

Book Review

DIETRICH SCHULTZE: *Differentialthermoanalyse*. VEB Deutscher Verlag der Wissenschaften, Berlin, 1969, p. 335 (Series "Physikalisch-chemische Trenn- und Meßmethoden", Volume 14)

The monograph *Differentialthermoanalyse* which appeared as volume 14 of the series "Physikalisch-chemische Trenn- und Meßmethoden" is a stop-grap work which gives a good survey of differential thermal analysis (DTA) useful not only to those working in the field of thermal analysis but also to other chemists. The monograph is a logically constructed, concise and well edited work. After a brief survey of the history the principle and general applications of the DTA method are treated. Then various types of DTA equipments are described as well as the combination of the method with other instrumental techniques. This section of the book is concise and is only confined to the essence. After dealing with the theory of the method the author

gives an example so making connections with the practice.

The comprehensive tables given in the book are noteworthy, as they contain valuable data useful for both theoretical and practical research workers.

In the second half of the monograph the special fields of application of the DTA method are treated. The results of investigations concerning metals, inorganic compounds, silicates, building materials, minerals, semiconductors, complexes, low and high molecular weight organic compounds, fuels, explosives and catalysts are given on the basis of a great number of literary data. Separate chapters contain the results obtained during the past some years. References given in the book are easy to survey. In addition to reviews nearly 1000 papers are cited.

The presentation of the book is nice, it is richly illustrated with figures and tables which make the problems mentioned easy to understand.

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