

1. LL1 §15, problems 1,2,3 (Kepler's problem)
2. LL1 §18, problems 1,2,3,4,5,6,7 (Scattering)
3. LL1 §22, problems 1,2,3,4,5 (Forced oscillations)
4. LL1 §37, problems 1,2 (The asymmetrical top)
5. LL1 §51, problems 1,2 (Adiabatic invariants)
6. LL2 §50, problems 1,2,3 (Partially polarized light)
7. LL2 §63 problem 1 §64, problem 1 (The Lienard-Wiechert potentials and Spectral resolution of the retarded potentials)
8. LL2 §61 problem 1,2,3 (Fraunhofer diffraction)
9. LL2 §65, problems 1,2 (The Lagrangian to terms of second order)
10. LL2 §67, problems 1,2 (Dipole radiation)
11. LL2 §70, problems 1,2 (Radiation in the case of Coulomb interaction)
12. LL2 §71, problems 1,2 (Quadropole and magnetic dipole radiation)
13. LL2 §74, problems 1,2 (Synchrotron radiation)

14. LL3 §45, problems 1,2 (Potential energy as a perturbation)
15. LL3 §50, problems 1,2,3 (Penetration through a potential barrier)
16. LL3 §62, problems 1,2 (Exchange interaction)
17. LL3 §69, problems 1,2 (The self consistent field and the Helium atom)
18. LL3 §75, problems 1,2,3 (Multipole moments)
19. LL3 §112, problems 1 (Motion in a uniform magnetic field)
20. LL5 §61, problems 1,2,3 (A relativistic degenerate electron gas)
21. LL5 §112, problems 1,4,7,8,9 (Fluctuations of fundamental thermodynamic Quantities)
22. LL5 §90, problems 1,2,3 (Solutions)
23. LL6, §61, problem 1,2,3 (Surface phenomena).
24. LL6, §64, problem 1,2 (Sound waves)
25. LL6, §68 problem 1,2 (Sound in a moving medium)
26. LL6, §74 problem 1,5,6 (The emission of sound)

27. LL7, §7, problem 3,4 (Equilibrium of isotropic bodies).

28. LL8, §76, problem 1,2 (Moving dielectrics).

29. LL10, §10, problem 1 (Thermal conductivity of monatomic gas).