

References

1. Research performed in part under the auspices of the U.S. Atomic Energy Commission. Presented at ^{the} "Symposium on Mechanisms of Electrode Reactions", 142nd A.C.S. National Meeting, Atlantic City, 1962. For Part IV see ref. 5e. Related papers are listed under ref. 5.
2. Alfred P. Sloan Fellow. Visiting Senior Scientist at B.N.L. Present address: Department of Chemistry, Polytechnic Institute of Brooklyn.
3. For detailed reviews of homogeneous reactions, see (a) N. Sutin, Ann. Rev. Nuclear Sci. 12, 000 (1962) and (b) J. Halpern, Quart. Revs. (London) 15, 207 (1961).
4. For detailed summary of electrode kinetic data, see (a) N. Tanaka and R. Tamamushi, "Kinetic Parameters of Electrode Reaction", a report presented to the Commission on Electrochemical Data of the Section of Analytical Chemistry of I.U.P.A.C., at the International Congress of Pure and Applied Chemistry, Montreal, 1961. Copies are obtainable from H. Fischer, Department of Electrochemistry, Institute of Technology, Karlsruhe, Germany; (b) J. Jordan, in Analytical Handbook, L. Meites, Ed., McGraw-Hill (1963).
5. R. A. Marcus (a) J. Chem. Phys. 24, 966 (1956); (b) O.N.R. Technical Report No. 12. Project NR 051-331 (1957); (c) Can. J. Chem. 37, 155 (1959); (d) Trans. Symposium Electrode Processes, E. Yeager, Ed. John Wiley and Sons, New York (1961) p. 239; (e) Discussions Faraday Soc. 29, 21 (1960); (f) unpublished results for the electrochemical case, analogous to those in (e).[¶] Eq. (5) of the present paper, which is a convenient approximation to the results obtained in sections (ii) and (iii) of ref. 5e, will be discussed in detail elsewhere. As will be pointed out in ref. 9, there is also a relatively minor reorganization term for the surrounding electrolyte but one which does not alter the correlations in this paper. Because of the apparent smallness, we have omitted it in the present paper.; (g) Note on Eqs. (1) to (3): In a notational change to conform with ref. 5e, w^* and w in ref. 5c are now written as w and w^D , respectively. The factor of $\frac{1}{2}$ in Eq. (8) of ref. 5c is now incorporated in the present definition of λ_0 for the electrode system, and "e" has been replaced by its molar equivalent, the Faraday F. The values of Z in the