

APPENDIX E

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LIST OF SYMBOLS

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A	parameter in temperature coefficient of resistance
A_1, A_2, A_F	Fermi surface cross-sectional areas
b	Burgers vector, coefficient in equation of state (Sec. III.B)
B	$\left(\frac{d \ln A}{d \ln V}\right)_{V=V_0}$
C_V	constant volume heat capacity per gram
c_S, c_L	shear and longitudinal sound speeds
$^{\circ}C$	Centigrade temperature
D	Debye function, diffusion coefficient (Sec. IV.I)
E	voltage, internal energy per gram (Sec. III.B)
E_F	electron Fermi energy
E_H	internal energy per gram on Hugoniot path
E_0	internal energy per gram in initial state
E_p	potential internal energy per gram
E_T	thermal part of internal energy per gram
e	electron charge
e_K	strain deviator
F	Helmholtz energy
F_k	intensive parameter in entropy representation
f	frequency
G	γ/V