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|--------------------------------|---|
| 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_0 | $\rho(V_0, T_0)$ |
| 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 |
| x_{pd} | point defect concentration |
| x_v | vacancy concentration |

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