

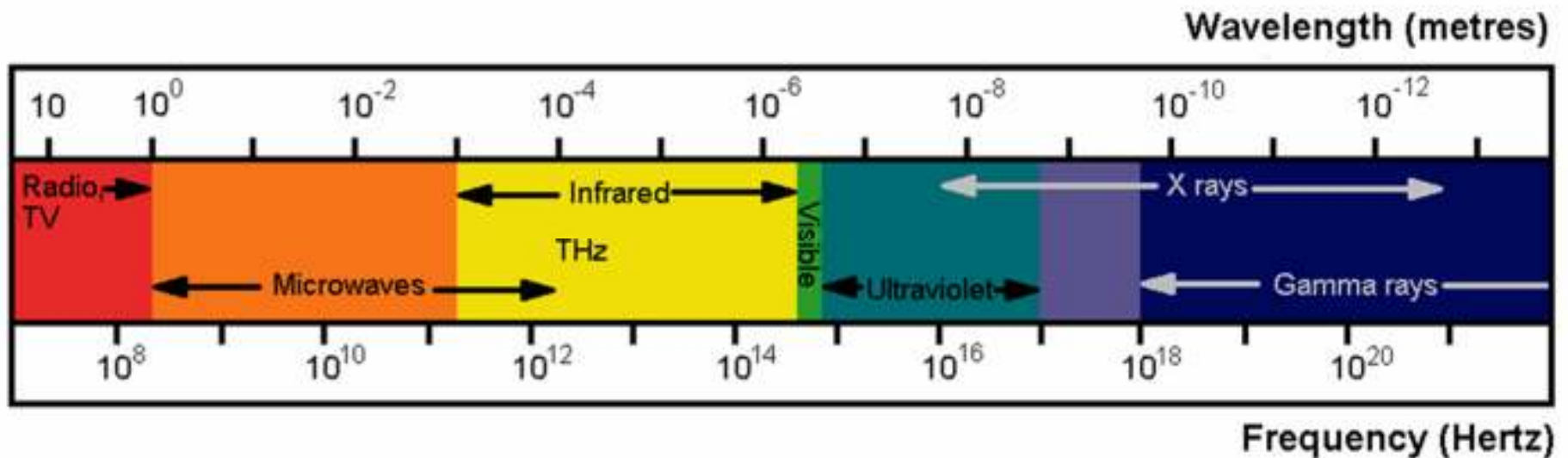
# PY3101 Optics

Handout: Waves and Photons

M.P. Vaughan

# Maxwell's Rainbow

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# Harvard spectral classes

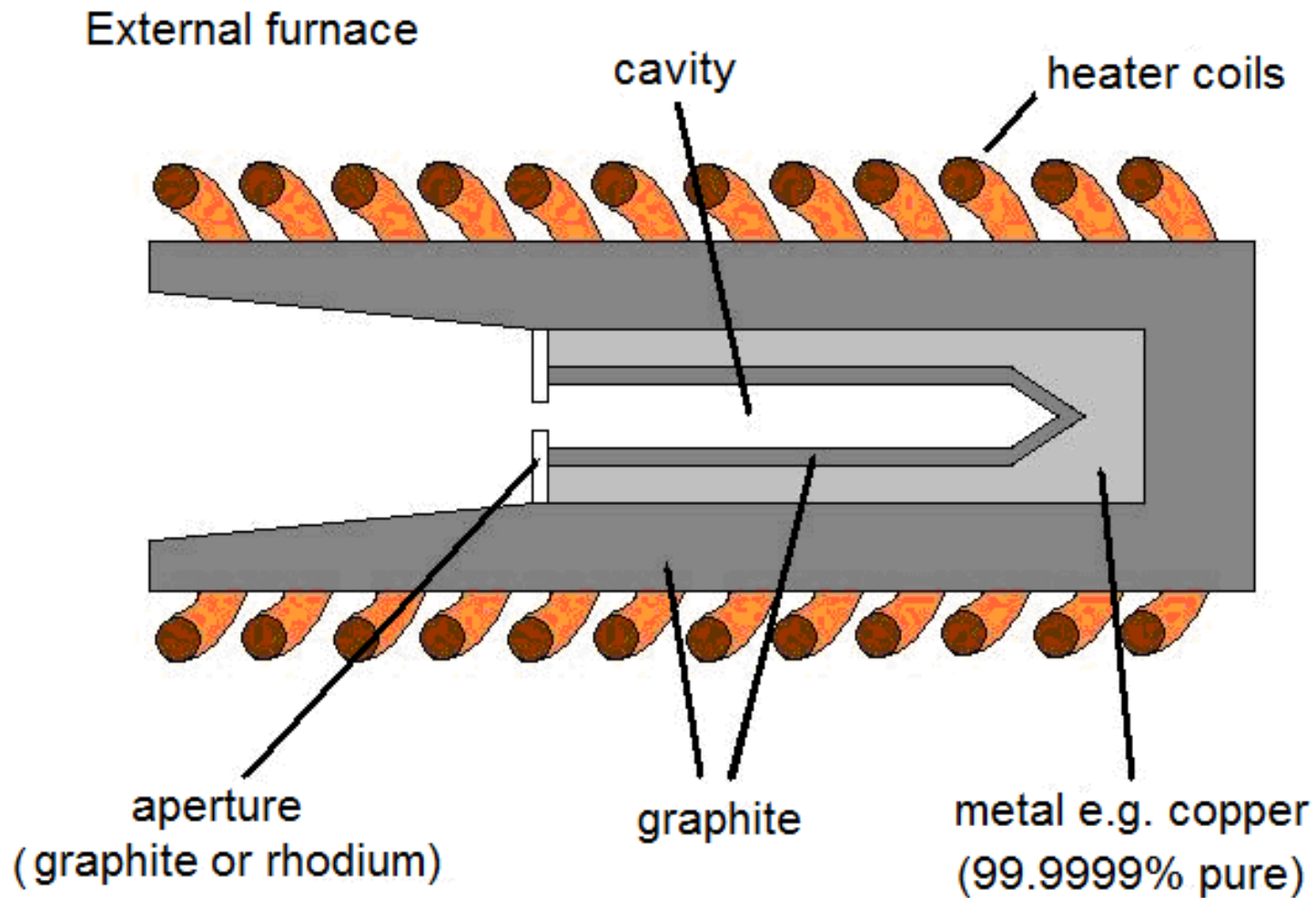
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Table 1.1: . Harvard spectral classification (L,T and Y classes omitted).

Class	$T$ (K)	Colour
O	$\geq 33000$	blue
B	10000 – 33000	blue-white
A	7500 – 10000	white
F	6000 – 7500	yellow-white
G	5200 – 6000	yellow
K	3700 – 5200	orange
M	2400 – 3700	red

# Copper point blackbody

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# Ruby laser energy levels

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