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

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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 |