Sizing of high lift devices using Parapy: output file

Saved at: 2020-05-04 12:27:03.280821
Planform file name: test_planform1

Input parameters:

wing_span	= 12.0 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	= 0.7 x/c
outer_flap_lim	= 0.7 y/b
fuselage_radius	= 1.5 m
clmax	= 2.0
twist	= 2.0 deg
speed	= 100.0 m/s
airfoil_name	= 4415
flap_type	= Fowler

Output parameters:

Cl_max of airfoil	= 0.831
Delta Cl_max	= 1.169
Flap hinge location	= 0.72 x/c
Flap deflection	= 45 deg