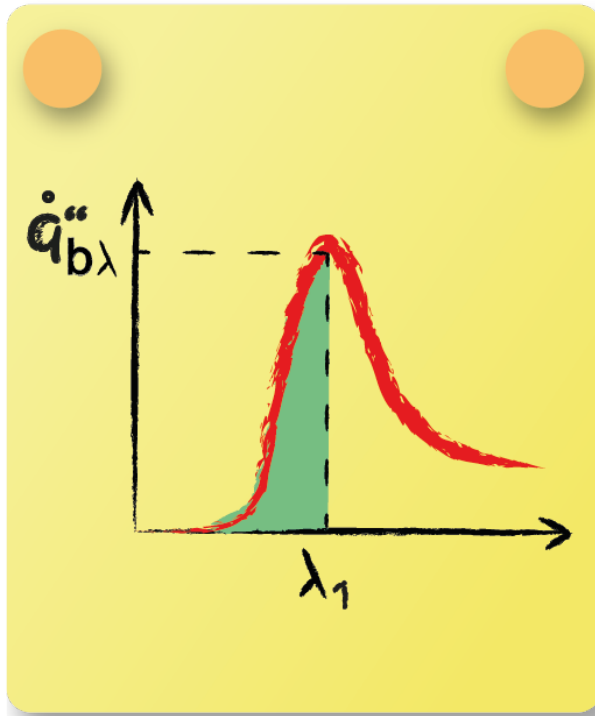


Variable Properties: Task 2



The diagram shows the distribution of black body radiation with respect to the wave length.

1



$$\dot{q}''_{b,0 \rightarrow \lambda_1} = \dot{q}''_b F_{0 \rightarrow \lambda_1}$$

2



An expression for radiation in interval $[0, \lambda_1]$ is obtained from the product of black body radiation \dot{q}''_b and function $F_{0 \rightarrow \lambda_1}$, which gives the corresponding fraction.