

### Experimental Data Detailed

**Table S1: CSM Experimental Data (Detailed)**

Sr. NO	v	f	d	Trial 1	Trial 2	Trial 3	Ave SCE	Std Dev	Trial 1	Trial 2	Trial 3	Ave SR	Std Dev
1	125	0.1	1	0.82	0.81	0.82	0.82	0.005	0.88	0.93	0.9	0.90	0.02
2	125	0.2	2	0.79	0.8	0.79	0.79	0.005	1.93	1.88	1.92	1.91	0.02
3	125	0.3	3	0.65	0.64	0.65	0.65	0.005	3.21	3.36	3.29	3.29	0.06
4	125	0.4	4	0.57	0.56	0.57	0.57	0.005	4.05	4.1	4.08	4.08	0.02
5	250	0.1	2	0.83	0.76	0.82	0.80	0.031	1.36	1.37	1.35	1.36	0.01
6	250	0.2	1	0.71	0.72	0.7	0.71	0.008	0.66	0.7	0.67	0.68	0.02
7	250	0.3	4	0.58	0.59	0.6	0.59	0.008	3.31	3.4	3.3	3.34	0.04
8	250	0.4	3	0.55	0.56	0.54	0.55	0.008	4.24	4.27	4.23	4.25	0.02
9	375	0.1	3	0.75	0.76	0.77	0.76	0.008	1	1.02	1	1.01	0.01
10	375	0.2	4	0.61	0.62	0.58	0.60	0.017	2.67	2.32	2.48	2.49	0.14
11	375	0.3	1	0.65	0.64	0.63	0.64	0.008	3.17	2.9	3.02	3.03	0.11
12	375	0.4	2	0.53	0.54	0.55	0.54	0.008	3.34	3.84	3.58	3.59	0.20
13	500	0.1	4	0.71	0.7	0.72	0.71	0.008	1.5	1.6	1.56	1.55	0.04
14	500	0.2	3	0.66	0.6	0.61	0.62	0.026	2.18	3.66	2.93	2.92	0.60
15	500	0.3	2	0.63	0.62	0.61	0.62	0.008	2.69	2.77	2.74	2.73	0.03
16	500	0.4	1	0.6	0.59	0.58	0.59	0.008	3.3	3.4	3.36	3.35	0.04

**Table S2: TSM Experimental Data (Detailed)**

Sr. NO	v	f	d	Trial 1	Trial 2	Trial 3	Ave SCE	Std Dev	Trial 1	Trial 2	Trial 3	Ave SR	Std Dev
1	750	0.1	1	0.76	0.75	0.77	0.76	0.008	2.53	2.6	2.5	2.54	0.04
2	750	0.2	2	0.64	0.62	0.63	0.63	0.008	1.76	2.45	1.59	1.93	0.37
3	750	0.3	3	0.6	0.6	0.59	0.60	0.005	3.12	3.22	3.17	3.17	0.04
4	750	0.4	4	0.52	0.53	0.54	0.53	0.008	5.03	5.15	5.1	5.09	0.05
5	1000	0.1	2	0.74	0.7	0.73	0.72	0.017	1.34	1.37	1.36	1.36	0.01
6	1000	0.2	1	0.66	0.65	0.67	0.66	0.008	1.94	2.1	2.07	2.04	0.07
7	1000	0.3	4	0.55	0.55	0.54	0.55	0.005	3.64	4.12	3.9	3.89	0.20
8	1000	0.4	3	0.57	0.59	0.58	0.58	0.008	3.15	4.13	3.14	3.47	0.46
9	1250	0.1	3	0.72	0.74	0.73	0.73	0.008	1.22	0.61	1.23	1.02	0.29
10	1250	0.2	4	0.52	0.52	0.51	0.52	0.005	3.91	4	4.03	3.98	0.05
11	1250	0.3	1	0.65	0.64	0.65	0.65	0.005	5.56	4.71	5.25	5.17	0.35
12	1250	0.4	2	0.58	0.58	0.57	0.58	0.005	4.15	4.49	3.71	4.12	0.32
13	1500	0.1	4	0.71	0.69	0.7	0.70	0.008	2.91	3	2.88	2.93	0.05
14	1500	0.2	3	0.55	0.55	0.54	0.55	0.005	3.15	2.75	3.14	3.01	0.19
15	1500	0.3	2	0.56	0.55	0.56	0.56	0.005	4.09	4.88	4.25	4.41	0.34
16	1500	0.4	1	0.56	0.56	0.55	0.56	0.005	6.71	6.58	6.83	6.71	0.10

**Table S3: HSM Experimental Data (Detailed)**

Sr. NO	v	f	d	Trial 1	Trial 2	Trial 3	Ave SCE	Std Dev	Trial 1	Trial 2	Trial 3	Ave SR	Std Dev
1	1750	0.1	1	0.75	0.75	0.74	0.75	0.005	1.85	2.14	1.99	1.99	0.12
2	1750	0.2	2	0.62	0.62	0.61	0.62	0.005	2.81	2.91	2.86	2.86	0.04
3	1750	0.3	3	0.62	0.61	0.62	0.62	0.005	5.31	5.12	5.2175	5.22	0.08
4	1750	0.4	4	0.36	0.37	0.37	0.37	0.005	6.73	9.05	7.89	7.89	0.95
5	2000	0.1	2	0.75	0.76	0.75	0.75	0.005	1.97	2.03	2	2.00	0.02
6	2000	0.2	1	0.66	0.66	0.65	0.66	0.005	2.68	3.25	2.96	2.96	0.23
7	2000	0.3	4	0.43	0.43	0.42	0.43	0.005	5.1	5.28	5.19	5.19	0.07
8	2000	0.4	3	0.43	0.43	0.42	0.43	0.005	6.98	7.23	7.1	7.10	0.10
9	2250	0.1	3	0.74	0.77	0.75	0.75	0.012	1.62	1.61	1.61	1.61	0.00
10	2250	0.2	4	0.56	0.57	0.56	0.56	0.005	3.26	2.59	2.93	2.93	0.27
11	2250	0.3	1	0.59	0.62	0.61	0.61	0.012	4	3.06	3.53	3.53	0.38
12	2250	0.4	2	0.56	0.56	0.55	0.56	0.005	7.65	7.42	7.53	7.53	0.09
13	2500	0.1	4	0.77	0.78	0.78	0.78	0.005	1.68	2.38	2.03	2.03	0.29
14	2500	0.2	3	0.68	0.66	0.67	0.67	0.008	2.23	2.34	2.28	2.28	0.04
15	2500	0.3	2	0.69	0.68	0.69	0.69	0.005	4.56	4.86	4.71	4.71	0.12
16	2500	0.4	1	0.6	0.63	0.61	0.61	0.012	6.18	5.92	6.05	6.05	0.11