

Part II

Thermal Expansion

Main Symbols

β	Coefficient of volumetric expansion
α	Coefficient of linear expansion
C	Heat capacity/capacitance
c	Specific heat
T	Temperature
E	Internal energy
V	Volume
S	Entropy
γ_G	Grüneisen coefficient
θ_D	Debye Temperature
ω_D	Cutoff frequency
k_B	Boltzmann constant
h	Plank constant
\hbar	$h/2\pi$
$\bar{\alpha}$	Average linear expansion coefficient
S	Area
ε	Dielectric constant
d	Distance
r	Radius
E	Electric field
A	Amplitude
φ	Phase
ν	Frequency
ω	$2\pi\nu$
t	Time
k	Wave vector