N = solenoid turns/cm or number of turns in pickup coil

$\vec{A}$ = magnetic vector potential

D = shock or longitudinal velocity or demagnetizing factor

V = specific volume or oscilloscope voltage

Z = mechanical impedance = $\rho_o D$ or transmission line impedance

P = longitudinal stress

u = particle velocity

E = energy

S = entropy

Γ = Grüneisen constant

$P_H^o(V)$ = initial Hugoniot

η = $1 - V/V_o$

P', V', E', η' = thermodynamic state on initial Hugoniot

$\mathcal{E}(t)$ = emf developed across pickup coils

b = width of pickup coil

Φ = magnetic flux

δM = shock induced change in magnetization

$\mathcal{E}'$ = shock induced emf across solenoid

$\mathcal{E}''$ = emf due to magnetic velocity gauge effect

$\mathcal{E}_{max}, \mathcal{E}_{min}$ = defined by maximum and minimum in demagnetization profile