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diffusion current constant

in polarography

The empirical quantity defined by the equation

$$i = \frac{i_{\mathrm{d},l}}{c_{\mathrm{B}}\, m^{\frac{2}{3}}\, t_1^{\frac{1}{6}}}$$

where $i_{\mathrm{d},l}$ = limiting diffusion current, c_{B} = bulk concentration of the substance **B** whose reduction or oxidation is responsible for the wave in question, m = average rate of (mass) flow of mercury (or other liquid metal) and t_1 = drop time.

Source:

PAC, 1985, *57*, 1491 *(Recommended terms, symbols, and definitions for electroanalytical chemistry (Recommendations 1985))* on page 1500

