

Figure Captions

Fig. 1. The Shock Velocity-Particle Velocity Hugoniot of NaCl. The elastic wave velocities were obtained from data in reference (14). The larger symbols indicate multiple data points.

Fig. 2. The Various Functions Used for the Grüneisen Parameter.

Fig. 3. Pressure Variations in the Base Isotherm Due to Various Changes in the Input Data. In this figure we show the fractional change in pressure from the base isotherm,

$$\delta P/P = P(\text{new parameters})/P(\text{base}) - 1,$$

at a given density. The actual abscissa is the pressure of the base isotherm at this density.

Fig. 4. NaCl Isotherms. The solid line shows the isotherm calculated from the quadratic fit to the Hugoniot in the $u_s - u_p$ plane. The isotherm from the linear fit is parallel to Decker's isotherm and roughly maintains a constant pressure offset from Decker's isotherm from 200 to 320 kb.