

integral capacitance

of an electrode

Integral capacitance (per unit area of electrode) is given by

$$K = \frac{Q}{E - E_{Q=0}}$$

where Q is the electric charge (per unit area of electrode), E is the potential of the electrode with respect to a reference electrode, and $E_{Q=0}$ is the potential at the point of zero charge.

Source:

PAC, 1974, 37, 499 (*Electrochemical nomenclature*) on page 509