

NACA 0006 Flap Location x= .75, y=0

Flap Angle 10 Degrees

alpha CL CD CDp CM Top_Xtr Bot_Xtr

alpha	CL	CD	CDp	CM	Top_Xtr	Bot_Xtr
0.000	0.6392	0.00951	0.00293	-0.1057	0.0766	0.7138
0.100	0.6488	0.00972	0.00305	-0.1054	0.0574	0.7150
0.200	0.6587	0.00990	0.00317	-0.1051	0.0442	0.7163
0.300	0.6688	0.01006	0.00329	-0.1049	0.0356	0.7179
0.400	0.6789	0.01021	0.00342	-0.1047	0.0300	0.7197
0.500	0.6890	0.01038	0.00356	-0.1044	0.0257	0.7212
0.600	0.6994	0.01049	0.00368	-0.1042	0.0235	0.7223
0.700	0.7095	0.01067	0.00385	-0.1040	0.0210	0.7235
0.800	0.7197	0.01080	0.00400	-0.1037	0.0196	0.7248
0.900	0.7301	0.01092	0.00412	-0.1036	0.0182	0.7264
1.000	0.7403	0.01108	0.00426	-0.1033	0.0168	0.7281
1.100	0.7499	0.01133	0.00454	-0.1030	0.0156	0.7290
1.200	0.7603	0.01144	0.00467	-0.1027	0.0150	0.7301
1.300	0.7705	0.01158	0.00482	-0.1025	0.0143	0.7314
1.400	0.7807	0.01173	0.00498	-0.1023	0.0136	0.7328
1.500	0.7908	0.01191	0.00515	-0.1021	0.0129	0.7343
1.600	0.7997	0.01233	0.00560	-0.1016	0.0120	0.7355
1.700	0.8102	0.01241	0.00571	-0.1014	0.0117	0.7365
1.800	0.8203	0.01257	0.00588	-0.1011	0.0113	0.7377
1.900	0.8304	0.01275	0.00609	-0.1009	0.0109	0.7391
2.000	0.8404	0.01295	0.00629	-0.1006	0.0105	0.7406
2.100	0.8505	0.01314	0.00649	-0.1004	0.0101	0.7418
2.200	0.8603	0.01334	0.00671	-0.1001	0.0098	0.7429
2.300	0.8696	0.01367	0.00706	-0.0997	0.0095	0.7441
2.400	0.8774	0.01445	0.00788	-0.0990	0.0092	0.7453
2.500	0.8878	0.01458	0.00804	-0.0988	0.0090	0.7468
2.600	0.8980	0.01474	0.00824	-0.0985	0.0088	0.7479
2.700	0.9081	0.01495	0.00848	-0.0983	0.0085	0.7491
2.800	0.9181	0.01520	0.00876	-0.0980	0.0082	0.7505
2.900	0.9279	0.01549	0.00908	-0.0977	0.0080	0.7516
3.000	0.9376	0.01577	0.00941	-0.0974	0.0078	0.7527
3.100	0.9475	0.01606	0.00973	-0.0971	0.0077	0.7538
3.200	0.9572	0.01636	0.01005	-0.0968	0.0075	0.7550
3.300	0.9669	0.01667	0.01041	-0.0965	0.0074	0.7559
3.400	0.9763	0.01707	0.01084	-0.0962	0.0072	0.7570
3.500	0.9853	0.01776	0.01159	-0.0957	0.0071	0.7581
3.600	0.9935	0.01913	0.01310	-0.0950	0.0069	0.7591
3.700	1.0026	0.01991	0.01402	-0.0945	0.0069	0.7601
3.800	1.0120	0.02049	0.01472	-0.0940	0.0068	0.7611
3.900	1.0211	0.02121	0.01558	-0.0935	0.0067	0.7621
4.000	1.0298	0.02207	0.01660	-0.0929	0.0066	0.7632
4.100	1.0381	0.02313	0.01785	-0.0921	0.0065	0.7642
4.200	1.0452	0.02464	0.01958	-0.0911	0.0064	0.7652

5 Degrees

alpha CL CD CDp CM

alpha	CL	CD	CDp	CM
0.000	0.3461	0.00469	0.0011	
0.100	0.3565	0.00468	0.0011	
0.200	0.3667	0.00470	0.0011	
0.400	0.3800	0.00566	0.0011	
0.500	0.3892	0.00591	0.0011	
0.600	0.3984	0.00619	0.0011	
0.700	0.4078	0.00642	0.0011	
0.800	0.4172	0.00666	0.0011	
1.000	0.4365	0.00711	0.0011	
1.100	0.4461	0.00734	0.0011	
1.200	0.4558	0.00756	0.0011	
1.300	0.4657	0.00775	0.0011	
1.400	0.4755	0.00792	0.0011	
1.500	0.4854	0.00806	0.0011	
1.600	0.4950	0.00815	0.0021	
1.700	0.5014	0.00797	0.0021	
1.800	0.5165	0.00811	0.0021	
1.900	0.5272	0.00825	0.0021	
2.000	0.5378	0.00838	0.0021	
2.100	0.5485	0.00851	0.0021	
2.200	0.5592	0.00864	0.0021	
2.300	0.5698	0.00878	0.0021	
2.400	0.5804	0.00893	0.0021	
2.500	0.5911	0.00905	0.0031	
2.600	0.6015	0.00923	0.0031	
2.700	0.6122	0.00935	0.0031	
2.800	0.6226	0.00953	0.0031	
2.900	0.6332	0.00967	0.0031	
3.000	0.6438	0.00981	0.0031	
3.100	0.6540	0.01003	0.0041	
3.200	0.6645	0.01018	0.0041	
3.300	0.6750	0.01034	0.0041	
3.400	0.6854	0.01050	0.0041	
3.500	0.6954	0.01078	0.0041	
3.600	0.7058	0.01097	0.0051	
3.700	0.7161	0.01116	0.0051	
3.800	0.7264	0.01136	0.0051	
3.900	0.7364	0.01161	0.0051	
4.000	0.7459	0.01202	0.0061	
4.100	0.7562	0.01223	0.0061	
4.200	0.7664	0.01249	0.0061	
4.300	0.7766	0.01270	0.0061	
4.400	0.7868	0.01292	0.0071	

4.300	1.0497	0.02702	0.02227	-0.0896	0.0064	0.7660
4.400	1.0526	0.02959	0.02514	-0.0879	0.0066	0.7668
4.500	1.0550	0.03185	0.02763	-0.0864	0.0067	0.7677
4.600	1.0638	0.03232	0.02811	-0.0859	0.0072	0.7687

4.500	0.7966	0.01321	0.0071
4.600	0.8057	0.01376	0.0081
4.700	0.8158	0.01409	0.0081
4.800	0.8255	0.01453	0.0091
4.900	0.8353	0.01497	0.0091
5.000	0.8449	0.01546	0.0101
5.100	0.8545	0.01593	0.0101
5.200	0.8641	0.01638	0.0111
5.300	0.8738	0.01676	0.0111
5.400	0.8835	0.01707	0.0111
5.500	0.8923	0.01772	0.0121
5.600	0.9005	0.01877	0.0131
5.700	0.9089	0.01981	0.0151
5.800	0.9157	0.02143	0.0171
5.900	0.9204	0.02372	0.0191
6.000	0.9240	0.02621	0.0221
6.100	0.9275	0.02845	0.0241
6.200	0.9322	0.03001	0.0261
6.300	0.9373	0.03125	0.0271

05	-0.0578	0.8251	0.7537
03	-0.0576	0.8109	0.7560
01	-0.0573	0.7826	0.7586
14	-0.0555	0.5595	0.7636
21	-0.0552	0.5047	0.7662
27	-0.0549	0.4450	0.7690
33	-0.0547	0.3929	0.7717
40	-0.0545	0.3404	0.7747
54	-0.0541	0.2490	0.7811
62	-0.0539	0.2042	0.7847
70	-0.0537	0.1623	0.7887
78	-0.0535	0.1279	0.7935
87	-0.0533	0.0986	0.7996
96	-0.0531	0.0760	0.8086
05	-0.0528	0.0580	0.8256
13	-0.0515	0.0472	0.9417
24	-0.0525	0.0365	1.0000
34	-0.0524	0.0309	1.0000
46	-0.0523	0.0271	1.0000
58	-0.0522	0.0243	1.0000
70	-0.0521	0.0221	1.0000
82	-0.0520	0.0203	1.0000
96	-0.0518	0.0188	1.0000
09	-0.0517	0.0176	1.0000
27	-0.0516	0.0166	1.0000
41	-0.0515	0.0158	1.0000
57	-0.0513	0.0149	1.0000
73	-0.0512	0.0142	1.0000
88	-0.0511	0.0135	1.0000
09	-0.0509	0.0130	1.0000
27	-0.0507	0.0124	1.0000
44	-0.0506	0.0120	1.0000
59	-0.0505	0.0114	1.0000
88	-0.0503	0.0110	1.0000
10	-0.0501	0.0107	1.0000
32	-0.0499	0.0103	1.0000
53	-0.0497	0.0100	1.0000
77	-0.0495	0.0097	1.0000
20	-0.0492	0.0094	1.0000
47	-0.0490	0.0092	1.0000
77	-0.0488	0.0089	1.0000
99	-0.0486	0.0086	1.0000
23	-0.0484	0.0083	1.0000

52	-0.0482	0.0081	1.0000
11	-0.0478	0.0079	1.0000
52	-0.0476	0.0078	1.0000
04	-0.0472	0.0076	1.0000
56	-0.0469	0.0074	1.0000
13	-0.0466	0.0073	1.0000
66	-0.0463	0.0071	1.0000
18	-0.0460	0.0070	1.0000
58	-0.0457	0.0069	1.0000
91	-0.0455	0.0068	1.0000
61	-0.0452	0.0067	1.0000
84	-0.0446	0.0065	1.0000
13	-0.0440	0.0064	1.0000
02	-0.0431	0.0063	1.0000
63	-0.0419	0.0063	1.0000
44	-0.0406	0.0064	1.0000
92	-0.0395	0.0064	1.0000
63	-0.0388	0.0065	1.0000
95	-0.0382	0.0066	1.0000