

### 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.

$$\lg k = \lg k_0 + \rho[\sigma + r(\sigma^+ - \sigma)]$$

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

See also  *$\rho$ -value*,  *$\sigma$ -constant*.

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