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Voltammetry of Benzenepolycarboxylic Acids at the Solid Electrodes

Elene -. Kvaratskhelia[1] and R. Kvaratskhelia[2]

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[1] Institute of Inorganic and Electrochemistry

[2] Georgian Academy of Sciences

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Abstract

The study of voltammetry of the four benzenepolycarboxylic acids: trimellitic, trimesic, pyromellitic and mellitic acids at the Pt, Cu, Ta, Cu-Hg electrodes in aqueous and mixed area (the water-ethanol and water-pyridine mixtures) shows that these acids in all cases form the hydrogen ions discharge process waves. With the aid of the suggested by authors method the values of the degrees of dissociation of investigated acids were calculated. With the aid of obtained voltammetric data the values of dissociation constants of acids were estimated.

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