

REFERENCES



- Abe, R. and Okamoto, K. 1971. An Improvement of the Feynman Action in the Theory of Polaron. I Journal of the Physical Society of Japan, 31:1337-1343.
- Adler, D. 1970. Electronic Phase Transitions, in Essays in Physics, Vol 1. Eds, G.K.T. Conn, and G.N. Fowler, London and New York : Academic Press, 33-47.
- Appel, J. 1968. Polarons, in Solid State Physics, 21:193-391. New York and London : Academic Press.
- Born, M. and Huang, K. 1965. Dynamical Theory of Crystal Lattices. Oxford : Clarendon Press, 91.
- Feynman, R.P. 1950. Mathematical Formulation of Quantum Theory of Electromagnetic Interaction. Physical Review, 80:440-457.
- Feynman, R.P. 1955. Slow Electrons in Polar Crystals. Physical Review, 97:660-665.
- Feynman, R.P. and Hibbs, A.R. 1965. Quantum Mechanics and Path Integrals, New York : McGraw- Hill, 26.
- Friedman, B. 1956. Principle of Techniques of Applied Mathematics, New York : John Wiley and Sons, 105.
- Fröhlich, H. 1954. Electrons in Lattice Fields. Advances in Physics, 3:325-361.

- Fröhlich, H. 1962. Introduction to the Theory of the Polaron, in Polarons and Excitons. Eds. C.G. Kuper, and G.D. Whitfield, Edinburgh and London : Oliver and Boyd, l.
- Fulton, T. 1956. Self-Energy of the Polaron for Intermediate Temperatures. Physical Review, 103:1712.
- Hellwarth, R.W., and Platzman, P.M. 1962. Magnetization of Slow Electrons in a Polar Crystal. Physical Review, 128:1599-1604.
- Krivoglaz, M.A. and Pekar, S.I. 1957. Section on the Theory of Semiconductors. Bulletin of the Academy of Sciences of the USSR, Physical Series (English Translation), 21:1-32.
- Lee, T.D. and Pines, D. 1953. Interaction of a Nonrelativistic Particle with a Scalar Field with Application to Slow Electrons in Polar Crystal. Physical Review, 92:883.
- Lee, T.D., Low, F.E., and Pines, D. 1953. Physical Review, 90:297.
- Marshall, J.T. and Chawla, M.S. 1970. Feynman Path-Integral Calculation of the Polaron Effective Mass. Physical Review B, 2:4283-4287.
- Okamoto, K. and Abe, R. 1972. An Improvement of the Feynman Action in the Theory of Polaron. II Journal of the Physical Society of Japan, 33:343-347.

- Osaka, Y. 1959. Polaron State at a Finite Temperature. Progress of Theoretical Physics, 22:437-446.
- Platzman, P.M. 1962. Ground-State Energy of Bound Polarons. Physical Review, 125:1961-1964.
- Schultz, T.D. 1969. Slow Electrons in Polar Crystals: Self Energy, Mass, and Mobility. Physical Review, 116:526-543.
- Schultz, T.D. 1962. Feynman's Path Integral Method Applied to the Equilibrium Properties of Polarons and Related Problems. in Polarons and Excitons. Edinburgh and London: Oliver and Boyd, 71.
- Yokota, T. 1953. Interaction in the Electron-Lattice System(I) Correspondence Principle. Busseiron-Kenkyu, 69:137.

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