



VTOL\_18AR\_NACA63306\_followonAnalysis\_Wing&EmpOnly.history - Notepad

Iter	Mach	AoA	Beta	CL	CDo	CDi	CDtot	CS	L/D	E	CFX	CFy	CFz	CMx	CMy	CMz	T/Q5
1	0.15700	2.00000	0.00000	0.49218	0.01074	0.00434	0.01508	-0.00000	32.63591	0.92458	-0.01284	-0.00000	0.49203	-0.00000	0.95917	0.00000	0.00000
2	0.15700	2.00000	0.00000	0.49218	0.01074	0.00434	0.01508	0.00000	32.63771	0.92476	-0.01284	-0.00000	0.49203	0.00000	0.95923	-0.00000	0.00000
3	0.15700	2.00000	0.00000	0.49217	0.01074	0.00434	0.01508	-0.00000	32.63790	0.92480	-0.01284	-0.00000	0.49202	0.00000	0.95916	-0.00000	0.00000
4	0.15700	2.00000	0.00000	0.49217	0.01074	0.00434	0.01508	-0.00000	32.63750	0.92477	-0.01284	-0.00000	0.49202	-0.00000	0.95916	0.00000	0.00000
5	0.15700	2.00000	0.00000	0.49217	0.01074	0.00434	0.01508	0.00000	32.63740	0.92476	-0.01284	-0.00000	0.49202	-0.00000	0.95916	0.00000	0.00000

Skin Fiction Drag Break out:

Surface CDo

Sweptwinglets13 : 0.00454  
 Sweptwinglets13 : 0.00454  
 Emp : 0.00083  
 Emp : 0.00083

## Wing & Tail Only

VTOL\_18AR\_NACA63306\_fitted\_FINAL.history - Notepad

Iter	Mach	AoA	Beta	CL	CDo	CDi	CDtot	CS	L/D	E	CFX	CFy	CFz	CMx	CMy	CMz	T/Q5
1	0.15700	2.00000	0.00000	0.48446	0.02907	0.00417	0.03325	0.00000	14.57189	0.93201	-0.01274	0.00000	0.48431	0.00000	0.58410	0.00000	0.00000
2	0.15700	2.00000	0.00000	0.48339	0.02907	0.00415	0.03322	0.00001	14.55024	0.93221	-0.01272	0.00001	0.48324	-0.00003	0.55957	0.00002	0.00000
3	0.15700	2.00000	0.00000	0.48372	0.02907	0.00415	0.03322	0.00003	14.55953	0.93425	-0.01273	0.00003	0.48357	-0.00003	0.55667	0.00002	0.00000
4	0.15700	2.00000	0.00000	0.48317	0.02907	0.00415	0.03323	0.00008	14.54078	0.93099	-0.01271	0.00008	0.48302	-0.00007	0.57169	0.00001	0.00000
5	0.15700	2.00000	0.00000	0.48026	0.02907	0.00405	0.03312	0.00026	14.50006	0.94422	-0.01272	0.00026	0.48010	-0.00006	0.61737	0.00022	0.00000

Skin Fiction Drag Break out:

Surface CDo

Sweptwinglets13 : 0.00454  
 Sweptwinglets13 : 0.00454  
 Emp : 0.00083  
 Emp : 0.00083  
 Cowling : 0.00071  
 Cowling : 0.00071  
 Cowling : 0.00071  
 Cowling : 0.00071  
 Cowling : 0.00071  
 Cowling : 0.00071  
 Cowling : 0.00071  
 Cowling : 0.00071  
 Fuselage : 0.00316  
 Fuselage : 0.00316  
 Fuselage : 0.00316  
 Fuselage : 0.00316

## Total Fuselage & Wing