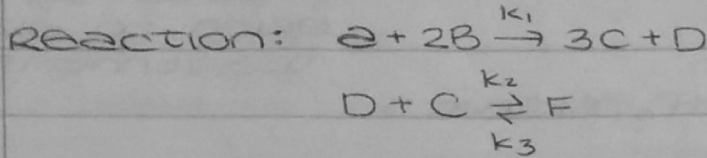


March 9th

Modelling



part one

bic reactant is broken up bic 2B

$$\frac{d[A]}{dt} = v_{1,A} = -k_1[A][B]^2$$

^ the speed of component 1 with respect to a

$$v_{1,B} = -2k_1[A][B]^2$$

$$v_{1,C} = 3k_1[A][B]^2$$

$$v_{1,D} = k_1[A][B]^2$$

part one

part two

$$v_{2,C} = -k_2[C][D]$$

$$v_{2,D} = -k_2[C][D]$$

$$v_{2,F} = k_3[C][D]$$

* the compositor takes in all these parts

part three

$$v_{3,C} = k_3[F]$$

$$v_{3,D} = k_3[F]$$

$$v_{3,F} = -k_3[F]$$

constants for next model

- $k = 10^{-6}$ degradation \approx ohh...
- $n = 2$
- transcription $\approx 0.5/s$
- DNA tot $\approx 10^{-6}$
- time span \approx hrs