



Zero Order followed by First Order Reaction Formulas

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Examples!

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List of 9 Zero Order followed by First Order Reaction Formulas









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Variables Used

- Co Initial Conc. of Reactant for Intermediate Conc. (Mole per Cubic Meter)
- CA Reactant Concentration for Multiple Rxns (Mole per Cubic Meter)
- Ca0 Initial Reactant Concentration using Intermediate (Mole per Cubic Meter)
- CA0 Initial Concentration of Reactant for Series Rxn (Mole per Cubic Meter)
- C_R Intermediate Concentration for Series Rxn (Mole per Cubic Meter)
- CR.max Maximum Intermediate Concentration (Mole per Cubic Meter)
- K Overall Rate of Reaction (Mole per Cubic Meter Second)
- ko Rate Constant for Zero Order Rxn (Mole per Cubic Meter Second)
- k1 Rate Constant for 1st Order 2nd Step (Mole per Cubic Meter Second)
- Δt Time Interval (Second)
- Δt' Time Interval for Less Reaction Time (Second)
- Δt" Time Interval for Greater Reaction Time (Second)
- TR.max Time at Maximum Intermediate Concentration (Second)

Constants, Functions, Measurements used

- Function: exp, exp(Number) Exponential function
- Measurement: Time in Second (s) Time Unit Conversion
- Measurement: Molar Concentration in Mole per Cubic Meter (mol/m³) Molar Concentration Unit Conversion
- Measurement: Reaction Rate in Mole per Cubic Meter Second (mol/m^{3*}s) Reaction Rate Unit Conversion



Check other formula lists

- Basics of Potpourri Reactions Formulas C
- First Order followed by Zero Order Reaction
 Formulas
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 Formulas

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