

Acknowledgements

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References

- 1) E. S. Fisher and H. J. McSkimin, *J. Appl. Phys.* 29 (1958) 1473
- 2) H. J. McSkimin and E. S. Fisher, *J. Appl. Phys.* 31 (1960) 1627
- 3) E. S. Fisher and H. J. McSkimin, *Phys. Rev.* 124 (1961) 67
- 4) C. S. Barrett, M. H. Mueller and R. L. Hitterman, *Phys. Rev.* 129 (1963) 625
- 5) J. R. Bridge, C. M. Schwartz and D. A. Vaughn, *Trans. AIME* 206 (1956) 1282
- 6) A. J. Dahl and M. S. Van Dusen, *J. Res. Natl. Bur. Std. (U.S.)* 39 (1947) 53
- 7) D. C. Ginnings and R. J. Corruccini, U.S. AEC Report NBS-A3947 (1946)
- 8) H. H. Chiswick *et al.*, *Proc. Sec. Geneva Conf. Peaceful Uses of Atomic Energy*, Vol. 6 (1958) 394
- 9) J. Friedel, *J. Phys. Chem. Solids* 1 (1956) 175
- 10) E. S. Fisher and C. J. Renken, *Phys. Rev.* 135 (1964) A482
- 11) H. J. McSkimin, *IRE Trans. on Ultrasonic Eng.* AE-5 (1957) 25
- 12) E. S. Fisher and C. J. Renken, *J. Acoust. Soc. Am.* 35 (1963) 1005
- 13) L. T. Lloyd and C. S. Barrett, *J. Nucl. Mat.* 18 (1966) 55
- 14) E. Grüneisen and E. Goens, *Z. Phys.* 29 (1924) 141
- 15) H. E. Flotow and H. Lohr, *J. Phys. Chem.* 64 (1960) 904
- 16) P. L. Smith and N. M. Wolcott, *Conf. de Phys. des Basses Temp. (France) annexe 1955-3* (September, 1955)
- 17) M. H. Mueller, Argonne (USA) Report, ANL-6516 (1961) 210