



Pt	Time	Freq	Zreal	Zimag	Zsig	Zmod	Zphz	Idc	Vdc	IERang	cap
56725	s	Hz	ohm	ohm	V	ohm	°	A	V	#	
0	6	100007	0.090947	0.038553	1	0.098781	22.9722	0.001541	2.26442	11	0.038553 4.13E-05
1	8	63105.5	0.072196	0.02847	1	0.077606	21.5214	0.001192	1.99945	11	0.02847 8.86E-05
2	10	39811.2	0.05716	0.021593	1	0.061103	20.6948	1.11E-03	1.99949	11	0.021593 0.000185
3	14	25123.7	0.04547	0.015105	1	0.047914	18.376	1.07E-03	1.99938	11	0.015105 0.00042
4	18	15852.9	0.037826	0.009243	1	0.038938	13.7312	0.000976	1.99941	11	0.009243 0.001087
5	22	9998.2	0.033726	0.004754	1	0.03406	8.02321	1.05E-03	1.99936	11	0.004754 0.00335
6	26	6311.1	0.03214	0.001597	1	0.032179	2.84543	9.99E-04	1.9993	11	0.001597 0.015799
7	30	3980.93	0.031973	-0.000716	1	0.031981	-1.28355	1.01E-03	1.99926	11	0.000716 0.055865
8	34	2511.16	0.032581	-0.002602	1	0.032685	-4.56534	1.01E-03	1.99923	11	0.002602 0.02437
9	36	1584.49	0.033671	-0.004255	1	0.033939	-7.20164	9.76E-04	1.9992	11	0.004255 0.023618
10	38	999.95	0.034928	-0.005772	1	0.035402	-9.38433	9.67E-04	1.9992	11	0.005772 0.027589
11	40	630.984	0.035977	-0.007582	1	0.036767	-11.9002	9.71E-04	1.99918	11	0.007582 0.033284
12	42	398.209	0.036727	-0.010371	1	0.038164	-15.7689	1.21E-03	1.99925	11	0.010371 0.038557
13	44	251.185	0.037302	-0.015079	1	0.040235	-22.0107	1.23E-03	1.99923	11	0.015079 0.042041
14	46	158.533	0.037842	-0.02272	1	0.044139	-30.98	1.19E-03	1.99924	11	0.02272 0.044209
15	48	100.009	0.038438	-0.034917	1	0.051929	-42.2521	1.04E-03	1.99923	11	0.034917 0.0456
16	50	63.0971	0.039126	-0.054233	1	0.066874	-54.1916	9.79E-04	1.99922	11	0.054233 0.046534
17	52	40.0059	0.039959	-0.08439	1	0.093372	-64.6625	9.67E-04	1.99923	11	0.08439 0.047166
18	54	24.9911	0.041137	-0.13372	1	0.139905	-72.9001	7.22E-04	1.99923	11	0.13372 0.04765
19	57	15.7934	0.042777	-0.209928	1	0.214242	-78.4824	7.77E-04	1.99923	11	0.209928 0.048028
20	59	9.9987	0.045288	-0.329415	1	0.332514	-82.172	3.17E-04	1.99924	11	0.329415 0.048345
21	62	6.31623	0.048713	-0.518336	1	0.52062	-84.6312	1.08E-03	1.99924	11	0.518336 0.048637
22	64	3.97302	0.054235	-0.818923	1	0.820717	-86.211	4.71E-04	1.99924	11	0.818923 0.048941
23	66	2.51085	0.062467	-1.28923	1	1.29074	-87.226	-3.88E-04	1.99871	11	1.28923 0.049191
24	70	1.58325	0.076735	-2.03253	1	2.03398	-87.8379	-2.48E-04	1.9987	11	2.03253 0.049483
25	74	1.00006	0.100092	-3.20288	1	3.20445	-88.2101	-2.59E-04	1.99853	11	3.20288 0.049713
56729											
0	6	100007	0.074187	0.016522	1	0.076004	12.5552	0.001448	2.26451	11	0.016522 9.64E-05
1	8	63105.5	0.062124	0.013671	1	0.063611	12.4102	1.07E-03	1.99958	11	0.013671 0.000185
2	10	39811.2	0.051234	0.011863	1	0.052589	13.0371	1.11E-03	1.99953	11	0.011863 0.000337
3	14	25123.7	0.041897	0.008897	1	0.042831	11.9884	1.06E-03	1.99942	11	0.008897 0.000712
4	18	15852.9	0.03559	0.005398	1	0.035997	8.6245	0.000988	1.99943	11	0.005398 0.001861
5	22	9998.2	0.032218	0.002405	1	0.032308	4.26954	1.01E-03	1.99937	11	0.002405 0.006622
6	26	6311.1	0.031015	0.000174	1	0.031016	0.32181	9.64E-04	1.99931	11	0.000174 0.0145006
7	30	3980.93	0.031004	-0.001559	1	0.031044	-2.87831	9.80E-04	1.99929	11	0.001559 0.025657
8	34	2511.16	0.031653	-0.003078	1	0.031803	-5.55367	9.56E-04	1.99925	11	0.003078 0.020601
9	36	1584.49	0.03274	-0.004475	1	0.033045	-7.78291	9.37E-04	1.99922	11	0.004475 0.022457
10	38	999.95	0.033925	-0.005829	1	0.034422	-9.7497	8.90E-04	1.99921	11	0.005829 0.027319
11	40	630.984	0.034892	-0.007549	1	0.035699	-12.208	9.00E-04	1.9992	11	0.007549 0.03343
12	42	398.209	0.035554	-0.010322	1	0.037022	-16.1888	1.13E-03	1.99927	11	0.010322 0.038741
13	44	251.185	0.036047	-0.015051	1	0.039063	-22.6625	1.19E-03	1.99925	11	0.015051 0.042119
14	46	158.533	0.036497	-0.022764	1	0.043015	-31.9526	1.16E-03	1.99925	11	0.022764 0.044124
15	48	100.009	0.03699	-0.035117	1	0.051004	-43.5115	1.00E-03	1.99925	11	0.035117 0.04534
16	50	63.0971	0.037578	-0.054706	1	0.066369	-55.5143	9.38E-04	1.99927	11	0.054706 0.046131
17	52	40.0059	0.038319	-0.0853	1	0.093511	-65.8091	9.22E-04	1.99925	11	0.0853 0.046662
18	54	24.9911	0.039355	-0.135342	1	0.140947	-73.7867	6.53E-04	1.99924	11	0.135342 0.047078
19	57	15.7934	0.040812	-0.21268	1	0.21656	-79.1374	7.32E-04	1.99925	11	0.21268 0.047407
20	59	9.9987	0.04304	-0.333866	1	0.336629	-82.6543	2.50E-04	1.99924	11	0.333866 0.047701
21	62	6.31623	0.046018	-0.525863	1	0.527873	-84.9988	1.03E-03	1.99924	11	0.525863 0.047941
22	64	3.97302	0.050925	-0.831367	1	0.832925	-86.4948	4.09E-04	1.99924	11	0.831367 0.048209
23	66	2.51085	0.057919	-1.31019	1	1.31147	-87.4688	-4.72E-04	1.99871	11	1.31019 0.048404
24	70	1.58325	0.070227	-2.06678	1	2.06798	-88.0539	-3.22E-04	1.9987	11	2.06678 0.048663
25	74	1.00006	0.090264	-3.25825	1	3.2595	-88.4131	-3.31E-04	1.99851	11	3.25825 0.048869
56730											
0	5	100007	0.081039	0.02424	1	0.084587	16.6526	0.001195	2.26452	11	0.02424 6.57E-05
1	7	63105.5	0.066381	0.018495	1	0.068909	15.5686	9.90E-04	1.99959	11	0.018495 0.000136
2	9	39811.2	0.054005	0.01489	1	0.05602	15.4149	0.000972	1.99949	11	0.01489 0.000269
3	13	25123.7	0.043851	0.010656	1	0.045127	13.6589	9.07E-04	1.99947	11	0.010656 0.000595
4	18	15852.9	0.03703	0.006391	1	0.037577	9.7916	8.31E-04	1.99938	11	0.006391 0.001572
5	22	9998.2	0.033529	0.002961	1	0.033659	5.0467	9.08E-04	1.99937	11	0.002961 0.005379
6	26	6311.1	0.032243	0.000479	1	0.032246	0.85118	8.73E-04	1.9993	11	0.000479 0.052674
7	30	3980.93	0.032186	-0.001408	1	0.032216	-2.50471	8.35E-04	1.99927	11	0.001408 0.028409
8	34	2511.16	0.032846	-0.003014	1	0.032984	-5.24277	8.64E-04	1.99924	11	0.003014 0.021039
9	36	1584.49	0.033935	-0.004464	1	0.034227	-7.49321	8.50E-04	1.9992	11	0.004464 0.022513
10	38	999.95	0.035149	-0.005852	1	0.035632	-9.45271	8.48E-04	1.9992	11	0.005852 0.027212
11	40	630.984	0.03612	-0.007591	1	0.036909	-11.8689	8.47E-04	1.99919	11	0.007591 0.033245
12	42	398.209	0.036798	-0.010381	1	0.038234	-15.7535	1.07E-03	1.99924	11	0.010381 0.03852
13	44	251.185	0.037273	-0.015141	1	0.04023	-22.1077	1.13E-03	1.99924	11	0.015141 0.041869
14	46	158.533	0.037706	-0.022922	1	0.044127	-31.2956	1.10E-03	1.99924	11	0.022922 0.04382
15	48	100.009	0.038197	-0.035386	1	0.052068	-42.8122	9.47E-04	1.99924	11	0.035386 0.044996
16	50	63.0971	0.038798	-0.055161	1	0.067439	-54.8786	8.94E-04	1.99922	11	0.055161 0.045751
17	52	40.0059	0.039533	-0.086	1	0.094651	-65.3127	8.43E-04	1.99924	11	0.086 0.046283
18	54	24.9911	0.040599	-0.136446	1	0.142358	-73.4297	6.10E-04	1.99924	11	0.136446 0.046698
19	56	15.7934	0.042074	-0.214376	1	0.218466	-78.8962	6.87E-04	1.99924	11	0.214376 0.047031
20	59	9.9987	0.044378	-0.336603	1	0.339516	-82.4894	2.35E-04	1.99924	11	0.336603 0.047313
21	61	6.31623	0.047566	-0.529949	1	0.53208	-84.8711	9.87E-04	1.99924	11	0.529949 0.047572
22	63	3.97302	0.052183	-0.838163	1	0.839786	-86.4374	3.87E-04	1.99924	11	0.838163 0.047818
23	66	2.51085	0.059405	-1.32076	1	1.32209	-87.4247	-4.69E-04	1.99871	11	1.32076 0.048017
24	69	1.58325	0.071573	-2.08351	1	2.08473	-88.0325	-3.27E-04	1.99871	11	2.08351 0.048272
25	74	1.00006	0.09173	-3.2848	1	3.28608	-88.4004	-3.25E-04	1.99852	11	3.2848 0.048474

56731

0	6	100007	0.078502	0.021855	1	0.081487	15.557	0.00141	2.26454	11	0.021855	7.29E-05
1	8	63105.5	0.064718	0.017319	1	0.066996	14.9819	1.41E-03	1.99956	11	0.017319	0.000146
2	10	39811.2	0.052689	0.014314	1	0.054599	15.1984	1.31E-03	1.99952	11	0.014314	0.000279
3	14	25123.7	0.042671	0.010397	1	0.043919	13.694	1.18E-03	1.99945	11	0.010397	0.00061
4	18	15852.9	0.036001	0.006259	1	0.036541	9.8634	0.001161	1.99938	11	0.006259	0.001605
5	22	9998.2	0.032536	0.002882	1	0.032663	5.06128	1.19E-03	1.99938	11	0.002882	0.005526
6	26	6311.1	0.031292	0.000417	1	0.031295	0.764341	1.15E-03	1.99932	11	0.000417	0.060506
7	30	3980.93	0.031284	-0.001468	1	0.031319	-2.68626	1.13E-03	1.9993	11	0.001468	0.027248
8	34	2511.16	0.031982	-0.003086	1	0.03213	-5.51195	1.15E-03	1.99926	11	0.003086	0.020548
9	36	1584.49	0.033118	-0.004553	1	0.03343	-7.82696	1.12E-03	1.99922	11	0.004553	0.022073
10	38	999.95	0.03435	-0.005964	1	0.034864	-9.8501	1.11E-03	1.99921	11	0.005964	0.026701
11	40	630.984	0.035337	-0.007756	1	0.036179	-12.3794	1.11E-03	1.9992	11	0.007756	0.032538
12	42	398.209	0.036048	-0.010634	1	0.037583	-16.4353	1.34E-03	1.99924	11	0.010634	0.037604
13	44	251.185	0.036586	-0.01553	1	0.039745	-23.0005	1.35E-03	1.99925	11	0.01553	0.04082
14	46	158.533	0.037153	-0.023492	1	0.043957	-32.3061	1.31E-03	1.99925	11	0.023492	0.042756
15	48	100.009	0.037866	-0.036146	1	0.052349	-43.6687	1.16E-03	1.99925	11	0.036146	0.04405
16	50	63.0971	0.038734	-0.056054	1	0.068136	-55.3549	1.12E-03	1.99925	11	0.056054	0.045022
17	52	40.0059	0.039771	-0.087021	1	0.095678	-65.4383	1.09E-03	1.99924	11	0.087021	0.04574
18	54	24.9911	0.041016	-0.137679	1	0.143659	-73.4106	8.57E-04	1.99924	11	0.137679	0.046279
19	57	15.7934	0.042612	-0.216066	1	0.220228	-78.8434	8.94E-04	1.99925	11	0.216066	0.046664
20	59	9.9987	0.044954	-0.339046	1	0.342013	-82.4472	4.18E-04	1.99925	11	0.339046	0.046972
21	62	6.31623	0.048353	-0.533914	1	0.536099	-84.8253	1.19E-03	1.99925	11	0.533914	0.047218
22	64	3.97302	0.054021	-0.843786	1	0.845514	-86.3368	5.70E-04	1.99924	11	0.843786	0.047499
23	66	2.51085	0.061837	-1.32961	1	1.33104	-87.3372	-2.80E-04	1.99871	11	1.32961	0.047697
24	70	1.58325	0.076326	-2.09757	1	2.09896	-87.916	-1.56E-04	1.9987	11	2.09757	0.047948
25	74	1.00006	0.101217	-3.30647	1	3.30802	-88.2466	-1.61E-04	1.99851	11	3.30647	0.048156

56732

0	6	100007	0.078812	0.021714	1	0.081749	15.4037	1.34E-03	2.26447	11	0.021714	7.33E-05
1	8	63105.5	0.06503	0.017024	1	0.067222	14.6703	9.95E-04	1.99955	11	0.017024	0.000148
2	10	39811.2	0.053185	0.014004	1	0.054998	14.7513	1.00E-03	1.99946	11	0.014004	0.000286
3	14	25123.7	0.043338	0.010156	1	0.044512	13.1884	0.000851	1.99945	11	0.010156	0.000624
4	18	15852.9	0.036752	0.006121	1	0.037258	9.45583	8.63E-04	1.99935	11	0.006121	0.001641
5	22	9998.2	0.033339	0.002804	1	0.033457	4.80703	8.93E-04	1.99936	11	0.002804	0.00568
6	26	6311.1	0.03211	0.000037	1	0.032112	0.659704	8.57E-04	1.9993	11	0.000037	0.068192
7	30	3980.93	0.032107	-0.001507	1	0.032142	-2.68716	8.73E-04	1.99926	11	0.001507	0.026543
8	34	2511.16	0.032786	-0.00314	1	0.032936	-5.47132	8.69E-04	1.99924	11	0.00314	0.020195
9	36	1584.49	0.033925	-0.004641	1	0.034241	-7.78952	8.61E-04	1.99919	11	0.004641	0.021654
10	38	999.95	0.035212	-0.006075	1	0.035732	-9.7889	8.39E-04	1.9992	11	0.006075	0.026213
11	40	630.984	0.036298	-0.007838	1	0.037135	-12.1844	8.45E-04	1.99918	11	0.007838	0.032197
12	42	398.209	0.037088	-0.010617	1	0.038578	-15.9747	1.08E-03	1.99923	11	0.010617	0.037664
13	44	251.185	0.037688	-0.015346	1	0.040693	-22.1554	1.13E-03	1.99923	11	0.015346	0.04131
14	46	158.533	0.038289	-0.023043	1	0.044689	-31.0404	1.10E-03	1.99923	11	0.023043	0.043589
15	48	100.009	0.038999	-0.0353	1	0.052602	-42.1498	9.56E-04	1.99923	11	0.0353	0.045105
16	50	63.0971	0.039807	-0.054631	1	0.067596	-53.921	9.02E-04	1.99925	11	0.054631	0.046195
17	52	40.0059	0.040753	-0.084768	1	0.094055	-64.3238	8.43E-04	1.99923	11	0.084768	0.046955
18	54	24.9911	0.041966	-0.134099	1	0.140512	-72.6224	6.10E-04	1.99923	11	0.134099	0.047515
19	57	15.7934	0.043567	-0.210349	1	0.214813	-78.2984	6.91E-04	1.99923	11	0.210349	0.047932
20	59	9.9987	0.045976	-0.329983	1	0.333171	-82.0682	2.39E-04	1.99923	11	0.329983	0.048262
21	62	6.31623	0.04925	-0.519338	1	0.521668	-84.5827	9.97E-04	1.99924	11	0.519338	0.048544
22	64	3.97302	0.054512	-0.820998	1	0.822806	-86.2013	3.95E-04	1.99923	11	0.820998	0.048818
23	66	2.51085	0.062055	-1.29285	1	1.29434	-87.252	-4.58E-04	1.9987	11	1.29285	0.049054
24	70	1.58325	0.075002	-2.03862	1	2.04	-87.893	-3.11E-04	1.99869	11	2.03862	0.049335
25	75	1.00006	0.096366	-3.21282	1	3.21427	-88.282	-3.06E-04	1.99854	11	3.21282	0.04956

56733

0	5	100007	0.078286	0.020765	1	0.080993	14.8555	1.47E-03	2.26451	11	0.020765	7.67E-05
1	7	63105.5	0.06477	0.016636	1	0.066872	14.4046	1.22E-03	1.99959	11	0.016636	0.000152
2	9	39811.2	0.052858	0.013833	1	0.054638	14.665	1.13E-03	1.99954	11	0.013833	0.000289
3	13	25123.7	0.042964	0.010115	1	0.044138	13.2476	9.78E-04	1.99948	11	0.010115	0.000627
4	17	15852.9	0.036331	0.006132	1	0.036845	9.5802	9.65E-04	1.99938	11	0.006132	0.001638
5	21	9998.2	0.032887	0.002837	1	0.033009	4.93063	1.03E-03	1.99938	11	0.002837	0.005614
6	25	6311.1	0.031627	0.000408	1	0.03163	0.739192	9.83E-04	1.99932	11	0.000408	0.061841
7	29	3980.93	0.031607	-0.001466	1	0.031641	-2.65564	1.02E-03	1.99928	11	0.001466	0.027285
8	33	2511.16	0.032279	-0.003085	1	0.032426	-5.45879	9.90E-04	1.99925	11	0.003085	0.020555
9	35	1584.49	0.033393	-0.004567	1	0.033703	-7.78783	9.67E-04	1.99922	11	0.004567	0.022005
10	37	999.95	0.034665	-0.005982	1	0.035178	-9.7901	9.51E-04	1.99922	11	0.005982	0.02662
11	39	630.984	0.035716	-0.007725	1	0.036542	-12.2043	9.65E-04	1.99921	11	0.007725	0.032668
12	41	398.209	0.036478	-0.010494	1	0.037958	-16.05	1.18E-03	1.99923	11	0.010494	0.038106
13	43	251.185	0.037038	-0.015188	1	0.040031	-22.2972	1.21E-03	1.99925	11	0.015188	0.041739
14	45	158.533	0.037544	-0.022845	1	0.043948	-31.3203	1.18E-03	1.99925	11	0.022845	0.043967
15	47	100.009	0.038085	-0.035127	1	0.051811	-42.6867	1.03E-03	1.99925	11	0.035127	0.045327
16	49	63.0971	0.038721	-0.054642	1	0.066971	-54.6776	9.56E-04	1.99923	11	0.054642	0.046185
17	51	40.0059	0.039502	-0.08511	1	0.093831	-65.1025	9.48E-04	1.99925	11	0.08511	0.046767
18	54	24.9911	0.040651	-0.134959	1	0.140948	-73.2373	7.13E-04	1.99924	11	0.134959	0.047212
19	56	15.7934	0.04226	-0.21189	1	0.216063	-78.7208	7.49E-04	1.99925	11	0.21189	0.047583
20	58	9.9987	0.04473	-0.33255	1	0.335545	-82.3394	2.84E-04	1.99925	11	0.33255	0.047889
21	61	6.31623	0.04817	-0.52343	1	0.525642	-84.742	1.05E-03	1.99925	11	0.52343	0.048164
22	63	3.97302	0.053301	-0.827097	1	0.828813	-86.3127	4.38E-04	1.99925	11	0.827097	0.048458
23	65	2.51085	0.061939	-1.30264	1	1.30411	-87.2777	-4.22E-04	1.99872	11	1.30264	0.048685
24	69	1.58325	0.07603	-2.05369	1	2.0551	-87.8798	-2.76E-04	1.9987	11	2.05369	0.048973
25	74	1.00006	0.099175	-3.236	1	3.23752	-88.2446	-2.84E-04	1.99854	11	3.236	0.049205