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The Degrees of Dissociation of Weak Multibasic Organic Acids

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Abstract

New equations for the accurate determination of the degrees of dissociation of weak multibasic organic acids with similar values of the dissociation constants of various steps are suggested and compared with the existing ones. The concept of the partial degree of dissociation of a given step, which more exactly describes the nature of the dissociation at this step, is also suggested. The cases of weak dibasic and tribasic organic acids and a general case of weak multibasic acids, H_nA, are considered.

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