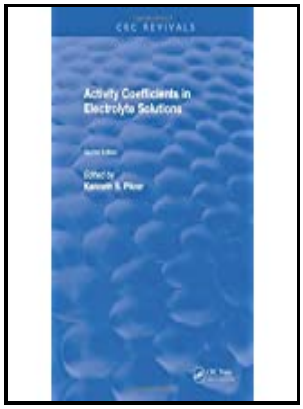
# Electrolyte solutions - the measurement and interpretation of conductance, chemical potential and diffusion in solutions of simple electrolytes, by R.A. Robinson and R.H. Stokes.

## Butterworths - Electrolyte Solutions

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Notes: Includes bibliography.
This edition was published in 1965



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**Electrolyte Solutions: Second Revised Edition**

DIFFUSION IN E L E C T R O L Y T E SOLUTIONS One of the most fundamental of irreversible processes is that of diffusion, by which a difference of concentration is reduced by the spontaneous flow of matter. Measurements of E at various frequencies in the region of substantial change can therefore determine both 8, and T. In some cases, however, as when a liquid diffuses into a solid which swells as a result of the diffusion, it may be convenient to measure from the moving surface of the solid.

**9780486422251**

In many of the methods currently in use, however, the variation of c with both time and distance is of interest; for these cases 2. We collaborated intermittently there until 1946, when I left for Australia and he shortly afterwards to the then University of Malaya in Singapore.

**Electrolyte Solutions: The Measurement and Interpretation of Conductance ...**

In an adjacent volume-element, the same fraction may be considered as moving in the negative x-direction; now if the concentration in the first volume-element is greater than that in the second, this means that more particles will be leaving the first element for the second than will be re-entering from the second to the first, so there will be a resultant flow of solute in the direction of lower concentration. There is, for example, little difference between the ionic conductivities of chloride and iodide ions, though the latter has nearly four times the m a s of the former. In addition to the text itself, more than 90 pages of tabulated properties in the appendices make this an indispensable reference for serious researchers in the field.

**Robert Anthony Robinson**

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**Robert Anthony Robinson**

An example is the cell: H, 1 atm.

**Electrolyte Solutions by Robinson R a Stokes R H**

Shipping may be from our Sydney, NSW warehouse or from our UK or US warehouse, depending on stock availability. The first edition 1955 of Electrolyte Soluti; ons was written while I was in Perth Western Australia , which had an excellent airmail service to Singapore.

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Digital Library Federation, December 2002. It is desirable, whenever possible, to write the cell in such a way that, when the spontaneous cell reaction proceeds, positive current goes from left to right through the cell and in the opposite direction in the external circuit.

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