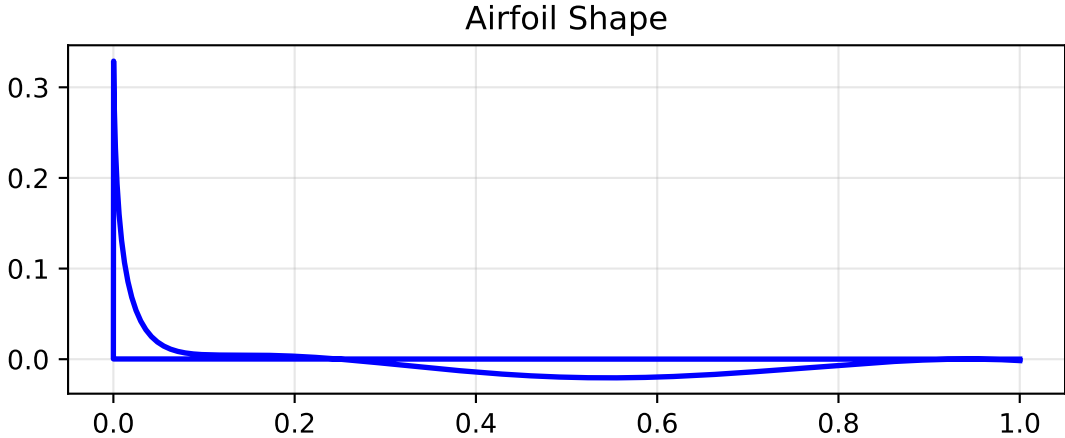


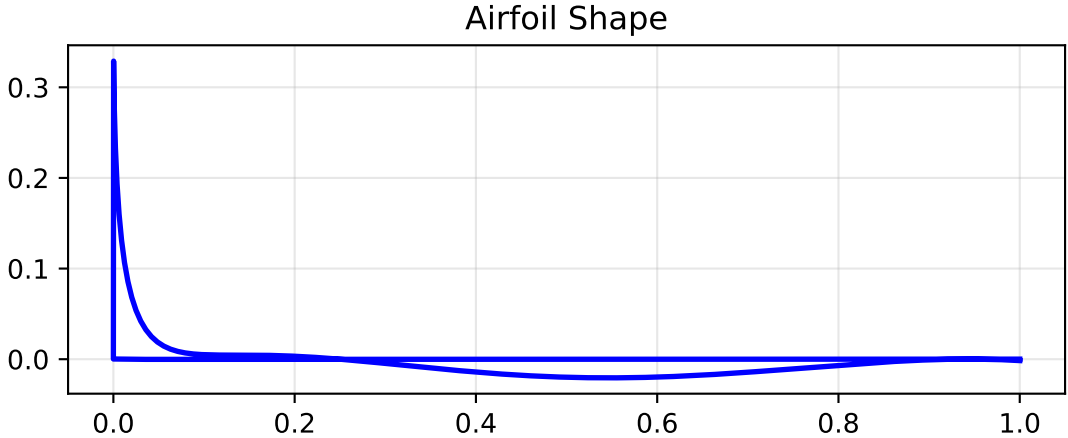
L/D	Top 20 <sup>CM</sup> Airfoils by	Lift-to-Drag <sup>SD</sup> Ratio	CM
152654.42	0.4231	0.000003	0.0887
66360.49	0.4205	0.000006	0.0855
4412.07	0.7673	0.000174	-0.0079
3086.14	0.7107	0.000230	-0.0139
2035.70	0.5912	0.000290	0.0533
1677.61	0.5650	0.000337	0.0538
1197.36	0.5970	0.000499	0.0537
1143.12	0.7385	0.000646	-0.0099
780.88	0.5991	0.000767	0.0538
642.79	0.6004	0.000934	0.0538
532.63	0.5471	0.001027	0.0530
512.56	0.7488	0.001461	-0.0148
512.47	0.4228	0.000825	0.0884
473.11	0.5918	0.001251	0.0494
414.37	0.6007	0.001450	0.0524
379.47	0.6006	0.001583	0.0537
357.01	0.5879	0.001647	0.0559
353.99	0.2561	0.000723	0.0743
344.76	0.4249	0.001232	0.0895
338.98	0.5101	0.001505	0.0138

Performance: L/D = 152654.42, CL = 0.4231, CD = 0.000003



Parameter	Value
Leading Edge Radius	0.032500
Upper Crest X Position	0.366632
Upper Crest Y Position	0.155000
Lower Crest X Position	0.200000
Lower Crest Y Position	-0.010000
Note	Other parameters at mean values

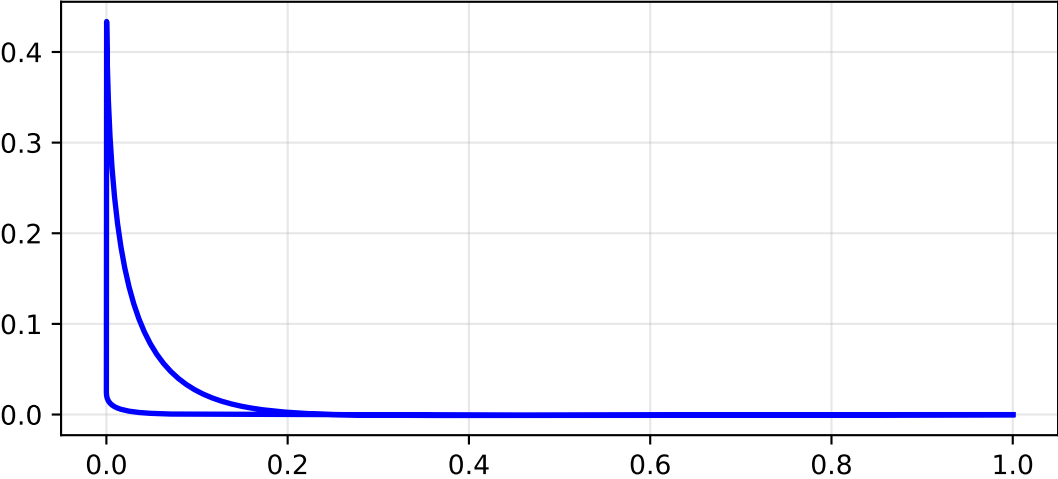
Performance: L/D = 66360.49, CL = 0.4205, CD = 0.000006



Parameter	Value
Leading Edge Radius	0.032500
Upper Crest X Position	0.366632
Upper Crest Y Position	0.155000
Lower Crest X Position	0.300001
Lower Crest Y Position	-0.010000
Note	Other parameters at mean values

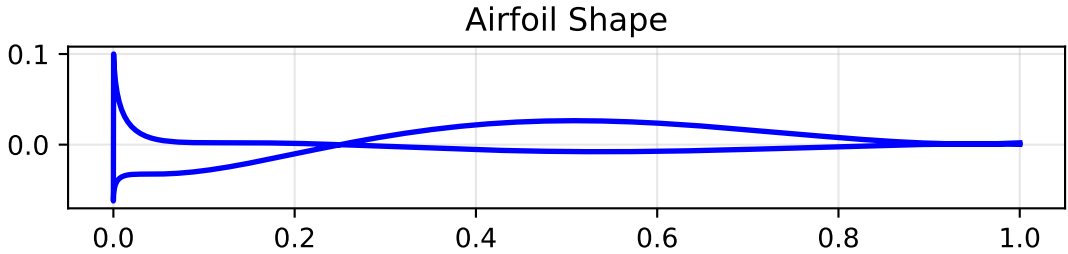
Performance: L/D = 4412.07, CL = 0.7673, CD = 0.000174

Airfoil Shape



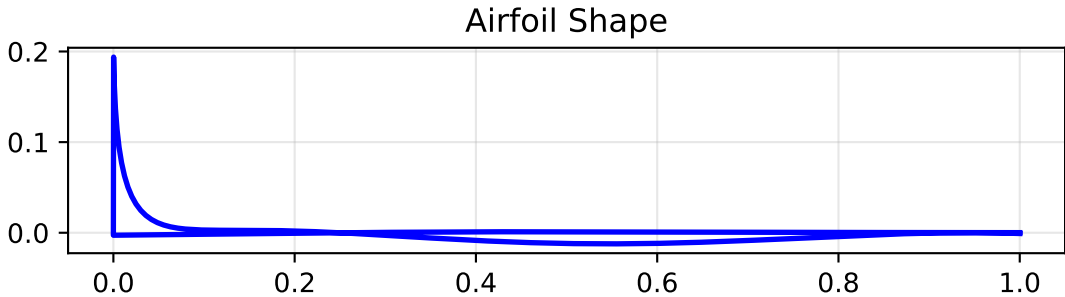
Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.722211
Upper Crest Y Position	0.082500
Lower Crest X Position	0.400001
Lower Crest Y Position	-0.010000
Note	Other parameters at mean values

Performance: L/D = 3086.14, CL = 0.7107, CD = 0.000230



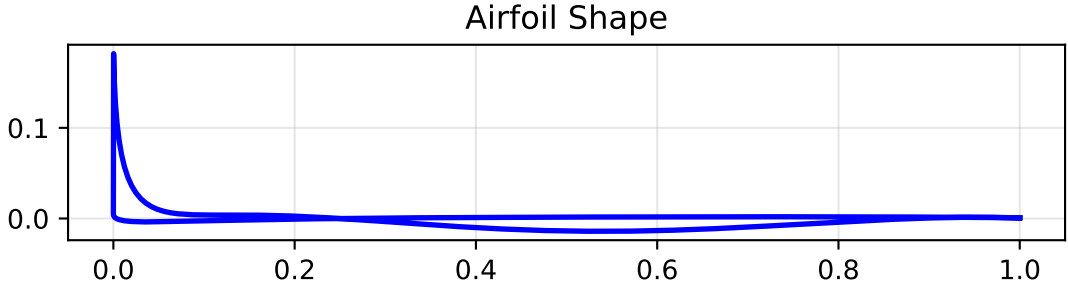
Parameter	Value
Leading Edge Radius	0.100000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.010000
Lower Crest X Position	0.200000
Lower Crest Y Position	-0.155000
Note	Other parameters at mean values

Performance: L/D = 2035.70, CL = 0.5912, CD = 0.000290



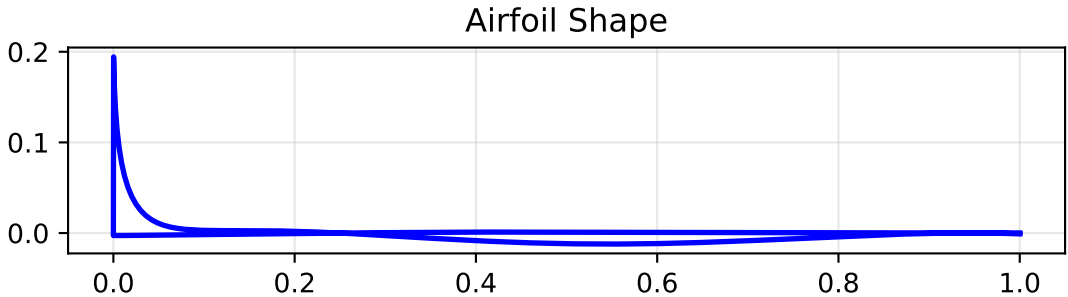
Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.082500
Lower Crest X Position	0.100000
Lower Crest Y Position	-0.082500
Note	Other parameters at mean values

Performance: L/D = 1677.61, CL = 0.5650, CD = 0.000337



Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.010000
Lower Crest X Position	0.200000
Lower Crest Y Position	-0.010000
Note	Other parameters at mean values

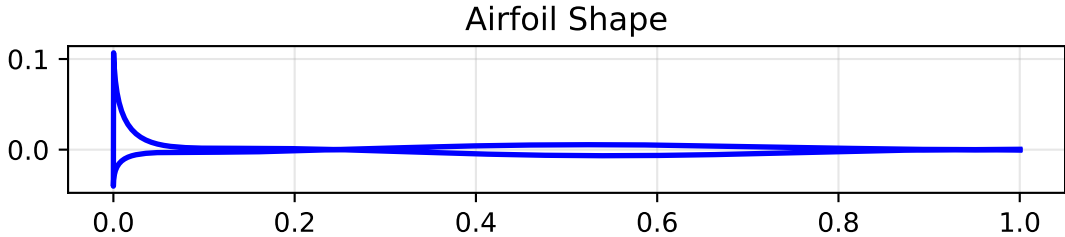
Performance: L/D = 1197.36, CL = 0.5970, CD = 0.000499



Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.155000
Lower Crest X Position	0.100000
Lower Crest Y Position	-0.155000
Note	Other parameters at mean values

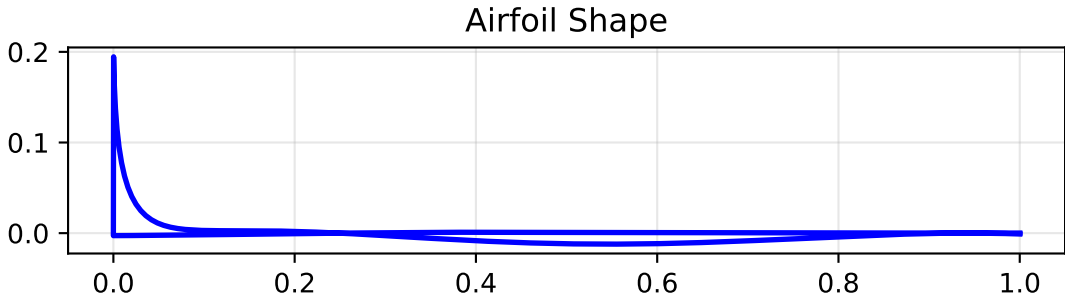


Performance:  $L/D = 1143.12$ ,  $CL = 0.7385$ ,  $CD = 0.000646$



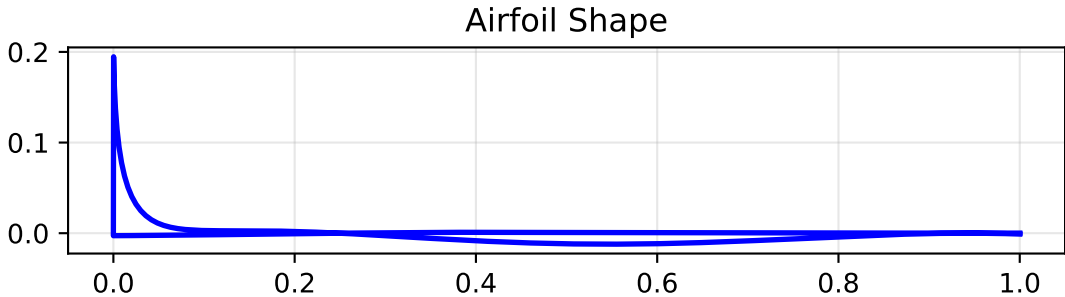
Parameter	Value
Leading Edge Radius	0.100000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.155000
Lower Crest X Position	0.300001
Lower Crest Y Position	-0.300000
Note	Other parameters at mean values

Performance: L/D = 780.88, CL = 0.5991, CD = 0.000767



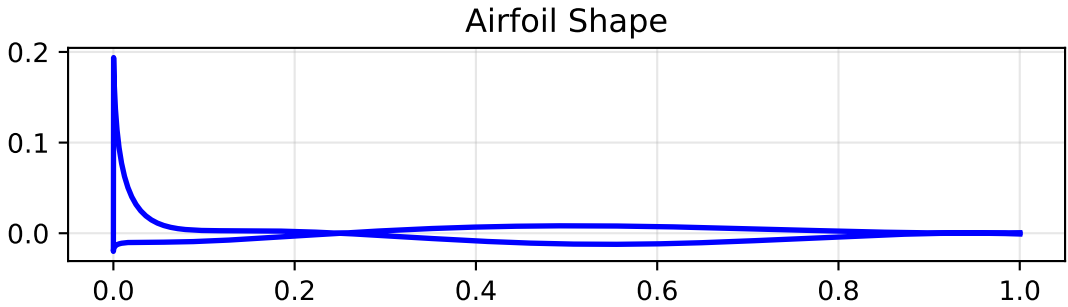
Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.227500
Lower Crest X Position	0.100000
Lower Crest Y Position	-0.227500
Note	Other parameters at mean values

Performance: L/D = 642.79, CL = 0.6004, CD = 0.000934



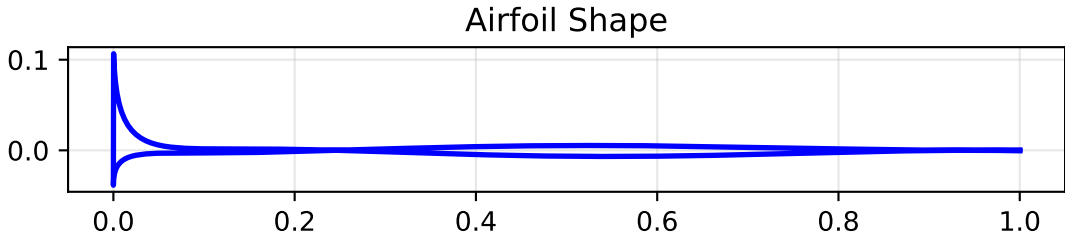
Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.300000
Lower Crest X Position	0.100000
Lower Crest Y Position	-0.300000
Note	Other parameters at mean values

Performance: L/D = 532.63, CL = 0.5471, CD = 0.001027



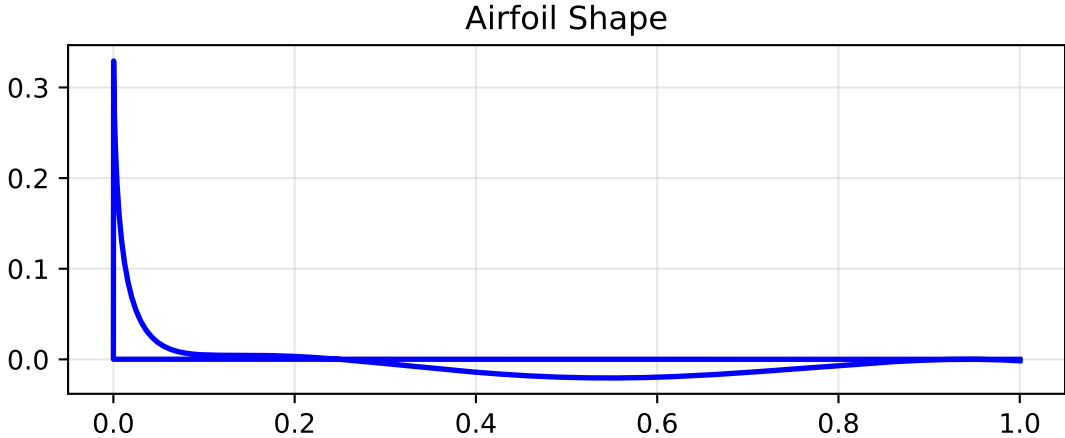
Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.082500
Lower Crest X Position	0.200000
Lower Crest Y Position	-0.300000
Note	Other parameters at mean values

Performance: L/D = 512.56, CL = 0.7488, CD = 0.001461



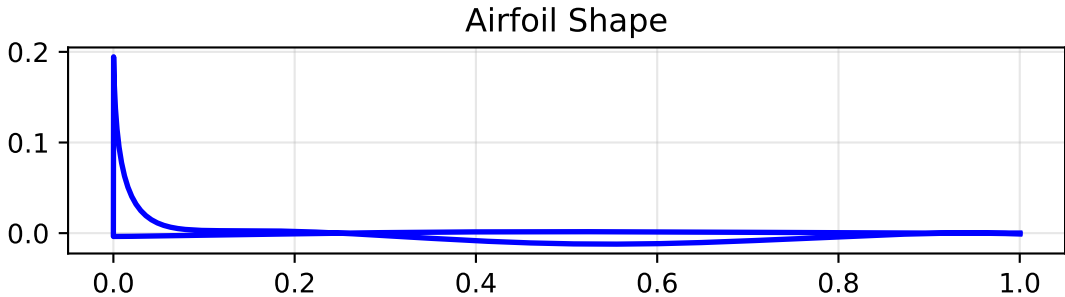
Parameter	Value
Leading Edge Radius	0.100000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.082500
Lower Crest X Position	0.300001
Lower Crest Y Position	-0.155000
Note	Other parameters at mean values

Performance: L/D = 512.47, CL = 0.4228, CD = 0.000825



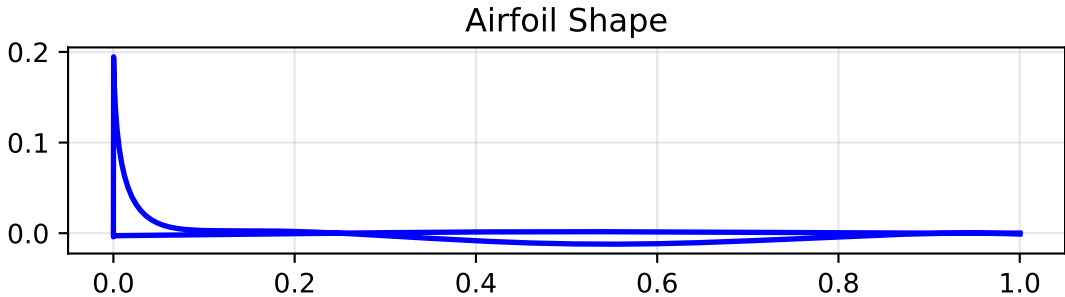
Parameter	Value
Leading Edge Radius	0.032500
Upper Crest X Position	0.366632
Upper Crest Y Position	0.227500
Lower Crest X Position	0.300001
Lower Crest Y Position	-0.010000
Note	Other parameters at mean values

Performance: L/D = 473.11, CL = 0.5918, CD = 0.001251



Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.227500
Lower Crest X Position	0.100000
Lower Crest Y Position	-0.300000
Note	Other parameters at mean values

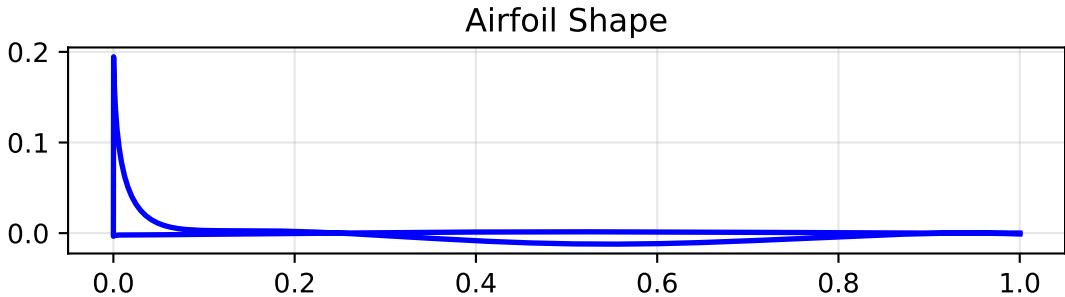
Performance: L/D = 414.37, CL = 0.6007, CD = 0.001450



Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.300000
Lower Crest X Position	0.200000
Lower Crest Y Position	-0.227500
Note	Other parameters at mean values

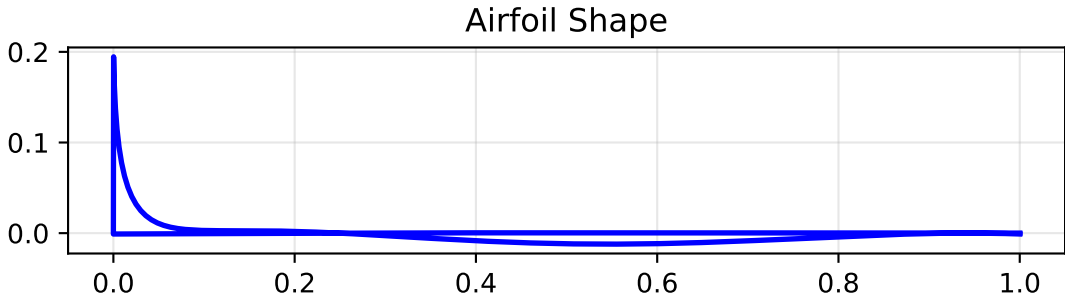


Performance: L/D = 379.47, CL = 0.6006, CD = 0.001583



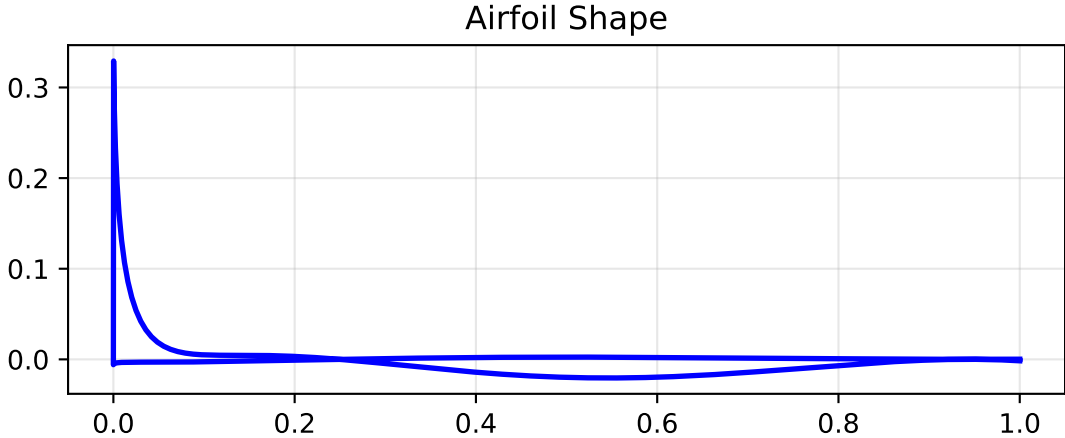
Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.227500
Lower Crest X Position	0.200000
Lower Crest Y Position	-0.155000
Note	Other parameters at mean values

Performance: L/D = 357.01, CL = 0.5879, CD = 0.001647



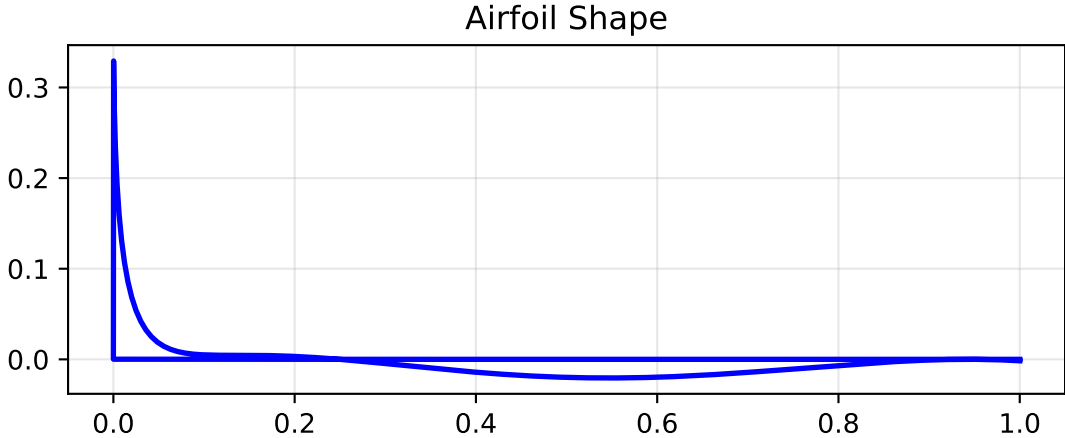
Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.227500
Lower Crest X Position	0.100000
Lower Crest Y Position	-0.082500
Note	Other parameters at mean values

Performance: L/D = 353.99, CL = 0.2561, CD = 0.000723



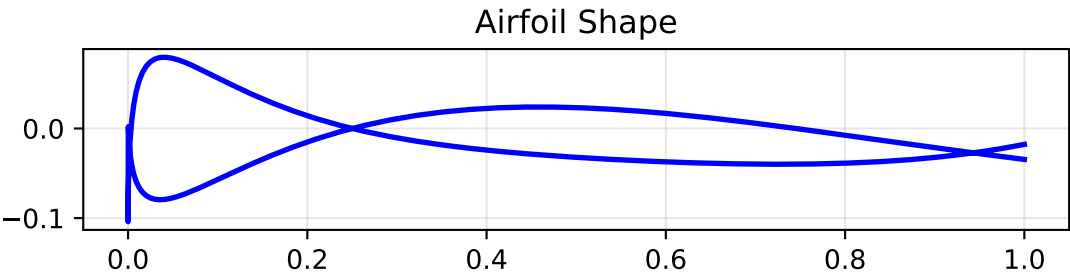
Parameter	Value
Leading Edge Radius	0.032500
Upper Crest X Position	0.366632
Upper Crest Y Position	0.227500
Lower Crest X Position	0.200000
Lower Crest Y Position	-0.155000
Note	Other parameters at mean values

Performance: L/D = 344.76, CL = 0.4249, CD = 0.001232



Parameter	Value
Leading Edge Radius	0.032500
Upper Crest X Position	0.366632
Upper Crest Y Position	0.227500
Lower Crest X Position	0.200000
Lower Crest Y Position	-0.010000
Note	Other parameters at mean values

Performance: L/D = 338.98, CL = 0.5101, CD = 0.001505



Parameter	Value
Leading Edge Radius	0.100000
Upper Crest X Position	0.188842
Upper Crest Y Position	0.010000
Lower Crest X Position	0.200000
Lower Crest Y Position	-0.010000
Note	Other parameters at mean values