						Parameter values							
Experiment	$E^0\mu$ (V)	$E^0\sigma$ (V)	$k_0(s^{-1})$	Ru (Ω)	C_{dl} (F)	C_{dlE1}	C_{dlE2}	$\Gamma(mol\ cm^{-2})$	ω (Hz)	Capacitance phase (rads)	Phase (rads)	α	Error (μA)
Alpha=0.45	0.223	0.051	750.0	422.274	7.652E-5	5.135E-3	-5.042E-4	7.103E-11	8.941	4.348	4.876	0.45	1.729
Alpha=0.46	0.223	0.05	750.0	435.309	7.657E-5	4.916E-3	-4.941E-4	7.133E-11	8.941	4.351	4.882	0.46	1.712
Alpha=0.47	0.223	0.049	750.0	448.16	7.662E-5	4.694E-3	-4.839E-4	7.164E-11	8.941	4.355	4.888	0.47	1.694
Alpha=0.48	0.224	0.049	750.0	461.066	7.668E-5	4.463E-3	-4.732E-4	7.195E-11	8.941	4.359	4.894	0.48	1.677
Alpha=0.49	0.224	0.048	750.0	473.744	7.674E-5	4.235E-3	-4.626E-4	7.226E-11	8.941	4.363	4.9	0.49	1.659
Alpha=0.5	0.232	0.03	107.536	590.444	7.682E-5	4.475E-3	-4.807E-4	7.467E-11	8.941	4.395	5.033	0.5	1.333
Alpha=0.51	0.237	0.019	67.774	623.607	7.665E-5	5.558E-3	-5.409E-4	7.548E-11	8.941	4.403	5.103	0.51	1.112
Alpha=0.52	0.239	0.012	56.188	628.566	7.658E-5	5.998E-3	-5.673E-4	7.571E-11	8.941	4.404	5.131	0.52	1.004
Alpha=0.53	0.24	9.831E-3	55.001	637.847	7.667E-5	5.706E-3	-5.560E-4	7.606E-11	8.941	4.407	5.138	0.53	0.952
Alpha=0.54	0.239	0.01	60.406	653.579	7.688E-5	4.893E-3	-5.178E-4	7.657E-11	8.941	4.411	5.131	0.54	0.941
Alpha=0.55	0.238	0.012	69.441	669.486	7.712E-5	3.923E-3	-4.708E-4	7.707E-11	8.941	4.417	5.118	0.55	0.958
Alpha=0.56	0.236	0.015	80.296	681.31	7.735E-5	3.011E-3	-4.261E-4	7.746E-11	8.941	4.421	5.104	0.56	0.989
Alpha=0.57	0.235	0.018	92.037	687.015	7.753E-5	2.251E-3	-3.885E-4	7.769E-11	8.941	4.423	5.089	0.57	1.03
Alpha=0.58	0.234	0.021	104.157	684.601	7.765E-5	1.688E-3	-3.603E-4	7.769E-11	8.941	4.423	5.074	0.58	1.08
Alpha=0.59	0.233	0.024	116.363	673.202	7.772E-5	1.336E-3	-3.423E-4	7.743E-11	8.941	4.42	5.058	0.59	1.137
Alpha=0.6	0.231	0.027	128.714	654.17	7.774E-5	1.178E-3	-3.338E-4	7.694E-11	8.941	4.415	5.039	0.6	1.199
Alpha=0.61	0.23	0.03	141.153	632.158	7.773E-5	1.142E-3	-3.313E-4	7.638E-11	8.941	4.409	5.021	0.61	1.257
Alpha=0.62	0.229	0.033	153.713	611.294	7.771E-5	1.159E-3	-3.315E-4	7.586E-11	8.941	4.403	5.005	0.62	1.308
Alpha=0.63	0.228	0.035	166.339	593.16	7.769E-5	1.191E-3	-3.326E-4	7.541E-11	8.941	4.398	4.99	0.63	1.349
Alpha=0.64	0.227	0.037	179.043	578.206	7.767E-5	1.214E-3	-3.334E-4	7.507E-11	8.941	4.393	4.978	0.64	1.384
Alpha=0.65	0.227	0.038	191.668	565.688	7.766E-5	1.225E-3	-3.337E-4	7.478E-11	8.941	4.39	4.967	0.65	1.412
Alpha=0.66	0.226	0.04	204.408	554.809	7.765E-5	1.237E-3	-3.341E-4	7.455E-11	8.941	4.387	4.958	0.66	1.436
Alpha=0.67	0.226	0.041	217.274	545.414	7.764E-5	1.241E-3	-3.342E-4	7.435E-11	8.941	4.384	4.949	0.67	1.457