

SI Session 11
10/08/25

- What is the steady state assumption?

- What is E_t ?

- Define velocity in an enzymatic sense

- Define initial velocity

- Draw the simplest reversible enzymatic reaction

- From the reaction above, how would we derive the equation for velocity?

- Derive the equation for V_{max} from the above reaction. What does V_{max} represent?

- Draw the graph representing the amount of product formed/ time. After a long period of time, what is happening?
- What is the Michaelis constant (K_m)? What does it represent?
- Derive the Michaelis-Menten equation