

## **Calculation of Uncertainties in Construction of Calibration Curves**

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Different schemes of carrying out a measurement experiment are considered: a confluent situation and a planned experiment. The key factors influencing accuracy of constructing calibration curves are analyzed: uncertainty of a model, uncertainties of input data, uncertainties of realization of an algorithm for evaluation of parameters of the curve. Equations are given for calculation of standard uncertainties for components and the expanded combined uncertainty. Influence of calibration points position on the uncertainty of the constructed calibration curve is considered. Different approaches to a solution of the problem of designing measurements in construction of calibration curves are proposed.