

Polars of NACA 64(2)-415 (type 1)

NACA 64(2)-415 - Re = 1500000							
Alfa	Cl	Cd	Cl/Cd	Cm	T Xtr	B Xtr	Power F.
-5.0	-0.2273	0.0087	-26.1264	-0.0723	0.6627	0.0337	-12.4560
-4.8	-0.2046	0.0086	-23.7907	-0.0725	0.6590	0.0383	-10.7612
-4.6	-0.1819	0.0084	-21.6548	-0.0727	0.6564	0.0425	-9.2357
-4.4	-0.1591	0.0083	-19.1687	-0.0729	0.6530	0.0462	-7.6459
-4.2	-0.1364	0.0082	-16.6341	-0.0731	0.6488	0.0554	-6.1434
-4.0	-0.1138	0.0080	-14.2250	-0.0733	0.6439	0.0647	-4.7987
-3.8	-0.0912	0.0079	-11.5443	-0.0735	0.6386	0.0807	-3.4863
-3.6	-0.0686	0.0078	-8.7949	-0.0737	0.6324	0.0963	-2.3035
-3.4	-0.0460	0.0076	-6.0526	-0.0740	0.6270	0.1186	-1.2981
-3.2	-0.0231	0.0073	-3.1644	-0.0744	0.6249	0.1575	-0.4809
-3.0	-0.0004	0.0070	-0.0571	-0.0748	0.6220	0.2124	-0.0011
-2.6	0.0452	0.0063	7.1746	-0.0757	0.6143	0.3360	1.5253
-2.4	0.0681	0.0061	11.1639	-0.0761	0.6097	0.4000	2.9133
-2.2	0.0912	0.0059	15.4576	-0.0764	0.6047	0.4415	4.6681
-2.0	0.1143	0.0058	19.7069	-0.0767	0.5988	0.4689	6.6626
-1.8	0.1378	0.0058	23.7586	-0.0770	0.5943	0.4737	8.8195
-1.6	0.1614	0.0058	27.8276	-0.0773	0.5925	0.4929	11.1796
-1.4	0.1849	0.0057	32.4386	-0.0776	0.5901	0.5088	13.9486
-1.2	0.2084	0.0057	36.5614	-0.0779	0.5872	0.5283	16.6906
-1.0	0.2319	0.0057	40.6842	-0.0782	0.5839	0.5365	19.5919
-0.8	0.2553	0.0057	44.7895	-0.0784	0.5802	0.5392	22.6309
-0.6	0.2787	0.0057	48.8947	-0.0787	0.5763	0.5436	25.8125
-0.4	0.3020	0.0057	52.9825	-0.0789	0.5719	0.5496	29.1163
-0.2	0.3252	0.0058	56.0690	-0.0791	0.5670	0.5548	31.9741
0.0	0.3485	0.0058	60.0862	-0.0794	0.5622	0.5592	35.4712
0.2	0.3721	0.0058	64.1552	-0.0797	0.5608	0.5627	39.1347

0.4	0.3957	0.0058	68.2241	-0.0799	0.5591	0.5656	42.9162
0.6	0.4192	0.0058	72.2759	-0.0802	0.5564	0.5683	46.7955
0.8	0.4426	0.0058	76.3103	-0.0804	0.5529	0.5707	50.7679
1.0	0.4658	0.0059	78.9492	-0.0807	0.5490	0.5725	53.8824
1.2	0.4890	0.0059	82.8814	-0.0809	0.5449	0.5767	57.9577
1.4	0.5121	0.0059	86.7966	-0.0811	0.5407	0.5824	62.1127
1.6	0.5351	0.0060	89.1833	-0.0813	0.5354	0.5872	65.2381
1.8	0.5581	0.0060	93.0167	-0.0815	0.5296	0.5916	69.4891
2.0	0.5816	0.0060	96.9333	-0.0817	0.5280	0.5956	73.9240
2.2	0.6049	0.0060	100.8167	-0.0820	0.5244	0.5993	78.4105
2.4	0.6278	0.0061	102.9180	-0.0821	0.5175	0.6024	81.5459
2.6	0.6503	0.0062	104.8871	-0.0822	0.5086	0.6049	84.5822
2.8	0.6725	0.0063	106.7460	-0.0823	0.4965	0.6068	87.5383
3.0	0.6950	0.0063	110.3175	-0.0824	0.4835	0.6128	91.9680
3.2	0.7165	0.0065	110.2308	-0.0823	0.4663	0.6188	93.3063
3.4	0.7394	0.0065	113.7538	-0.0825	0.4611	0.6241	97.8151
3.6	0.7613	0.0066	115.3485	-0.0825	0.4460	0.6289	100.6444
3.8	0.7829	0.0068	115.1324	-0.0825	0.4318	0.6332	101.8710
4.0	0.8026	0.0070	114.6571	-0.0822	0.3986	0.6368	102.7190
4.2	0.8184	0.0076	107.6842	-0.0812	0.3354	0.6396	97.4170
4.4	0.8349	0.0081	103.0741	-0.0804	0.2856	0.6437	94.1817
4.6	0.8523	0.0086	99.1047	-0.0798	0.2452	0.6506	91.4935
5.0	0.8850	0.0095	93.1579	-0.0781	0.1626	0.6622	87.6378
5.4	0.9177	0.0104	88.2404	-0.0764	0.0985	0.6713	84.5313
5.6	0.9365	0.0107	87.5234	-0.0759	0.0864	0.6744	84.6989
5.8	0.9544	0.0110	86.7636	-0.0753	0.0713	0.6803	84.7623
6.0	0.9726	0.0112	86.8393	-0.0747	0.0621	0.6875	85.6413
6.2	0.9901	0.0115	86.0957	-0.0740	0.0508	0.6939	85.6684
6.4	1.0077	0.0118	85.3983	-0.0734	0.0443	0.6996	85.7265

6.6	1.0250	0.0121	84.7107	-0.0726	0.0368	0.7045	85.7631
6.8	1.0431	0.0123	84.8049	-0.0720	0.0344	0.7082	86.6131
7.0	1.0604	0.0125	84.8320	-0.0713	0.0318	0.7139	87.3564
7.2	1.0772	0.0128	84.1563	-0.0705	0.0290	0.7217	87.3443
7.4	1.0942	0.0130	84.1692	-0.0697	0.0263	0.7290	88.0444
7.6	1.1112	0.0132	84.1818	-0.0689	0.0253	0.7357	88.7390
7.8	1.1278	0.0134	84.1642	-0.0680	0.0246	0.7412	89.3806
8.0	1.1429	0.0137	83.4234	-0.0669	0.0235	0.7473	89.1850
8.2	1.1548	0.0139	83.0791	-0.0651	0.0222	0.7565	89.2782
8.4	1.1655	0.0142	82.0775	-0.0632	0.0207	0.7645	88.6095
8.6	1.1756	0.0145	81.0759	-0.0612	0.0190	0.7713	87.9066
8.8	1.1867	0.0148	80.1824	-0.0594	0.0174	0.7766	87.3473
9.0	1.1988	0.0151	79.3907	-0.0579	0.0171	0.7853	86.9247
9.2	1.2100	0.0154	78.5714	-0.0562	0.0166	0.7946	86.4286
9.4	1.2214	0.0157	77.7962	-0.0547	0.0160	0.8030	85.9780
9.6	1.2321	0.0161	76.5280	-0.0530	0.0153	0.8097	84.9460
9.8	1.2417	0.0165	75.2545	-0.0513	0.0147	0.8197	83.8573
10.0	1.2515	0.0169	74.0533	-0.0497	0.0139	0.8306	82.8437
10.2	1.2605	0.0174	72.4425	-0.0480	0.0133	0.8402	81.3327
10.4	1.2685	0.0179	70.8659	-0.0462	0.0123	0.8529	79.8147
10.6	1.2762	0.0185	68.9838	-0.0443	0.0115	0.8692	77.9303
10.8	1.2833	0.0190	67.5421	-0.0424	0.0113	0.8907	76.5136
11.0	1.2892	0.0194	66.4536	-0.0402	0.0112	0.9277	75.4534
11.4	1.3097	0.0205	63.8878	-0.0379	0.0109	1.0000	73.1146
11.6	1.3196	0.0212	62.2453	-0.0368	0.0108	1.0000	71.5035
11.8	1.3301	0.0218	61.0138	-0.0358	0.0106	1.0000	70.3671
12.0	1.3392	0.0226	59.2566	-0.0347	0.0104	1.0000	68.5740
12.2	1.3477	0.0233	57.8412	-0.0336	0.0103	1.0000	67.1481
12.4	1.3568	0.0241	56.2988	-0.0326	0.0101	1.0000	65.5778

12.6	1.3657	0.0249	54.8474	-0.0316	0.0099	1.0000	64.0964
12.8	1.3727	0.0259	53.0000	-0.0306	0.0098	1.0000	62.0960
13.0	1.3809	0.0268	51.5261	-0.0297	0.0097	1.0000	60.5492
13.2	1.3892	0.0277	50.1516	-0.0288	0.0095	1.0000	59.1109
13.4	1.3957	0.0288	48.4618	-0.0279	0.0094	1.0000	57.2527
13.6	1.4025	0.0298	47.0638	-0.0271	0.0093	1.0000	55.7363
13.8	1.4098	0.0309	45.6246	-0.0263	0.0092	1.0000	54.1724
14.0	1.4166	0.0320	44.2688	-0.0256	0.0091	1.0000	52.6891
14.2	1.4218	0.0333	42.6967	-0.0248	0.0090	1.0000	50.9112
14.4	1.4285	0.0345	41.4058	-0.0242	0.0089	1.0000	49.4882
14.6	1.4351	0.0357	40.1989	-0.0236	0.0089	1.0000	48.1565
14.8	1.4399	0.0371	38.8113	-0.0231	0.0088	1.0000	46.5720
15.0	1.4448	0.0385	37.5273	-0.0226	0.0087	1.0000	45.1077
15.2	1.4504	0.0399	36.3509	-0.0221	0.0086	1.0000	43.7783
15.4	1.4557	0.0414	35.1618	-0.0217	0.0086	1.0000	42.4236
15.6	1.4589	0.0431	33.8492	-0.0214	0.0085	1.0000	40.8847
15.8	1.4637	0.0447	32.7450	-0.0212	0.0084	1.0000	39.6160
16.0	1.4686	0.0463	31.7192	-0.0209	0.0084	1.0000	38.4392
16.2	1.4710	0.0482	30.5187	-0.0208	0.0083	1.0000	37.0145
16.4	1.4742	0.0501	29.4251	-0.0208	0.0083	1.0000	35.7270
16.6	1.4782	0.0519	28.4817	-0.0207	0.0082	1.0000	34.6284
16.8	1.4809	0.0539	27.4750	-0.0208	0.0082	1.0000	33.4349
17.0	1.4809	0.0563	26.3037	-0.0210	0.0081	1.0000	32.0096
17.2	1.4833	0.0584	25.3990	-0.0212	0.0080	1.0000	30.9336
17.4	1.4868	0.0604	24.6159	-0.0215	0.0080	1.0000	30.0152
17.6	1.4850	0.0632	23.4968	-0.0220	0.0079	1.0000	28.6334
17.8	1.4858	0.0656	22.6494	-0.0225	0.0079	1.0000	27.6081
18.0	1.4874	0.0680	21.8735	-0.0230	0.0078	1.0000	26.6767
18.2	1.4854	0.0710	20.9211	-0.0238	0.0078	1.0000	25.4980

18.4	1.4837	0.0739	20.0771	-0.0246	0.0077	1.0000	24.4554
18.6	1.4833	0.0768	19.3138	-0.0254	0.0077	1.0000	23.5224
18.8	1.4803	0.0801	18.4806	-0.0265	0.0076	1.0000	22.4850
19.0	1.4773	0.0834	17.7134	-0.0277	0.0076	1.0000	21.5297
19.2	1.4753	0.0867	17.0161	-0.0289	0.0075	1.0000	20.6681
19.4	1.4695	0.0906	16.2196	-0.0305	0.0075	1.0000	19.6619
19.6	1.4656	0.0943	15.5419	-0.0320	0.0074	1.0000	18.8153
19.8	1.4620	0.0979	14.9336	-0.0336	0.0074	1.0000	18.0567
20.0	1.4533	0.1026	14.1647	-0.0358	0.0073	1.0000	17.0760
20.2	1.4483	0.1066	13.5863	-0.0378	0.0073	1.0000	16.3505
20.4	1.4393	0.1115	12.9085	-0.0403	0.0073	1.0000	15.4865

NACA 64(2)-415 - Re = 2000000							
Alfa	Cl	Cd	Cl/Cd	Cm	T Xtr	B Xtr	Power F.
-5.0	-0.2272	0.0081	-28.0494	-0.0725	0.6509	0.0327	-13.3699
-4.8	-0.2043	0.0081	-25.2222	-0.0727	0.6462	0.0333	-11.4003
-4.6	-0.1816	0.0080	-22.7000	-0.0729	0.6409	0.0375	-9.6735
-4.4	-0.1590	0.0079	-20.1266	-0.0731	0.6348	0.0419	-8.0254
-4.2	-0.1363	0.0078	-17.4744	-0.0733	0.6282	0.0458	-6.4513
-4.0	-0.1132	0.0077	-14.7013	-0.0735	0.6258	0.0546	-4.9463
-3.8	-0.0902	0.0075	-12.0267	-0.0738	0.6233	0.0643	-3.6120
-3.6	-0.0672	0.0074	-9.0811	-0.0741	0.6201	0.0792	-2.3541
-3.4	-0.0442	0.0073	-6.0548	-0.0744	0.6161	0.0922	-1.2729
-3.2	-0.0214	0.0071	-3.0141	-0.0746	0.6115	0.1159	-0.4409
-3.0	0.0013	0.0069	0.1884	-0.0749	0.6063	0.1480	0.0068
-2.8	0.0240	0.0067	3.5821	-0.0753	0.6003	0.1983	0.5549
-2.6	0.0470	0.0064	7.3438	-0.0757	0.5946	0.2452	1.5921
-2.4	0.0702	0.0061	11.5082	-0.0762	0.5930	0.3000	3.0491
-2.2	0.0936	0.0059	15.8644	-0.0766	0.5909	0.3501	4.8536

-2.0	0.1168	0.0055	21.2364	-0.0772	0.5882	0.4336	7.2577
-1.8	0.1403	0.0055	25.5091	-0.0775	0.5849	0.4571	9.5548
-1.6	0.1638	0.0054	30.3333	-0.0778	0.5811	0.4670	12.2766
-1.4	0.1872	0.0054	34.6667	-0.0781	0.5770	0.4801	14.9991
-1.2	0.2105	0.0054	38.9815	-0.0784	0.5724	0.5023	17.8848
-1.0	0.2339	0.0054	43.3148	-0.0786	0.5671	0.5147	20.9484
-0.8	0.2574	0.0053	48.5660	-0.0789	0.5623	0.5283	24.6398
-0.6	0.2810	0.0053	53.0189	-0.0792	0.5610	0.5344	28.1050
-0.4	0.3047	0.0053	57.4906	-0.0795	0.5596	0.5370	31.7346
-0.2	0.3283	0.0054	60.7963	-0.0798	0.5577	0.5386	34.8347
0.0	0.3519	0.0054	65.1667	-0.0801	0.5552	0.5407	38.6576
0.2	0.3754	0.0054	69.5185	-0.0803	0.5516	0.5471	42.5939
0.4	0.3987	0.0054	73.8333	-0.0806	0.5470	0.5527	46.6204
0.6	0.4219	0.0054	78.1296	-0.0808	0.5417	0.5567	50.7482
0.8	0.4451	0.0055	80.9273	-0.0810	0.5361	0.5603	53.9913
1.0	0.4683	0.0055	85.1455	-0.0812	0.5309	0.5640	58.2671
1.2	0.4918	0.0055	89.4182	-0.0815	0.5289	0.5673	62.7076
1.4	0.5154	0.0055	93.7091	-0.0818	0.5274	0.5700	67.2750
1.6	0.5389	0.0055	97.9818	-0.0821	0.5252	0.5718	71.9283
1.8	0.5621	0.0056	100.3750	-0.0823	0.5208	0.5733	75.2545
2.0	0.5850	0.0056	104.4643	-0.0824	0.5129	0.5788	79.8998
2.2	0.6075	0.0057	106.5789	-0.0826	0.5015	0.5844	83.0701
2.4	0.6306	0.0057	110.6316	-0.0828	0.4960	0.5893	87.8529
2.6	0.6536	0.0058	112.6897	-0.0830	0.4881	0.5937	91.1046
2.8	0.6749	0.0060	112.4833	-0.0829	0.4651	0.5977	92.4076
3.0	0.6979	0.0060	116.3167	-0.0831	0.4583	0.6011	97.1714
3.2	0.7196	0.0062	116.0645	-0.0831	0.4424	0.6039	98.4566
3.4	0.7416	0.0063	117.7143	-0.0831	0.4261	0.6059	101.3711
3.8	0.7804	0.0069	113.1014	-0.0823	0.3518	0.6159	99.9141

4.0	0.7970	0.0075	106.2667	-0.0816	0.2938	0.6217	94.8694
4.2	0.8142	0.0079	103.0633	-0.0809	0.2456	0.6268	92.9971
4.6	0.8502	0.0087	97.7241	-0.0797	0.1724	0.6354	90.1078
4.8	0.8673	0.0092	94.2717	-0.0790	0.1373	0.6384	87.7943
5.0	0.8851	0.0095	93.1684	-0.0783	0.1098	0.6407	87.6526
5.2	0.9041	0.0098	92.2551	-0.0779	0.0914	0.6473	87.7200
5.4	0.9225	0.0101	91.3366	-0.0774	0.0744	0.6543	87.7260
5.6	0.9422	0.0103	91.4757	-0.0770	0.0663	0.6603	88.7927
5.8	0.9602	0.0106	90.5849	-0.0764	0.0528	0.6656	88.7640
6.0	0.9794	0.0108	90.6852	-0.0760	0.0469	0.6700	89.7463
6.2	0.9973	0.0111	89.8468	-0.0754	0.0384	0.6733	89.7255
6.4	1.0165	0.0113	89.9558	-0.0749	0.0348	0.6770	90.6949
6.6	1.0352	0.0115	90.0174	-0.0745	0.0321	0.6849	91.5880
6.8	1.0535	0.0117	90.0427	-0.0739	0.0293	0.6918	92.4200
7.0	1.0720	0.0119	90.0840	-0.0733	0.0264	0.6979	93.2707
7.2	1.0906	0.0121	90.1322	-0.0728	0.0254	0.7031	94.1267
7.4	1.1089	0.0123	90.1545	-0.0723	0.0247	0.7070	94.9366
7.6	1.1266	0.0125	90.1280	-0.0716	0.0236	0.7105	95.6631
7.8	1.1434	0.0127	90.0315	-0.0708	0.0220	0.7188	96.2706
8.0	1.1591	0.0130	89.1615	-0.0698	0.0202	0.7269	95.9927
8.2	1.1746	0.0132	88.9848	-0.0687	0.0181	0.7341	96.4409
8.4	1.1888	0.0134	88.7164	-0.0674	0.0172	0.7399	96.7294
8.6	1.2010	0.0137	87.6642	-0.0657	0.0168	0.7444	96.0714
8.8	1.2130	0.0139	87.2662	-0.0640	0.0162	0.7546	96.1117
9.0	1.2239	0.0142	86.1901	-0.0621	0.0155	0.7631	95.3522
9.2	1.2348	0.0145	85.1586	-0.0603	0.0146	0.7701	94.6296
9.4	1.2449	0.0148	84.1149	-0.0584	0.0138	0.7756	93.8512
9.6	1.2550	0.0152	82.5658	-0.0566	0.0127	0.7833	92.4958
9.8	1.2657	0.0155	81.6581	-0.0549	0.0118	0.7934	91.8680

10.0	1.2756	0.0159	80.2264	-0.0532	0.0113	0.8022	90.6097
10.2	1.2866	0.0163	78.9325	-0.0517	0.0112	0.8089	89.5319
10.4	1.2982	0.0167	77.7365	-0.0503	0.0111	0.8182	88.5719
10.6	1.3084	0.0171	76.5146	-0.0488	0.0109	0.8296	87.5215
10.8	1.3184	0.0175	75.3371	-0.0473	0.0107	0.8397	86.5033
11.0	1.3289	0.0180	73.8278	-0.0459	0.0105	0.8530	85.1071
11.2	1.3378	0.0185	72.3135	-0.0443	0.0102	0.8698	83.6402
11.4	1.3448	0.0190	70.7789	-0.0424	0.0099	0.8959	82.0792
11.6	1.3499	0.0194	69.5825	-0.0401	0.0097	0.9440	80.8445

NACA 64(2)-415 - Re = 2500000							
Alfa	Cl	Cd	Cl/Cd	Cm	T Xtr	B Xtr	Power F.
-5.0	-0.2276	0.0078	-29.1795	-0.0726	0.6359	0.0316	-13.9208
-4.8	-0.2047	0.0077	-26.5844	-0.0728	0.6291	0.0328	-12.0278
-4.6	-0.1816	0.0077	-23.5844	-0.0731	0.6262	0.0337	-10.0504
-4.4	-0.1585	0.0076	-20.8553	-0.0733	0.6240	0.0381	-8.3029
-4.2	-0.1355	0.0075	-18.0667	-0.0736	0.6210	0.0425	-6.6504
-4.0	-0.1124	0.0074	-15.1892	-0.0738	0.6170	0.0463	-5.0923
-3.8	-0.0895	0.0073	-12.2603	-0.0740	0.6124	0.0566	-3.6679
-3.6	-0.0666	0.0072	-9.2500	-0.0743	0.6072	0.0653	-2.3871
-3.4	-0.0437	0.0070	-6.2429	-0.0745	0.6009	0.0813	-1.3050
-3.2	-0.0206	0.0069	-2.9855	-0.0748	0.5949	0.0942	-0.4285
-3.0	0.0025	0.0068	0.3676	-0.0751	0.5932	0.1167	0.0184
-2.8	0.0257	0.0066	3.8939	-0.0755	0.5912	0.1491	0.6242
-2.6	0.0488	0.0063	7.7460	-0.0759	0.5886	0.1957	1.7112
-2.4	0.0720	0.0061	11.8033	-0.0763	0.5853	0.2419	3.1672
-2.2	0.0953	0.0059	16.1525	-0.0767	0.5815	0.2820	4.9864
-2.0	0.1185	0.0057	20.7895	-0.0772	0.5773	0.3390	7.1565
-1.8	0.1416	0.0053	26.7170	-0.0777	0.5725	0.4303	10.0535

-1.6	0.1650	0.0053	31.1321	-0.0780	0.5670	0.4431	12.6459
-1.4	0.1886	0.0052	36.2692	-0.0784	0.5621	0.4603	15.7510
-1.2	0.2123	0.0052	40.8269	-0.0787	0.5610	0.4772	18.8114
-1.0	0.2360	0.0051	46.2745	-0.0791	0.5597	0.4992	22.4801
-0.8	0.2596	0.0051	50.9020	-0.0793	0.5579	0.5062	25.9350
-0.6	0.2833	0.0051	55.5490	-0.0797	0.5557	0.5213	29.5665
-0.4	0.3069	0.0051	60.1765	-0.0800	0.5528	0.5292	33.3369
-0.2	0.3304	0.0051	64.7843	-0.0802	0.5490	0.5331	37.2383
0.0	0.3537	0.0051	69.3529	-0.0805	0.5440	0.5356	41.2461
0.2	0.3769	0.0052	72.4808	-0.0807	0.5374	0.5377	44.4975
0.4	0.4002	0.0052	76.9615	-0.0809	0.5310	0.5391	48.6869
0.6	0.4238	0.0052	81.5000	-0.0812	0.5290	0.5429	53.0564
0.8	0.4475	0.0052	86.0577	-0.0815	0.5278	0.5483	57.5687
1.0	0.4711	0.0052	90.5962	-0.0818	0.5261	0.5531	62.1822
1.2	0.4946	0.0052	95.1154	-0.0821	0.5235	0.5576	66.8926
1.4	0.5180	0.0052	99.6154	-0.0823	0.5199	0.5619	71.6954
1.6	0.5410	0.0053	102.0755	-0.0825	0.5128	0.5657	75.0793
1.8	0.5637	0.0054	104.3889	-0.0827	0.5013	0.5686	78.3751
2.0	0.5869	0.0054	108.6852	-0.0829	0.4957	0.5707	83.2631
2.2	0.6102	0.0054	113.0000	-0.0831	0.4920	0.5722	88.2703
2.4	0.6328	0.0055	115.0545	-0.0833	0.4814	0.5742	91.5244
2.6	0.6549	0.0056	116.9464	-0.0833	0.4625	0.5800	94.6399
2.8	0.6769	0.0058	116.7069	-0.0833	0.4458	0.5858	96.0194
3.0	0.6992	0.0059	118.5085	-0.0834	0.4313	0.5907	99.0946
3.4	0.7393	0.0064	115.5156	-0.0829	0.3619	0.5989	99.3233
3.6	0.7594	0.0067	113.3433	-0.0826	0.3314	0.6021	98.7714
3.8	0.7767	0.0072	107.8750	-0.0819	0.2769	0.6045	95.0709
4.0	0.7942	0.0077	103.1429	-0.0813	0.2295	0.6063	91.9187
4.2	0.8122	0.0081	100.2716	-0.0807	0.1886	0.6106	90.3669

4.4	0.8306	0.0085	97.7176	-0.0802	0.1520	0.6174	89.0572
4.6	0.8491	0.0088	96.4886	-0.0797	0.1228	0.6232	88.9110
4.8	0.8681	0.0091	95.3956	-0.0793	0.1031	0.6284	88.8819
5.0	0.8879	0.0093	95.4731	-0.0789	0.0875	0.6329	89.9628
5.2	0.9072	0.0096	94.5000	-0.0785	0.0717	0.6366	90.0085
5.4	0.9267	0.0098	94.5612	-0.0782	0.0629	0.6393	91.0296
5.6	0.9459	0.0101	93.6535	-0.0777	0.0513	0.6422	91.0849
5.8	0.9652	0.0103	93.7087	-0.0773	0.0446	0.6497	92.0638
6.0	0.9843	0.0105	93.7429	-0.0769	0.0365	0.6566	93.0041
6.2	1.0040	0.0107	93.8318	-0.0766	0.0339	0.6625	94.0193
6.4	1.0231	0.0109	93.8624	-0.0762	0.0310	0.6675	94.9403
6.6	1.0423	0.0111	93.9009	-0.0757	0.0280	0.6714	95.8663
6.8	1.0616	0.0113	93.9469	-0.0753	0.0256	0.6742	96.7972
7.0	1.0811	0.0114	94.8333	-0.0749	0.0251	0.6795	98.6039
7.2	1.1002	0.0116	94.8448	-0.0745	0.0243	0.6875	99.4831
7.4	1.1186	0.0118	94.7966	-0.0740	0.0230	0.6942	100.2606
7.6	1.1362	0.0120	94.6833	-0.0733	0.0211	0.7001	100.9255
7.8	1.1532	0.0123	93.7561	-0.0725	0.0191	0.7047	100.6820
8.0	1.1704	0.0125	93.6320	-0.0717	0.0174	0.7081	101.2958
8.2	1.1876	0.0127	93.5118	-0.0710	0.0169	0.7130	101.9064
8.4	1.2041	0.0129	93.3411	-0.0701	0.0163	0.7219	102.4246
8.6	1.2193	0.0131	93.0763	-0.0690	0.0154	0.7301	102.7767
8.8	1.2308	0.0133	92.5414	-0.0672	0.0145	0.7371	102.6667
9.0	1.2414	0.0136	91.2794	-0.0652	0.0135	0.7420	101.7018
9.2	1.2517	0.0139	90.0504	-0.0632	0.0124	0.7489	100.7478
9.4	1.2628	0.0142	88.9296	-0.0614	0.0114	0.7589	99.9341
9.6	1.2748	0.0145	87.9172	-0.0598	0.0112	0.7668	99.2648
9.8	1.2859	0.0147	87.4762	-0.0581	0.0111	0.7731	99.1958
10.2	1.3094	0.0154	85.0260	-0.0551	0.0108	0.7883	97.2944

10.4	1.3194	0.0158	83.5063	-0.0534	0.0105	0.7980	95.9197
10.6	1.3298	0.0161	82.5963	-0.0518	0.0101	0.8059	95.2475
10.8	1.3404	0.0166	80.7470	-0.0503	0.0097	0.8119	93.4853
11.0	1.3492	0.0170	79.3647	-0.0486	0.0094	0.8247	92.1861
11.2	1.3588	0.0175	77.6457	-0.0471	0.0091	0.8363	90.5097
11.4	1.3684	0.0180	76.0222	-0.0456	0.0087	0.8467	88.9298
11.6	1.3759	0.0186	73.9731	-0.0439	0.0085	0.8658	86.7696
11.8	1.3839	0.0191	72.4555	-0.0422	0.0082	0.8907	85.2361
12.0	1.3895	0.0196	70.8929	-0.0401	0.0080	0.9356	83.5664