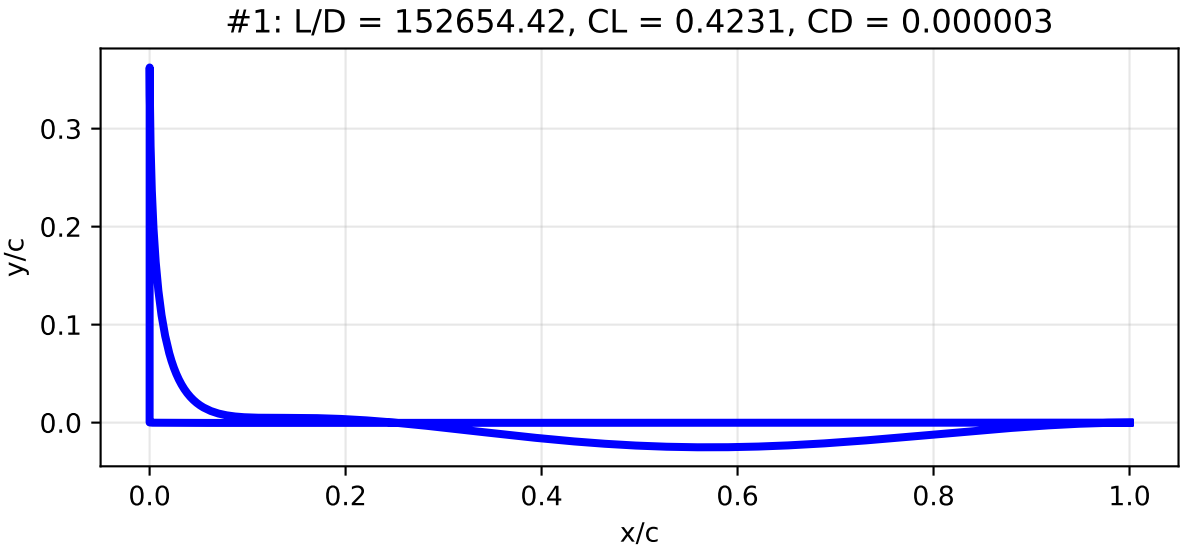


# **Top 10 Airfoils by Lift-to-Drag Ratio**

PARSEC Parameter Sweep Results

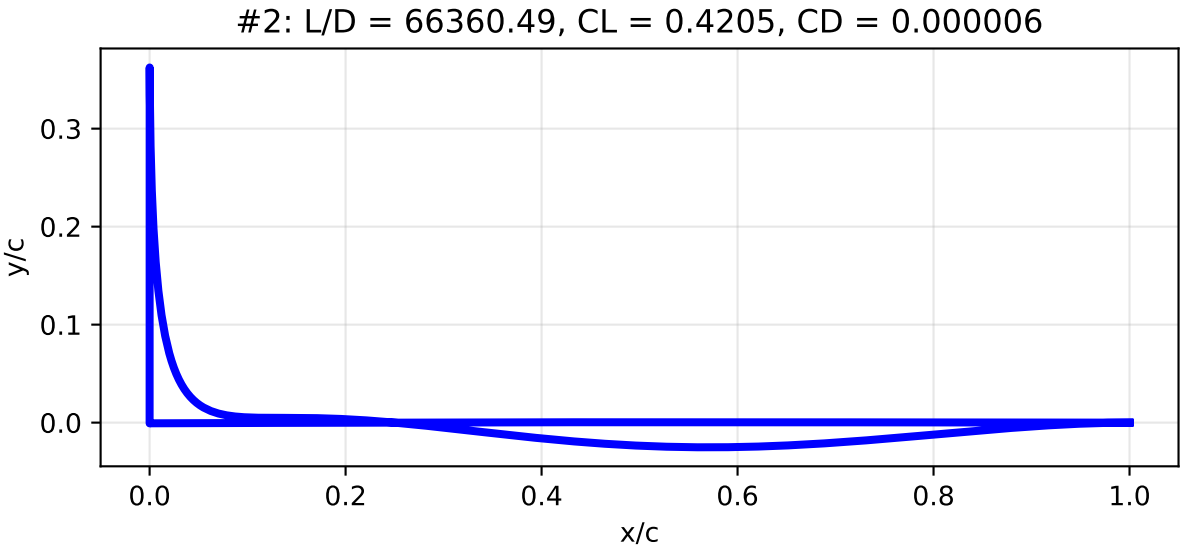
Total combinations analyzed: 3125

Generated: 2025-08-07



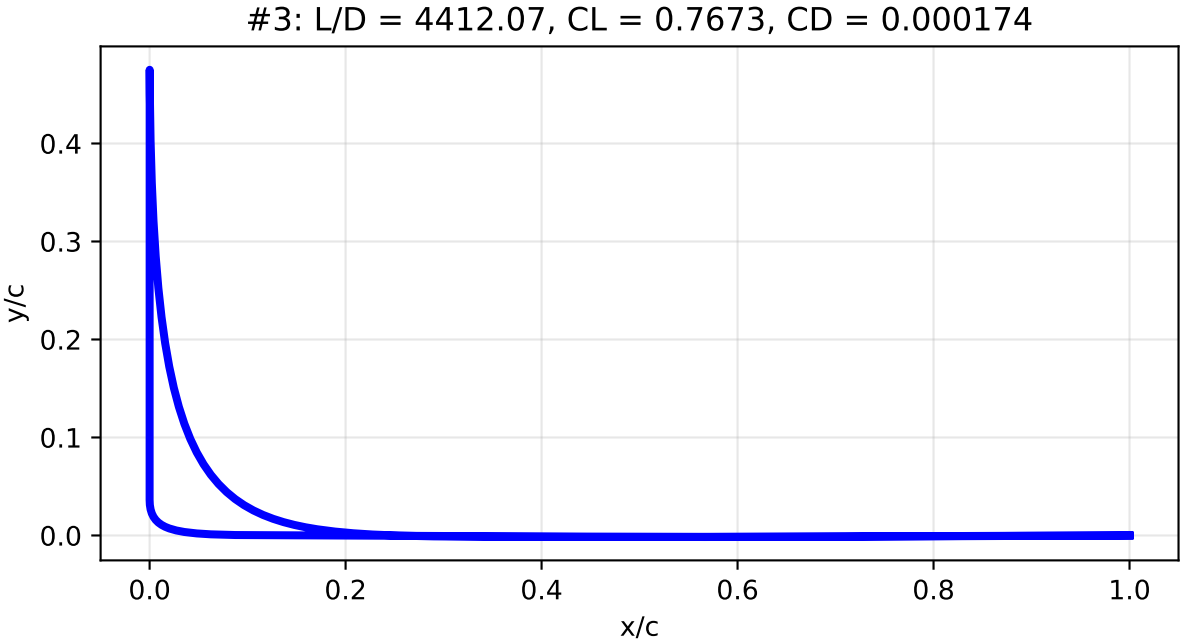
Parameter Values

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
-----	-----
Lift Coefficient (CL)	0.423099
Drag Coefficient (CD)	0.000003
Moment Coefficient (CM)	0.088655
Lift-to-Drag Ratio (L/D)	152654.420000



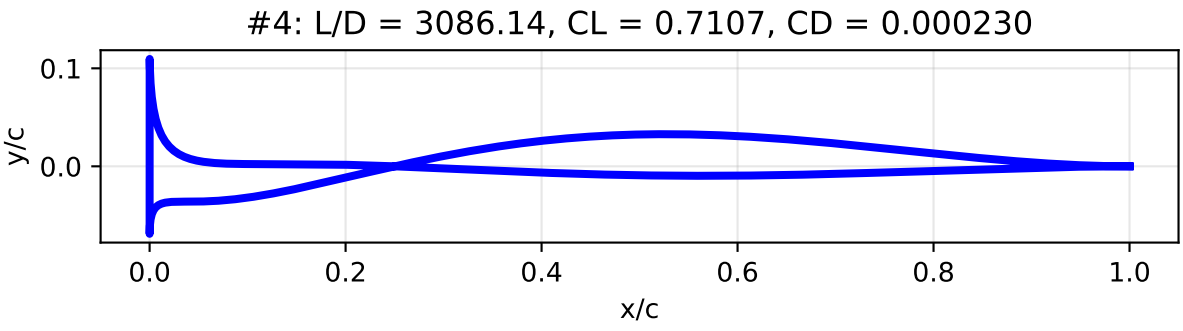
Parameter Values

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
-----	-----
Lift Coefficient (CL)	0.420508
Drag Coefficient (CD)	0.000006
Moment Coefficient (CM)	0.085531
Lift-to-Drag Ratio (L/D)	66360.490000



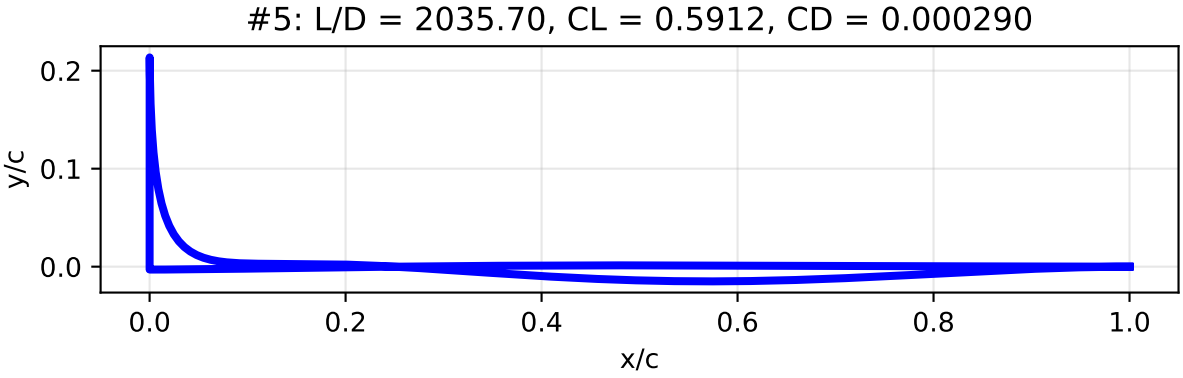
Parameter Values

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
-----	-----
Lift Coefficient (CL)	0.767260
Drag Coefficient (CD)	0.000174
Moment Coefficient (CM)	-0.007941
Lift-to-Drag Ratio (L/D)	4412.071000



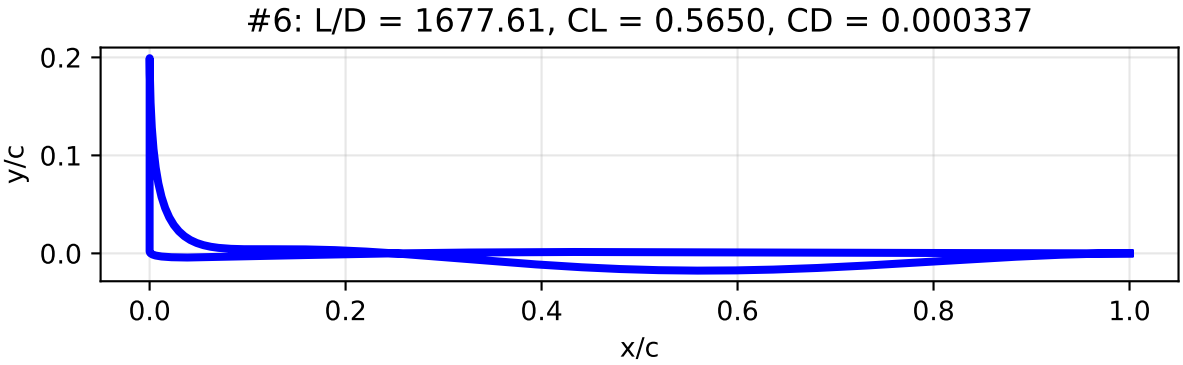
Parameter Values

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
-----	-----
Lift Coefficient (CL)	0.710674
Drag Coefficient (CD)	0.000230
Moment Coefficient (CM)	-0.013862
Lift-to-Drag Ratio (L/D)	3086.144300



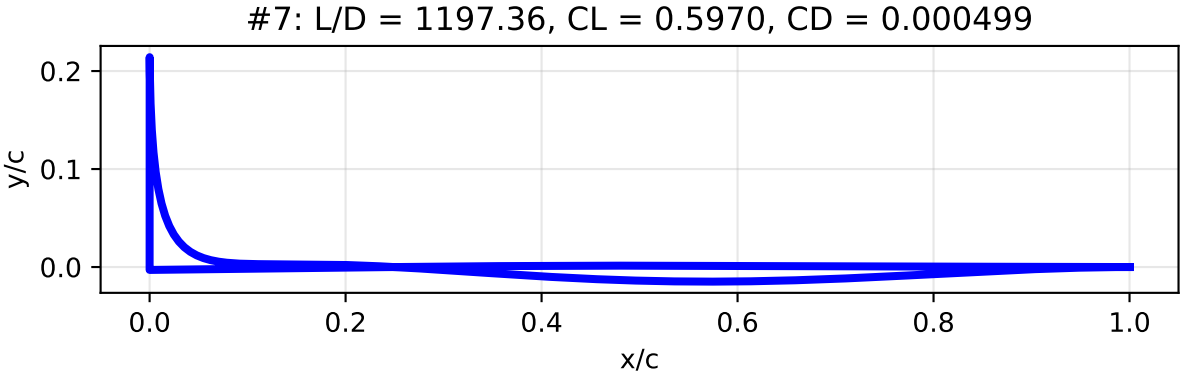
Parameter Values

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
-----	-----
Lift Coefficient (CL)	0.591246
Drag Coefficient (CD)	0.000290
Moment Coefficient (CM)	0.053288
Lift-to-Drag Ratio (L/D)	2035.699300



Parameter Values

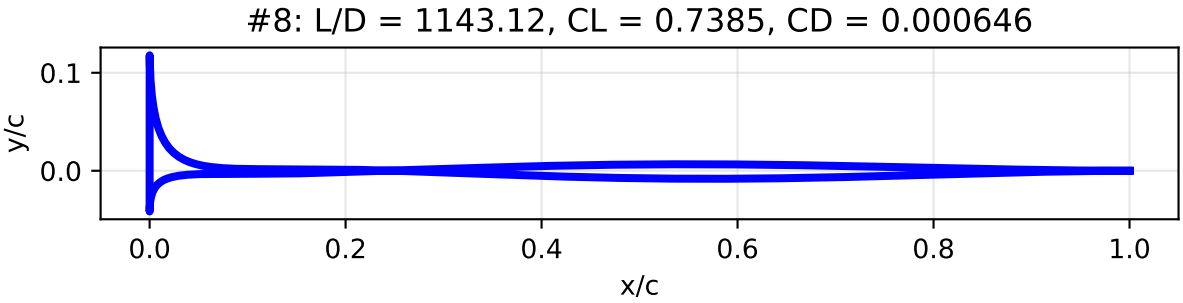
Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.010000
Lower Crest X Position	0.200000
Lower Crest Y Position	-0.010000
-----	-----
Lift Coefficient (CL)	0.564978
Drag Coefficient (CD)	0.000337
Moment Coefficient (CM)	0.053751
Lift-to-Drag Ratio (L/D)	1677.608600



Parameter Values

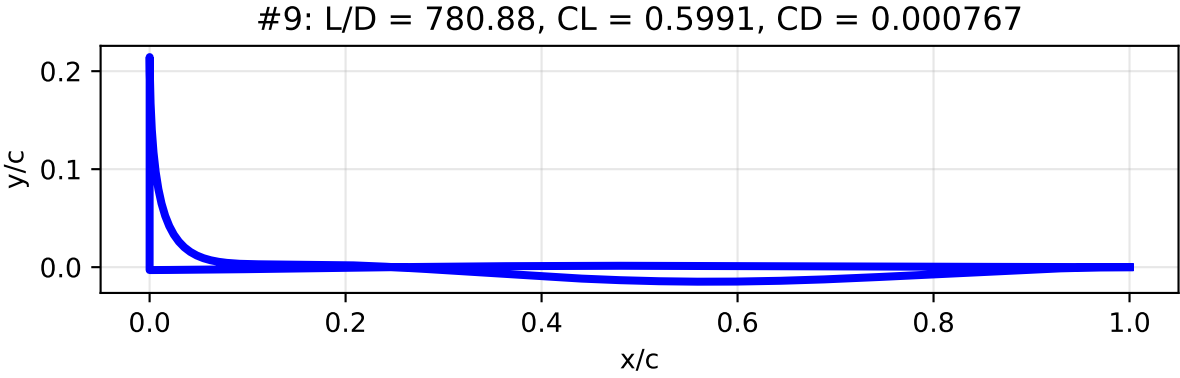
Parameter	Value
Leading Edge Radius	0.055000
Upper Crest X Position	0.366632
Upper Crest Y Position	0.155000
Lower Crest X Position	0.100000
Lower Crest Y Position	-0.155000
-----	-----
Lift Coefficient (CL)	0.597011
Drag Coefficient (CD)	0.000499
Moment Coefficient (CM)	0.053717
Lift-to-Drag Ratio (L/D)	1197.355700





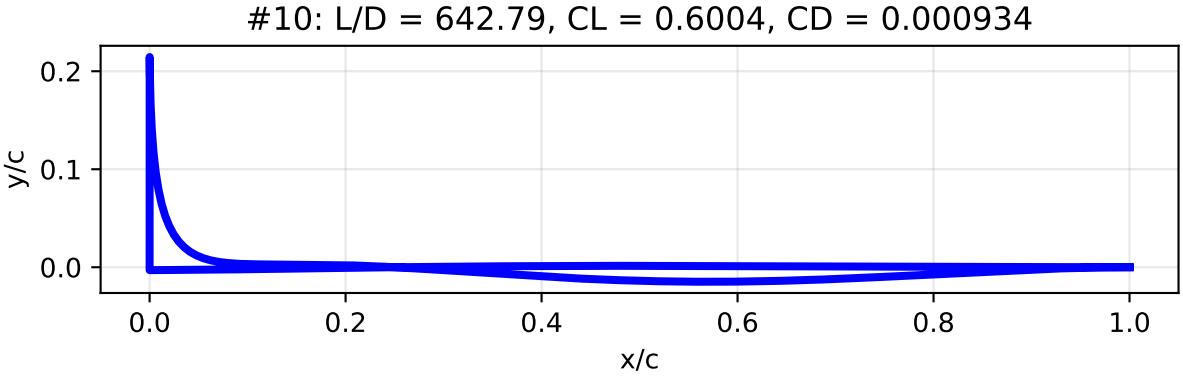
Parameter Values

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
-----	-----
Lift Coefficient (CL)	0.738459
Drag Coefficient (CD)	0.000646
Moment Coefficient (CM)	-0.009860
Lift-to-Drag Ratio (L/D)	1143.124000



Parameter Values

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
-----	-----
Lift Coefficient (CL)	0.599137
Drag Coefficient (CD)	0.000767
Moment Coefficient (CM)	0.053779
Lift-to-Drag Ratio (L/D)	780.881530



Parameter Values

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
-----	-----
Lift Coefficient (CL)	0.600436
Drag Coefficient (CD)	0.000934
Moment Coefficient (CM)	0.053793
Lift-to-Drag Ratio (L/D)	642.787840