## Important Kinetics for Set of Three Parallel Reactions Formulas PDF









#### Variables used in list of Kinetics for Set of Three Parallel Reactions Formulas above

- A0 Initial Concentration of Reactant A (Mole per Liter)
- C Concentration of C at time t (Mole per Liter)
- k1 Reaction Rate Constant 1 (1 Per Second)
- k2 Reaction Rate Constant 2 (1 Per Second)
- k<sub>3</sub> Rate Constant of Reaction 3 (1 Per Second)
- RA Reactant A Concentration (Mole per Liter)
- Rb Concentration of Reactant B (Mole per Liter)
- Rd Concentration of reactant D (Mole per Liter)
- t Time (Second)
- t<sub>1/2av</sub> Life Time for Parallel Reaction (Second)
- TctoA 3 Time C to A for 3 Parallel Reaction (Second)
- TDtoA Time D to A for 3 Parallel Reaction (Second)

#### Constants, Functions, Measurements used in list of Kinetics for Set of Three Parallel Reactions Formulas above

- Functions: exp, exp(Number) n an exponential function, the value of the function changes by a constant factor for every unit change in the independent variable.
- Functions: In, In(Number) The natural logarithm, also known as the logarithm to the base e, is the inverse function of the natural exponential function.
- Measurement: Time in Second (s)
   Time Unit Conversion
- Measurement: Molar Concentration in Mole per Liter (mol/L) Molar Concentration Unit Conversion
- Measurement: First Order Reaction Rate Constant in 1 Per Second  $(s^{-1})$

First Order Reaction Rate Constant Unit Conversion 🕝



- Important Kinetics for Set of Two Parallel Reactions
   Formulas (\*)
- Important Kinetics for Set of Three Parallel Reactions
  Formulas

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• 🔀 Percentage decrease 🕝

• 🗱 HCF of three numbers 🕝

• Multiply fraction C

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