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