doi:10.1351/goldbook.V06639

voltammetric constant

In linear-sweep voltammetry and related techniques, the empirical quantity defined by the equation

$$\frac{i_p}{A\sqrt{v}\,c_{\mathrm{B}}} \quad \left(= \frac{j_p}{\sqrt{v}\,c_{\mathrm{B}}}\right)$$

where i_p is the peak current, A is the area of the electrode-solution interface, v is the rate of change of applied potential, and c_{B} is the bulk concentration of the substance B whose reduction or oxidation is responsible for the peak in question.

Source:
PAC, 1985, *57*, 1491 *(Recommended terms, symbols, and definitions for electroanalytical chemistry (Recommendations 1985))* on page 1505

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