

Journal of Thermal Analysis 1972 vol.4 N3, pages 323-330

The application of simultaneous recording of electrical conductivity and DTA in the study of binary and ternary salt systems

Burmistrova N., Volozhanina E., Dubkova N.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The advantages of the simultaneous recording of electrical conductivity curve and DTA curves in the investigation of salt mixtures is demonstrated on a number of examples. With sufficiently slow recording, at a heating rate of 5-10°/min, all the changes occurring in the mixture investigated, and connected with the differing electrical conductivities of the different phases which appear and disappear in the process of heating or cooling, are well reflected on the electrical conductivity curve. © 1972 Wiley Heyden Ltd., Chichester and Akadémiai Kiadó, Budapest.

<http://dx.doi.org/10.1007/BF01911694>
