

H	Laplace transform of η
η	regional temperature in heat flow problem
θ	characteristic temperatures
$\theta_E, \theta_R, \theta_D$	characteristic temperatures of Einstein, resistivity, and Debye, respectively
κ	material diffusivity
Λ	dislocation density, thermal conductivity (Appendix D)
λ	thermal conductivity
μ	shear modulus or Lamé constant, parameter in heat flow calculation (Appendix D)
ν	Poisson's ratio
ρ	electrical resistivity
$\Delta\rho_D$	resistivity difference or deviation between shock and hydrostatic results
ρ_i	impurity resistivity
ρ_L	perfect lattice resistivity
ρ_O	$\rho(V_O, T_O)$
ρ_T	thermal resistivity
ρ_V	resistivity per vacancy
$\rho(\text{HF})$	resistivity change due to heat flow
σ	stress, conductivity (Sec. IV.G)
σ_x	longitudinal stress (in shock direction)
σ_y	lateral stress
τ	maximum shear stress, relaxation time (Sec. IV.G)
φ	regional temperature
Φ	Laplace transform of φ
χ_{pd}	point defect concentration
χ_V	vacancy concentration

ψ regional temperature

\mathcal{L} Laplace transform of ψ

Ω ohm

ω angular frequency

distinction density, thermal conductivity (Appendix D)

thermal conductivity

shear modulus or Lamé constant, parameter in heat flow calculation (Appendix D)

Poisson's ratio

electrical resistivity

resistivity difference or deviation between shock and hydrostatic results

impurity resistivity

lattice resistivity

ρ

thermal resistivity

resistivity per vacancy

$\rho(H_2)$ resistivity change due to heat flow

stress, conductivity (Sec. IV.3)

longitudinal stress (in shock direction)

lateral stress

maximum shear stress, relaxation time (Sec. IV.6)

regional temperature

Laplace transform of ψ

point defect concentration

vacancy concentration