

## Sizing of high lift devices using Parapy: output file

Saved at: 2020-05-05 13:54:46.943645

Planform file name: test\_planform1

### Input parameters:

wing_span	= 15.0 m
root_chord	= 5.0 m
taper_inner	= 0.7
taper_outer	= 0.5
kink_position	= 4.0 m
flap_gap	= 0.5 m
sweep_deg	= 25.0 deg
dihedral_deg	= 5.0 deg
front_spar	= 0.2 x/c
rear_spar	= 0.6 x/c
outer_flap_lim	= 0.9 y/b
fuselage_radius	= 1.5 m
clmax	= 2.0
twist	= 0.0 deg
speed	= 100.0 m/s
airfoil_name	= ex3
flap_type	= Slotted

### Output parameters:

Cl_max of airfoil	= 1.246
Delta Cl_max	= 0.754
Flap hinge location	= 0.85 x/c
Flap deflection	= 45 deg