



# Reference

*Chapitre III*

- [1] P. Blaha, K. Schwarz, G. K. H. Madsen, D. Kvasnicka, J. Luitz, WIEN2K, An Augmented-Plane-Wave+Local Orbitals Program for Calculating Crystal Properties, Karlheinz Schwarz, Techn., Wien, Austria, ISBN 3-9501031-1-2, (2001).
- [2] E. Sjöstedt, L. Nordström, D. J. Singh, Solid State Commun. 114, 15 (2000).
- [3] K. Schwarz, P. Blaha, G. K. H. Madsen, Comp. Phys. Commun. 147, 71 (2002).
- [4] Z. Wu and R. E. Cohen, Phys. Rev. B 73, 235116 (2006).
- [5] F. D. Murnaghan, Proc. Natl. Acad. Sci. USA 30, 5390 (1944).
- [6] F. D. Murnaghan, Proc. Natl. Acad. Sci. U. S. A. 3, 244 (1944).
- [7] S. Desgreniers, Phys. Rev. B 58 (1998) 14102.
- [8] J. Serrano, A.H. Romero, F.J. Manjon, R. Lauck, M. Cardona, A. Rubio, Phys. Rev. B 69 (2004) 094306.
- [9] A. Continenza, S. Massida, and A. J. Freeman, Phys. Rev. B **38**, 12996 (1988).
- [10] W. A. Harrison, electronic structure and the properties of solids, the physics of the chemical band, Stanford university (1989).
- [11] Gun-Do Lee , and Jisoon Ihm Phys Rev B 3, 1459(1995)
- [12] Y.Z.Zhu , G.D.Chen , and Honggag Ye Phys Rev B 77,245209 (2008).
- [13] A. Mang, K. Reimann, S. Rubenacke, Solid State Commun. 94 (1995) 251
- [14] M. Usuda, N. Hamada, Phys. Rev. B 66 (2002) 125101.
- [15] J. R. .Chelikowsky and A. Jin, Phys. Rev. B **40**, 9644 (1989).
- [16] Lehmann, G. and Tant. M, on the numerical calculation of the density of states and related properties, Phys. Status Solidi B**54**, 469 (1972).
- [17] James D. Pack and Hendrik J. Monkhorst . Phys. Rev 16-1748 (1977).
- [18] R. N. Bhargava, D. Gallagher, X. Hong, and A. Nurmikko, Phys. Rev. Lett **72**, 416 (1994).
- [19] G. P. Schwarz, M. S. Hybertsen, J. Berk, R. G. Nuzzo, J. L. Mannaerts, and G. J. Gualtieri, Phys. Rev. B **39**, 1235 (1989).
- [20] S. Wei and A. Zunger, Phys. Rev. B 35, 2340 (1987).

- [21] A. Fazzio, M. J. Caldas and A. Zunger, Phys. Rev. B 30, 3430 (1984).
- [22] N. E. Christensen, S. Satpathy, and Z. Pawlowska, Phys. Rev. B **36**, 1032 (1987).
- [23] A. Qteish, R. Said, N. Meskini, and A. Nazzal, Phys. Rev. B **52**, 1830 (1995).
- [24] M. Rohlfing, P. Krüger and J. Pollmann, Phys. Rev. Lett. **75**, 3489 (1995).
- [25] D. Vogel, P. Krüger, and J. Pollmann, Phys. Rev. B **54**, 5495 (1996).
- [26] S.wei and L.kleinman ,phys.Rev.116.287 (1987).
- [27] V. L. Morozzi, J. F. Janak and A. R. Williams, calculated electronic properties of metals ( Pergamon, New York) 1978.
- [28] M. Taniguchi, L. Ley, R. L. Johnson, J. Ghijsen and M. Cardona, Phys. Rev. B 33, 1206 (1986).
- [29] J. A. Gaj, R. Planel and G. Fishman, Solid State Commun. 29, 435 (1979).
- [30] N. T. Khoi and J. A. Gaj, Phys. Status Solidi B 83, K133 (1977)