



# 目 次

I. Review ab initio	
1. Ya. Pokrovskii: Condensation of Non-Equilibrium Charge Carriers in Semiconductors Phys. Status Solidi a <u>11</u> (1972) 385-410 .....	1
II. Basic Theory	
2. W. F. Brinkman and T. M. Rice: Electron-Hole Liquids in Semiconductors Phys. Rev. <u>B7</u> (1973) 1508-1523 .....	27
III. Luminescence	
3. C. Benoit à la Guillaume and M. Voos: Condensation of Free Excitons into Electron-Hole Drops in Pure Germanium Phys. Rev. <u>B5</u> (1972) 3079-3087 .....	43
4. C. Benoit à la Guillaume and M. Voos: Electron-Hole Drops in Pure Ge Phys. Rev. <u>B7</u> (1973) 1723-1727 .....	52
IV. Nucleation	
5. R. M. Westervelt: Nucleation Phenomena in Electron-Hole Drop Formation in Ge and Si Part I: Nucleation Rates: Phys. Status Solidi b <u>74</u> (1976) 727-739 ....	57
6. R. M. Westervelt: Nucleation Phenomena in Electron-Hole Drop Formation in Ge and Si Part II: Application to Observable Phenomena: Phys. Status Solidi b <u>76</u> (1976) 31-43 .....	70
V. Large Electron-Hole Drop	
7. J. P. Wolfe, R. S. Markiewicz, S. M. Kelso, J. E. Furneaux and C. D. Jeffries: Properties of the Strain-Confined Electron-Hole Liquid in Ge Phys. Rev. <u>B18</u> (1978) 1479-1503 .....	83
VI. Magneto-Oscillation	
8. K. Betzler, B. G. Zhurkin and A. L. Karuzskii: Magnetic-Field Dependent Intensity Oscillations of the EHD Luminescence in Pure Germanium Solid State Commun. <u>17</u> (1975) 577-579 .....	108
9. T. Ohyama, A. D. A. Hansen and J. L. Turney: Magneto-Acoustic Absorption by the Electron-Hole Liquid in Stressed Germanium Solid State Commun. <u>19</u> (1976) 1083-1086 ...	111
VII. Magnetoplasma	
10. J. R. Dixon, Jr. and J. K. Furdyna: Radius-Independent Resonances in Electron-Hole Drop Magnetoplasmas Phys. Rev. <u>B19</u> (1979) 4167-4180 .....	115
解説と文献 .....	129