Thematic Section: Theoretical Research. **Full Paper**
Subsection: Analytical Chemistry. *Registration Code of Publication:* 13-34-6-91
Publication is available for discussion in the framework of the on-line Internet conference "*Butlerov readings*".
http://butlerov.com/readings/
Contributed: July 11, 2013.

Method for defining the equivalence point from potentiometric mesurements

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Keywords: *potentiometric titration, approximations of a titration curve, analysis of errors, methyl-O,O-di-(oxyranylmethyl)phosphonate.*

Abstract

Six-parameter function for approximation of potentiometric titration curves is offered. It is shown, that this function describes the real titration curves rather well. The algorithm of equivalence point definition, based on determination of parameters for this function from the results of the potentiometric titration by the method of least squares is developed. Estimates of stability for the offered way of defining the measurement errors have been done. Practical suitability of the method is shown on the example of defining methyl-*O,O*-di-(oxyranylmethyl)phosphonate main substance content.