

Table 20

COEFFICIENTS IN POLYNOMIAL FIT OF ISENTROPIC
COMPRESSIBILITY AS FUNCTION OF DENSITY RATIO--
EQUATION 14 FROM REFERENCE 7

Metal	b_k (kbar)					
	k = 1	2	3	4	5	6
Aluminum	731	3054	1948	-4440	5190	-1060
Copper	1370	5434	2668	40370	-117450	96500
Lead	414	2034	1842	2480	-4390	1670
Iron	1963	-1570	38622	-54480	30770	----

Table 21

ESTIMATES OF SHOCK TEMPERATURE, THERMAL ENERGY
AND Γ_L OBTAINED BY USING $I(\sigma, \sigma_k)$ FOR $P_c(\sigma)$ IN
EQUATIONS (17) AND (18) FROM REFERENCE 7

$\sigma = \frac{\rho}{\rho_0}$	Aluminum			Copper			Lead		
	ΔE_T (10^{10} erg/g)	T (°K)	Γ_L	ΔE_T (10^{10} erg/g)	T (°K)	Γ_L	ΔE_T (10^{10} erg/g)	T (°K)	Γ_L
1.1	0.043	340	--	0.026	360	--	0.042	360	--
1.2	0.164	480	--	0.103	560	--	0.067	550	--
1.3	0.449	780	--	0.315	1110	--	0.127	990	--
1.4	1.027	1400	--	0.752	2200	--	0.265	1920	--
1.5	2.086	2460	1.1	1.514	4290	1.2	0.505	3430	1.5
1.6	3.817	4180	1.1	2.882	7240	1.2	0.884	5440	1.4
1.7	6.331	6470	1.1	5.069	11970	1.2	1.432	8230	1.3
1.8	9.616	9250	1.1	--	--	--	2.139	11300	1.25
1.9	--	--	--	--	--	--	3.005	14640	1.15
2.0	--	--	--	--	--	--	3.985	18050	1.0
2.1	--	--	--	--	--	--	5.138	21700	0.9