

Abstract

The project is aimed to the study of the titration curves of the weak and strong acid mixtures.

Purpose of the project is to compare titration curves computed on the basis of simple model, when neglecting influence of the solution's ionic strength, with experimental titration curve obtained through measuring under standard laboratory conditions. This comparison is carried out for one strong acid in the mixture with various weak acids, that differ in value of dissociation constant. How titration curves are influenced by the ratio of concentration of strong and weak acids is observed further.