

Polars of NACA 63-412 (type 1)

NACA 63-412 - Re = 400000				
Alfa	Cl	Cd	Cl/Cd	Cm
-3.0	-0.0053	0.0088	-0.6023	-0.0753
-2.5	0.0523	0.0089	5.8764	-0.0755
-2.0	0.1096	0.0089	12.3146	-0.0757
-1.5	0.1675	0.0090	18.6111	-0.0760
-1.0	0.2248	0.0090	24.9778	-0.0762
-0.5	0.2823	0.0090	31.3667	-0.0765
0.0	0.3392	0.0090	37.6889	-0.0766
0.5	0.3952	0.0090	43.9111	-0.0765
1.0	0.4520	0.0091	49.6703	-0.0767
1.5	0.5089	0.0091	55.9231	-0.0769
2.0	0.5647	0.0092	61.3804	-0.0768
2.5	0.6206	0.0093	66.7312	-0.0768
3.0	0.6767	0.0094	71.9894	-0.0769
3.5	0.7321	0.0096	76.2604	-0.0769
4.0	0.7858	0.0098	80.1837	-0.0765
4.5	0.8360	0.0101	82.7723	-0.0756
5.0	0.8850	0.0106	83.4906	-0.0745
5.5	0.9280	0.0116	80.0000	-0.0727
6.0	0.9606	0.0133	72.2256	-0.0695

NACA 63-412 - Re = 500000				
Alfa	Cl	Cd	Cl/Cd	Cm
-3.0	-0.0048	0.0080	-0.6000	-0.0752
-2.5	0.0530	0.0080	6.6250	-0.0755
-2.0	0.1108	0.0080	13.8500	-0.0758
-1.5	0.1689	0.0081	20.8519	-0.0762

-1.0	0.2267	0.0081	27.9877	-0.0766
-0.5	0.2837	0.0081	35.0247	-0.0767
0.0	0.3406	0.0081	42.0494	-0.0768
0.5	0.3982	0.0082	48.5610	-0.0772
1.0	0.4550	0.0082	55.4878	-0.0773
1.5	0.5117	0.0083	61.6506	-0.0775
2.0	0.5687	0.0084	67.7024	-0.0778
2.5	0.6249	0.0085	73.5176	-0.0779
3.0	0.6810	0.0087	78.2759	-0.0780
3.5	0.7356	0.0089	82.6517	-0.0779
4.0	0.7879	0.0093	84.7204	-0.0774
4.5	0.8352	0.0101	82.6931	-0.0762
5.0	0.8793	0.0112	78.5089	-0.0747
5.5	0.9172	0.0127	72.2205	-0.0724
6.0	0.9541	0.0141	67.6667	-0.0699