Table 2. The Murnaghan parameters evaluated at different boundary conditions. All values are at T = ∿300 °K.

Material	$\gamma_{G(\text{thermal})}$	$\frac{T\gamma_G}{B^S}\left(\frac{\partial B^S}{\partial T}\right)_p$		$\{B_1\}_{p=0}$ (x 10^{-11} dyn/cm^2)	$\{B^*\}_{p=0}$ (x 10^{-11} dyn/cm^2)		$\{\frac{dB_1}{dp}\}_{p=0}$	$\{\frac{dB^*}{dp}\}_{p=0}$
Mg	1.55[a]	0.13	B^S	3.555	3.555	$(\partial B^S/\partial p)_S$	4.30	4.30
			B^T	3.439	3.440	$(\partial B^T/\partial p)_T$	4.17	4.17
Cd	2.20[a]	0.13	B^S	4.858	5.316	$(\partial B^S/\partial p)_S$	6.41	6.27
			B^T	4.581	5.012	$(\partial B^T/\partial p)_T$	6.28	6.14
CdS	1.09[b]	?	B^S	6.176	6.177	$(\partial B^S/\partial p)_S$	?	?
			B^T	6.154	6.155	$(\partial B^T/\partial p)_T$	4.15	4.15
α-Quartz	0.75[c]	0.04	B^S	3.741	3.766	$(\partial B^S/\partial p)_S$	6.38	6.47
			B^T	3.714	3.738	$(\partial B^T/\partial p)_T$	6.34	6.43
α-Al_2O_3	1.34[d]	0.03	B^S	25.441	25.457	$(\partial B^S/\partial p)_S$	4.35	4.34
			B^T	25.281	25.296	$(\partial B^T/\partial p)_T$	4.32	4.31

(a) J. G. Collins and G. K. White, in Progress in Low-Temperature Physics (C.J. Gorter, Editor), Vol. 4. p. 450, North-Holland Publishing, Amsterdam (1964).

(b) Estimated from data cited by J. A. Corll, Phys. Rev. 157, 623 (1967).

(c) G. K. White, Cryogenics 4, 2 (1964).

(d) D. H. Chung and G. Simmons, J. Appl. Phys. (in press, 1968).