

8.1

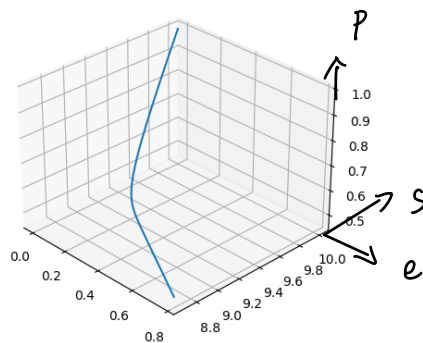
$$\frac{d[P]}{dt} = k_3 [ES]$$

$$\frac{d[ES]}{dt} = k_1 [E][S] - k_2 [ES] - k_3 [ES]$$

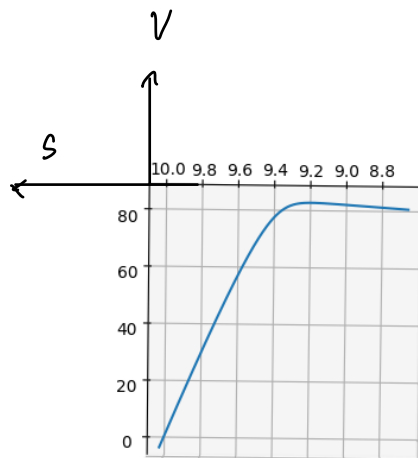
$$\frac{d[S]}{dt} = k_2 [ES] - k_1 [E][S]$$

$$\frac{d[E]}{dt} = -k_1 [E][S] + k_2 [ES] + k_3 [ES]$$

8.2



8.3



from the plot when concentration of S is large
V perform linear but when S is smaller than
8.8 , V saturate to 80