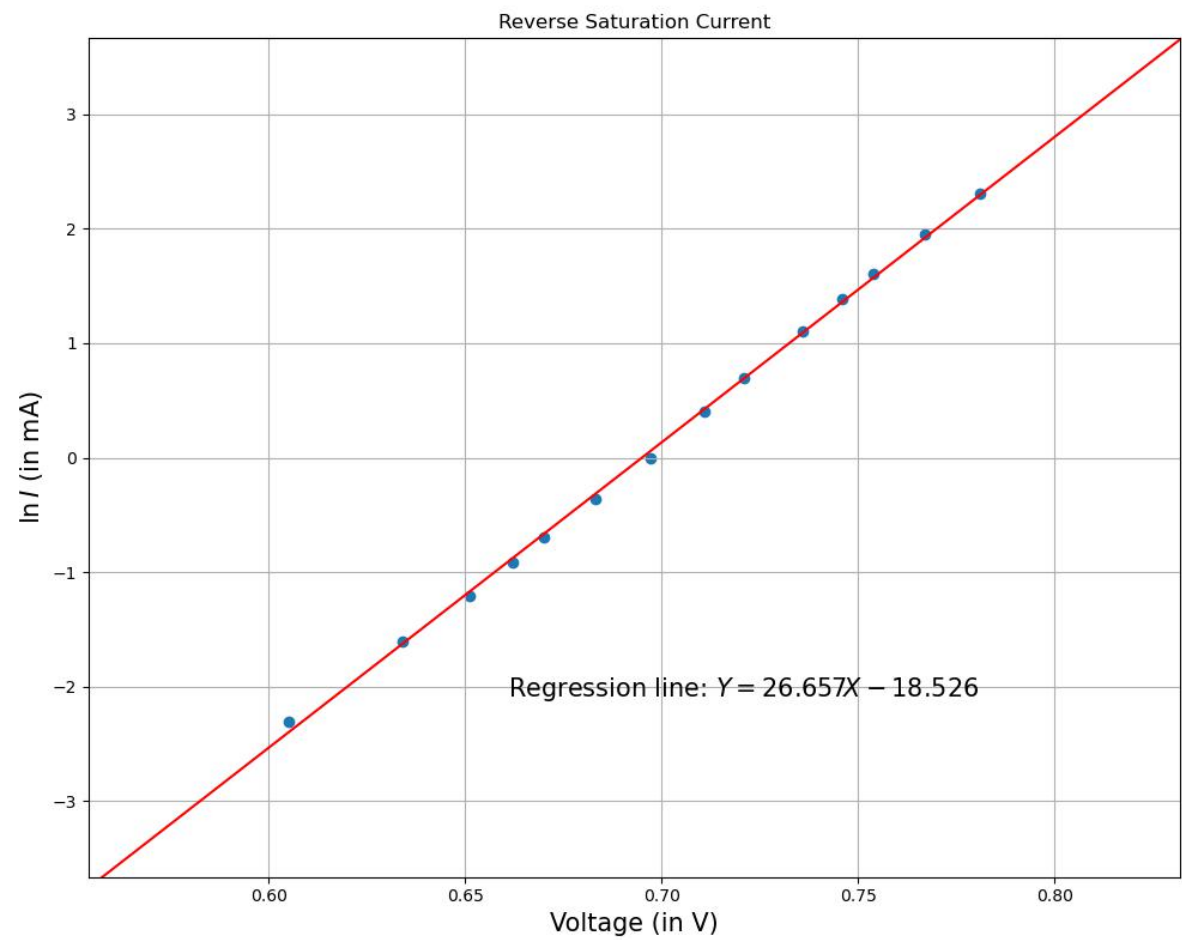


Part A

Data

	Current (in mA)	Voltage (in V)	lnI
0	0.1	0.605	-2.303
1	0.2	0.634	-1.609
2	0.3	0.651	-1.204
3	0.4	0.662	-0.916
4	0.5	0.670	-0.693
5	0.7	0.683	-0.357
6	1.0	0.697	0.000
7	1.5	0.711	0.405
8	2.0	0.721	0.693
9	3.0	0.736	1.099
10	4.0	0.746	1.386
11	5.0	0.754	1.609
12	7.0	0.767	1.946
13	10.0	0.781	2.303

Plot

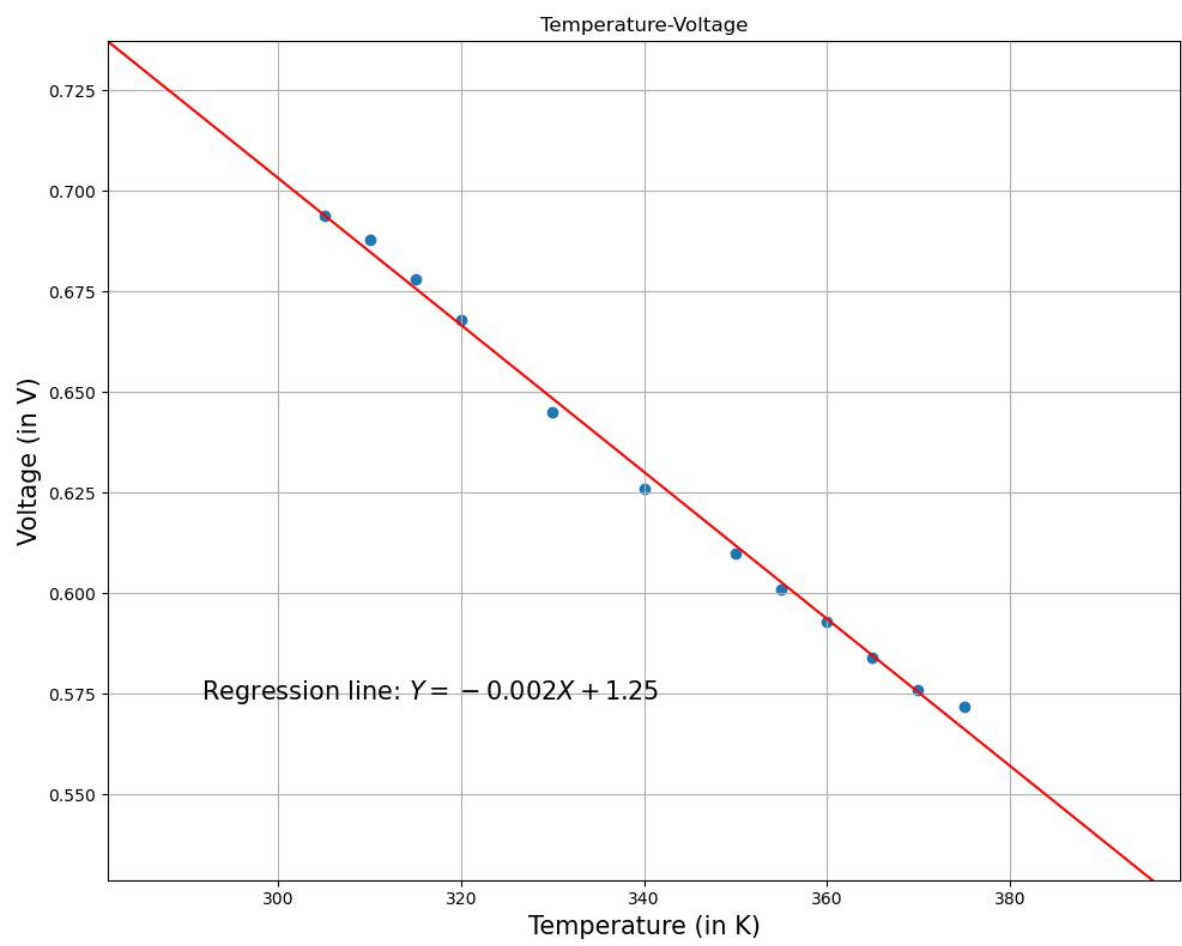


Part B

Data

	Temperature (in K)	Voltage (in V)
0	305	0.694
1	310	0.688
2	315	0.678
3	320	0.668
4	330	0.645
5	340	0.626
6	350	0.610
7	355	0.601
8	360	0.593
9	365	0.584
10	370	0.576
11	375	0.572

Plot

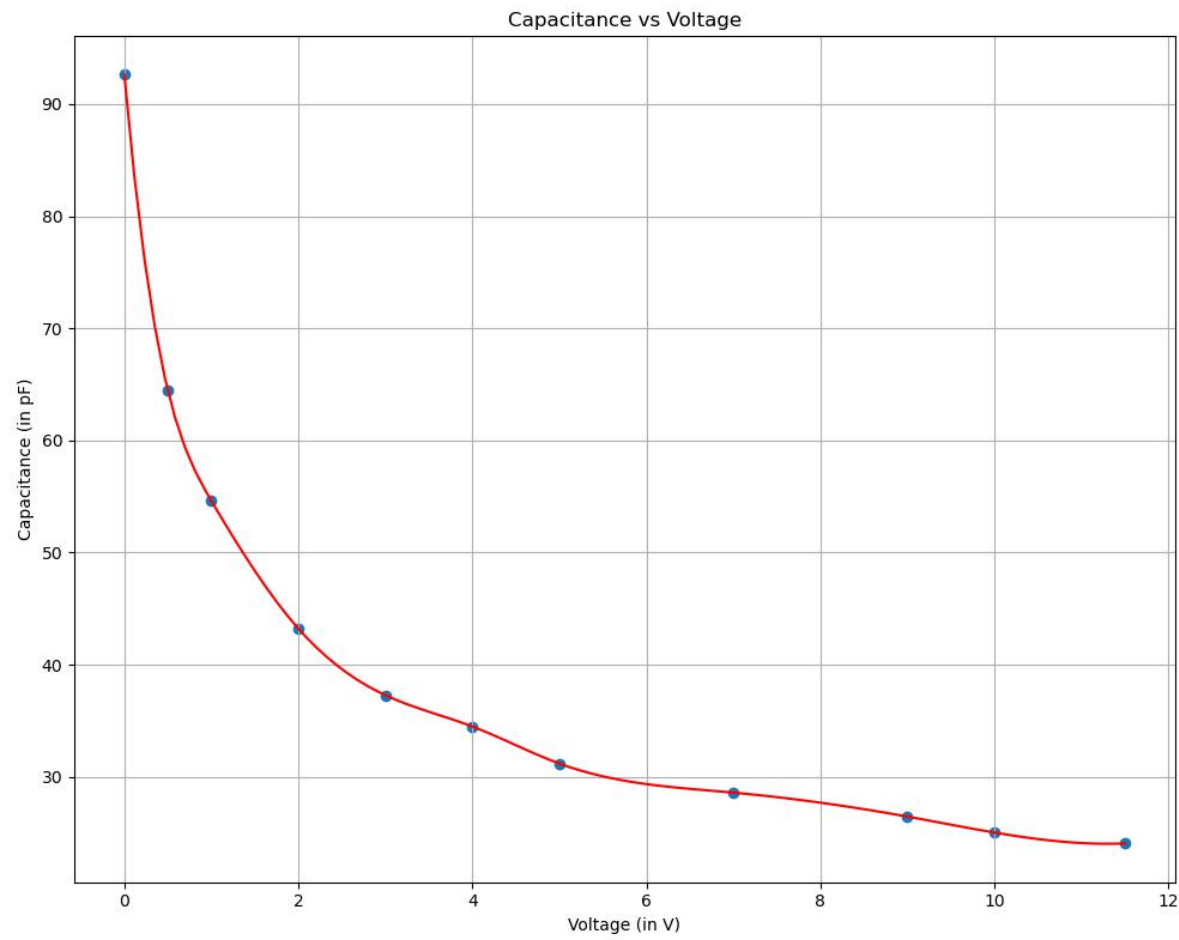


Part C

Data

	Voltage (in V)	Voltage at 5KHz (in V)	Voltage at 20KHz (in V)	Cd (in pF)
0	0.0	84	241	92.614
1	-0.5	62	169	64.459
2	-1.0	52	143	54.616
3	-2.0	46	115	43.214
4	-3.0	44	101	37.274
5	-4.0	42	94	34.479
6	-5.0	38	85	31.173
7	-7.0	35	78	28.580
8	-9.0	32	72	26.444
9	-10.0	30	68	25.020
10	-11.5	28	65	24.051

Plot



In []: