pre-exponential factor, A

Also contains definition of: A-factor

Synonym: Arrhenius A factor

Coefficient in front of the exponential factor expressing the empirical temperature dependence of the rate coefficient, k, on temperature, T, $k = A \exp(-E_a / R\,T)$, where E_a is the activation energy.

Source:
Green Book, 2nd ed., p. 56
PAC, 1996, *68*, 149 *(A glossary of terms used in chemical kinetics, including reaction dynamics (IUPAC Recommendations 1996))* on page 177