Yukawa–Tsuno equation

A multiparameter extension of the Hammett equation to quantify the role of enhanced resonance effects on the reactivity of *meta*- and *para*-substituted benzene derivatives, e.g.

$$\log_{10}k = \log_{10}k_0 + \rho\,[\sigma + r\,(\sigma^+ - \sigma)]$$

The parameter r gives the enhanced resonance effect on the scale $(\sigma^+ - \sigma)$ or $(\sigma - \sigma)$, respectively.

See also: ρ-value, σ-constant

Source:
PAC, 1994, *66*, 1077 *(Glossary of terms used in physical organic chemistry (IUPAC Recommendations 1994))* on page 1176