

# Activity 1.2.6 Airfoil Simulation Comparison

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## Constraints

### Shape Tab

Airfoil Type	Airfoil
Basic Shape	Symetric
Camber	0 %
Thickness	13 %

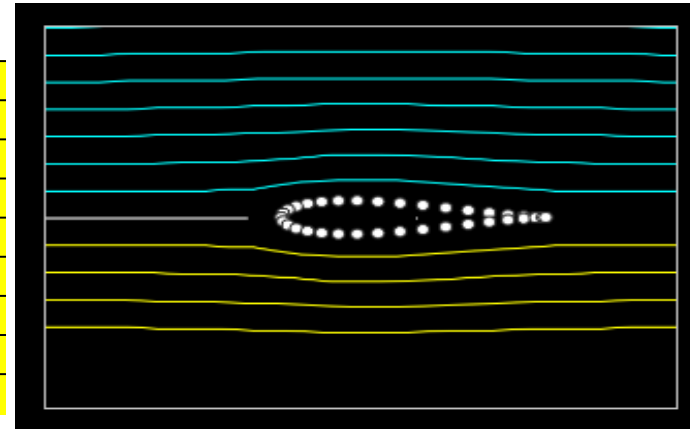
### Flight tab

Flight Test	Earth - Average Day
Speed	160.0 kmph
Altitude	1500 m

### Size tab

Chord	2.100 m
Span	13.100 m
Wing area	27.510 ft2
Aspect Ratio	6.238

Angle of Attack (Degrees)	Cl	Cd
-20	-1.1	0.175
-15	-1.41	0.209
-10	-1.11	0.106
-5	-0.58	0.033
0	0	0.019
5	0.58	0.04
10	1.11	0.104
15	1.41	0.197
20	1.1	0.225



Effect of Angle of Attack on Cl and Cd

