



Computer Programs for the Evaluation of Activity and Osmotic Coefficients (Classic Reprint) (Hardback)

By Bert R Staples

Forgotten Books, 2017. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Computer Programs for the Evaluation of Activity and Osmotic Coefficients The Electrolyte Data Center at the National Bureau of Standards is engaged in the critical evaluation of equilibrium thermodynamic properties of electrolyte solutions. A number of specialized computer programs have been developed for the purposes of calculating thermodynamic properties from experimental data and for subsequent data manipulation, including non-linear least-squares fitting of the data to empirical or semi-empirical equations to describe the function over a range of compositions, temperatures or other parameters. The computer programs form an essential part of the evaluation scheme. The documentation of the Operations involved in such critical evaluations is desirable, in order to provide a set of tested programs suitable for the reduction of experimental data and, as a ready reference for users of these programs. This Technical Note presents the detailed equations involved in the critical evaluation of mean activity and osmotic coefficients and the details of programs which provide machine-calculation of these and related properties. The programs are listed in the Extended basic language and have been run on a time-shared CDC-6000...



READ ONLINE
[7.38 MB]

Reviews

This sort of publication is everything and made me seeking forward and much more. Better then never, though i am quite late in start reading this one. I am easily could possibly get a delight of reading through a created pdf.

-- **Quinton Balistreri**

A really amazing ebook with lucid and perfect answers. I am quite late in start reading this one, but better then never. You are going to like the way the blogger write this pdf.

-- **Prof. Bertram Ullrich Jr.**