QUANTITATIVE ANALYSIS OF IONIC COMPOSITION OF NONCOMPLETELY DISSOCIATING IONITE'S PHASE IN EQUILIBRIUM WITH MULTICOMPONENT SOLUSIONS OF STRONG ELECTROLYTS

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There is an unstructured model of a noncompletely dissociating ionite in a mixed multiionic form, based on exact thermodynamical analysis of equilibrium chemical composition of its phase under the conditions of gegenion formation with ionite-fixed ionic pairs of different stability. On the assumption of inspected conceptions, a formula for ionic dissociation in a mixed multiionic form was derived, which generalizes the Oswald's formula for dissociation of binary electrolytes. The dependance was determined in accordance with gegenion composition of stability "constants", formed with ionite-fixed ionic pairs, the dissociation level and ionic selectivity ratio in a mixed multiionic form from equilibrium ionic composition of multicomponent solutions of strong electrolyts. The proposed quantitative approach was given of possibility for prediction of multicomponent ionic-exchange sorption's isothermes on noncompletely and nonisoselectivity dissociating ionites from experimental biionic equilibriums - for any number of componentes in ionic-exchange systems.