
Abstract

Equations were derived for the current, convolute and their derivs. of the complex adsorptive irreversible systems uncontrolled by the complexation rate. A systematic study on the peak shapes and the relation of peak current vs. relevant parameters was carried out. Exptl. verification of the peak potential equation given in this paper is demonstrated with a system of benzophenone, 0.15 mol/L LiCl and 50% ethanol. The theory is applicable also to simple adsorptive irreversible systems.