

Assignment 1: Results

Question 1: The “Living” Ice

S_2	K_m/V_{\max}	$1/V_{\max}$	$-1/K_{m1}$	R^2	V_{\max}	K_{m1}
0.05	0.1000	3.0000	-30.0000	1.0000	0.3333	0.0333
0.1	0.1000	2.0000	-20.0000	1.0000	0.5000	0.0500
0.2	0.1000	1.5000	-15.0000	1.0000	0.6667	0.0667
0.5	0.1000	1.2000	-12.0000	1.0000	0.8333	0.0833
1.0	0.1000	1.1000	-11.0000	1.0000	0.9091	0.0909
10000.0	0.1000	1.0000	-10.0001	1.0000	1.0000	0.1000

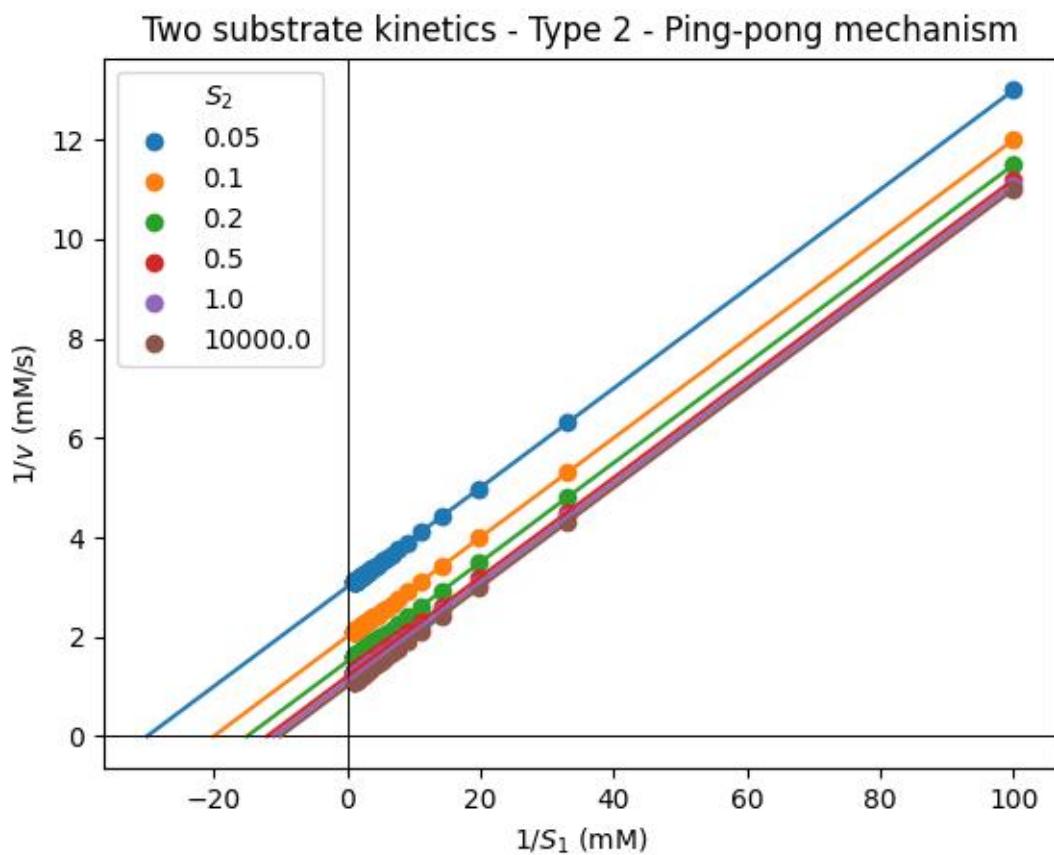


Figure 1: Two substrate kinetics - Type 2 - Ping-pong mechanism

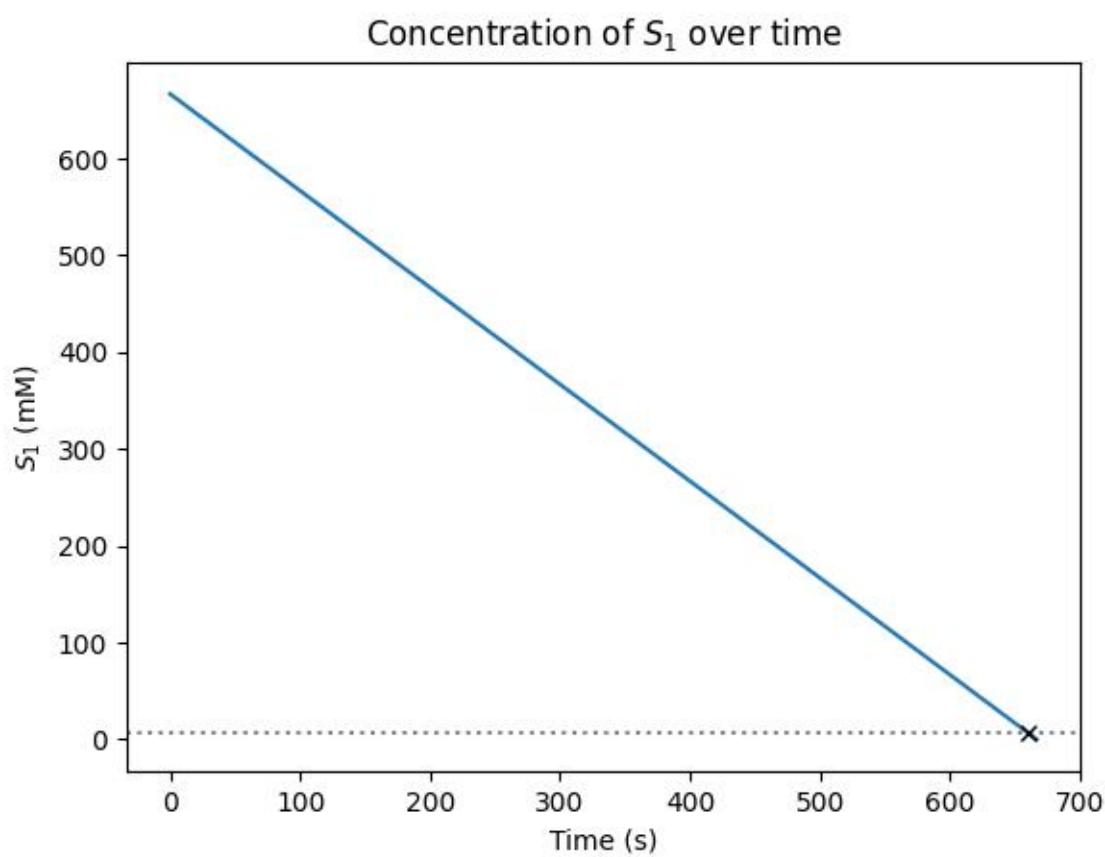


Figure 2: Concentration of S_1 over time