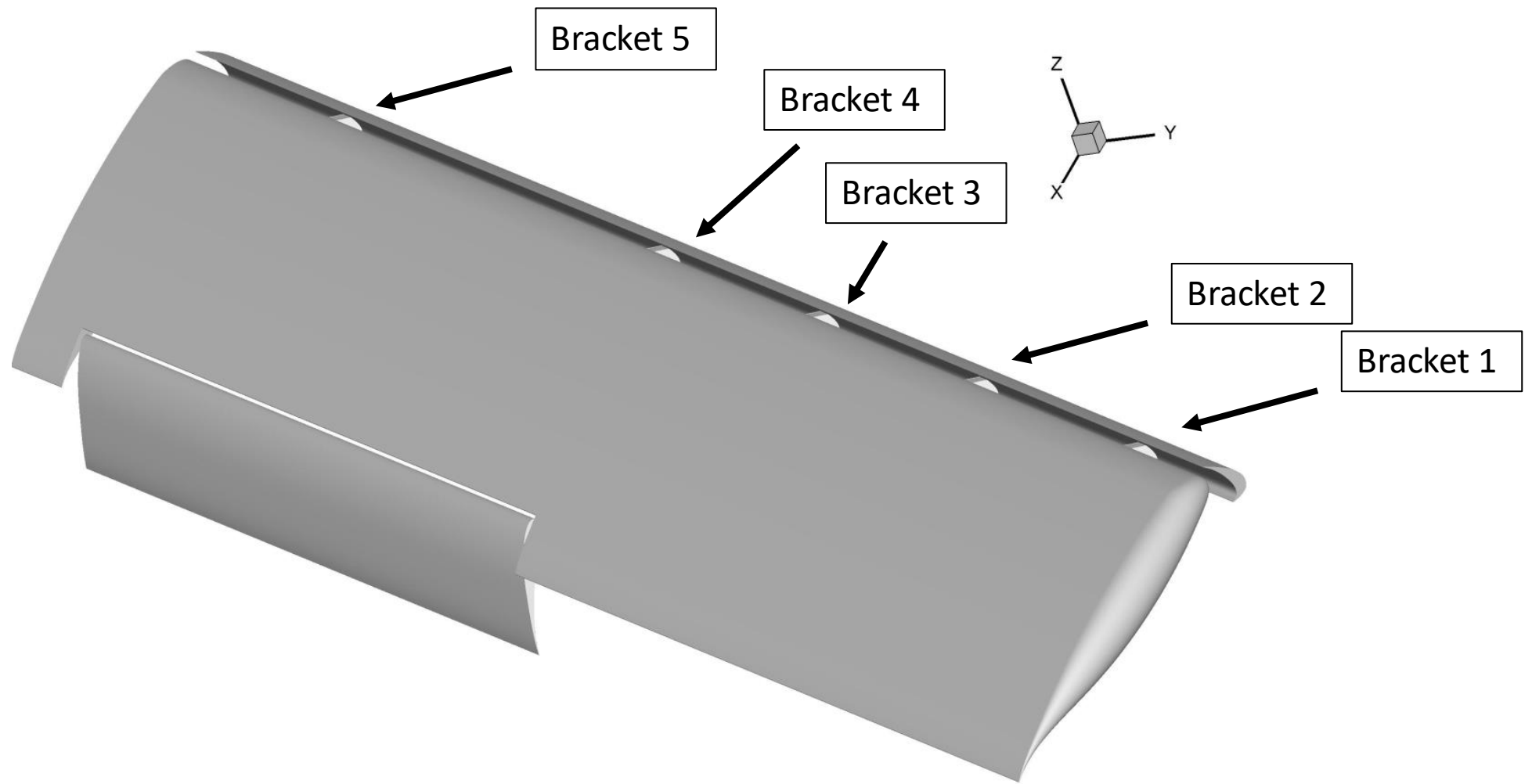
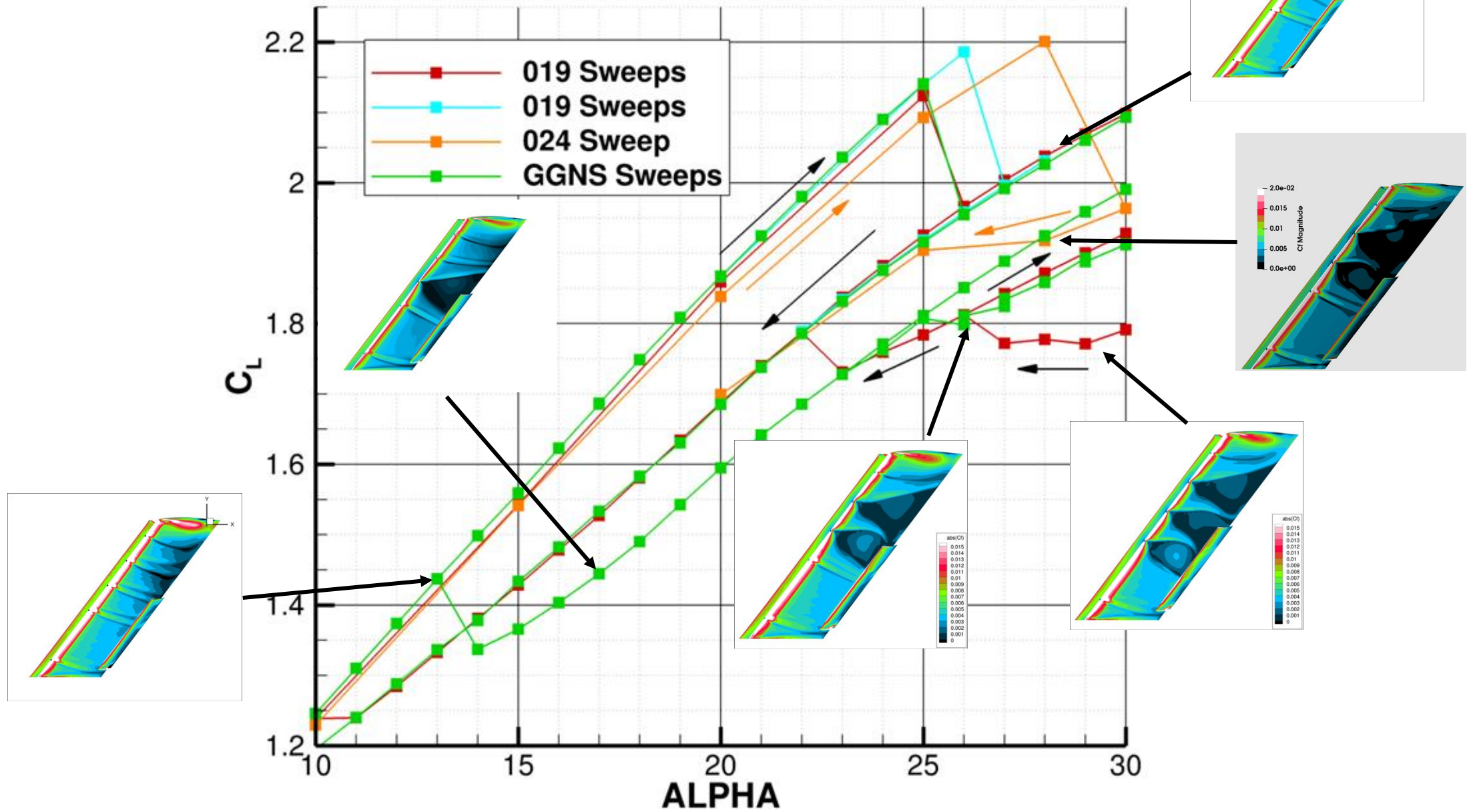
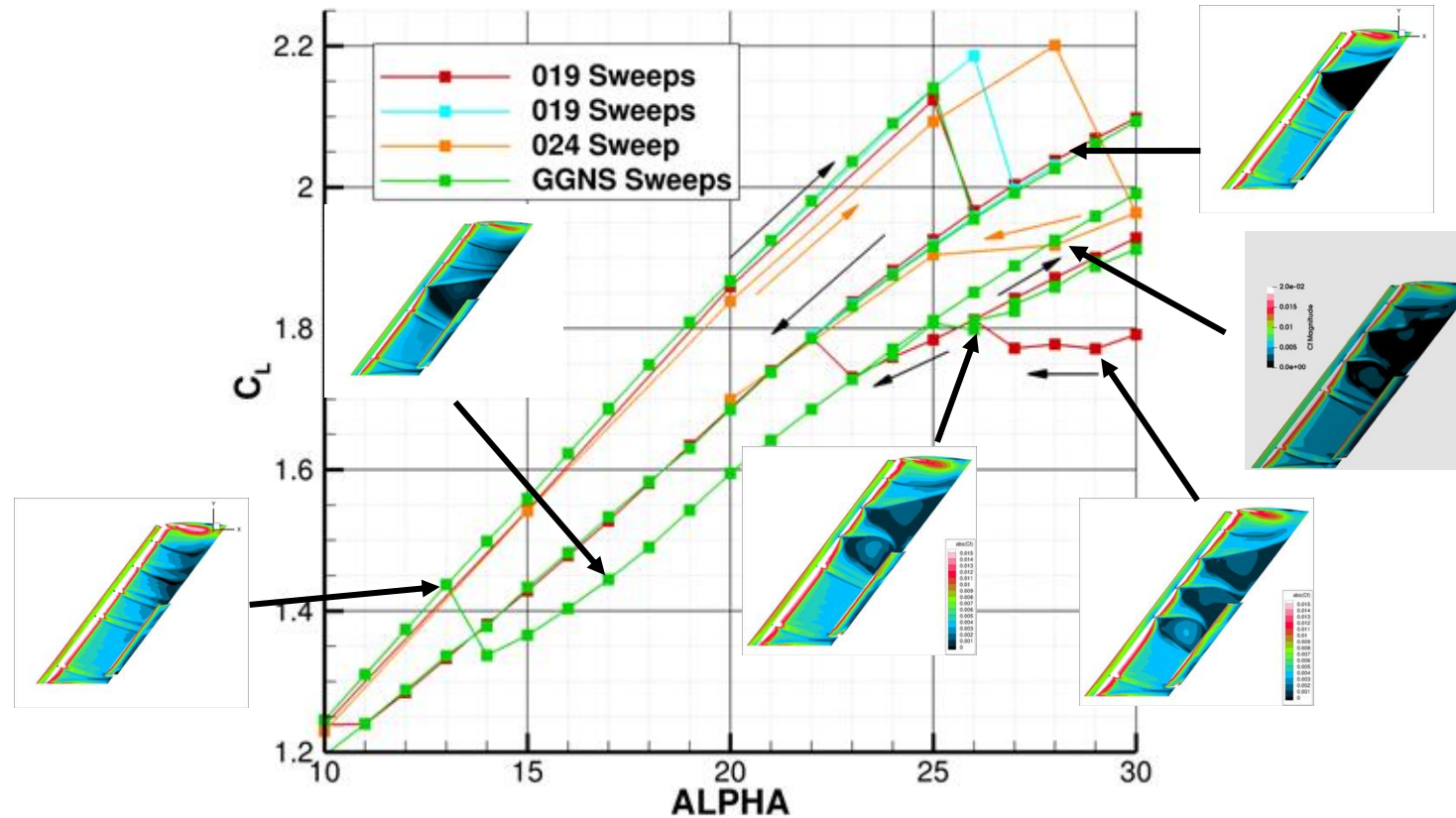




Branch Map





- Branch 0** : upper branch, no pizza slice shaped separation
- Branch 1₂** : one pizza attached to the second bracket
- Branch 1₃** : one pizza attached to the third bracket
- Branch 2_{2,3}** : two pizzas attached to the second and third brackets
- Branch 3_{1,2,3}** : three pizzas attached to the first, second, and third brackets
- Branch 3_{2,3,4}** : three pizzas attached to the second, third, and fourth brackets

Branch 0:

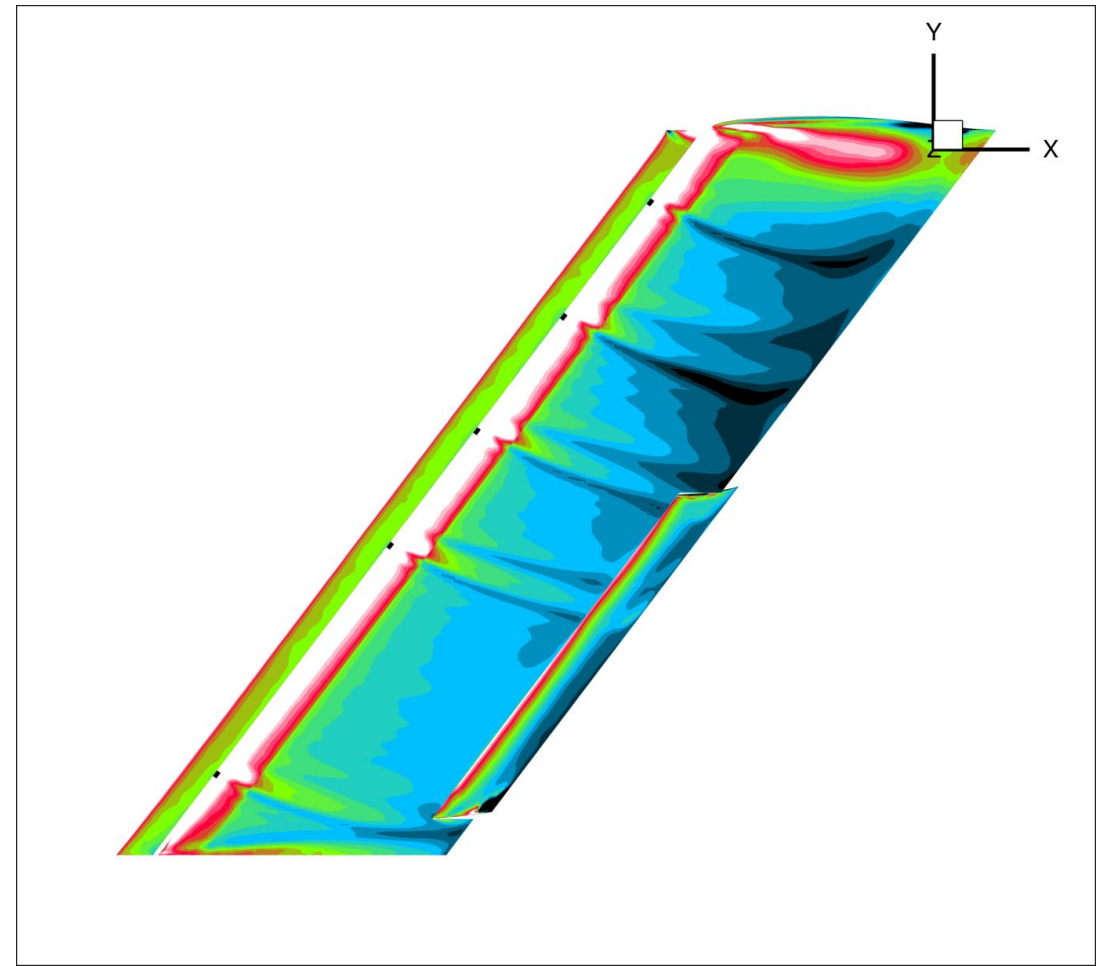
Alpha = 10 deg: $1.23 < CL < 1.26$

Alpha = 15 deg: $1.54 < CL < 1.58$

Alpha = 20 deg: $1.83 < CL < 1.88$

Alpha = 25 deg: $2.07 < CL < 2.16$

Alpha = 30 deg*: $2.25 < CL < 2.35$ (*may not exist; we could not find iteratively and grid-converged solutions, but some codes reported an SA-model upper branch solution at this angle of attack, e.g., 018 Mesh D)



Branch 1₂:

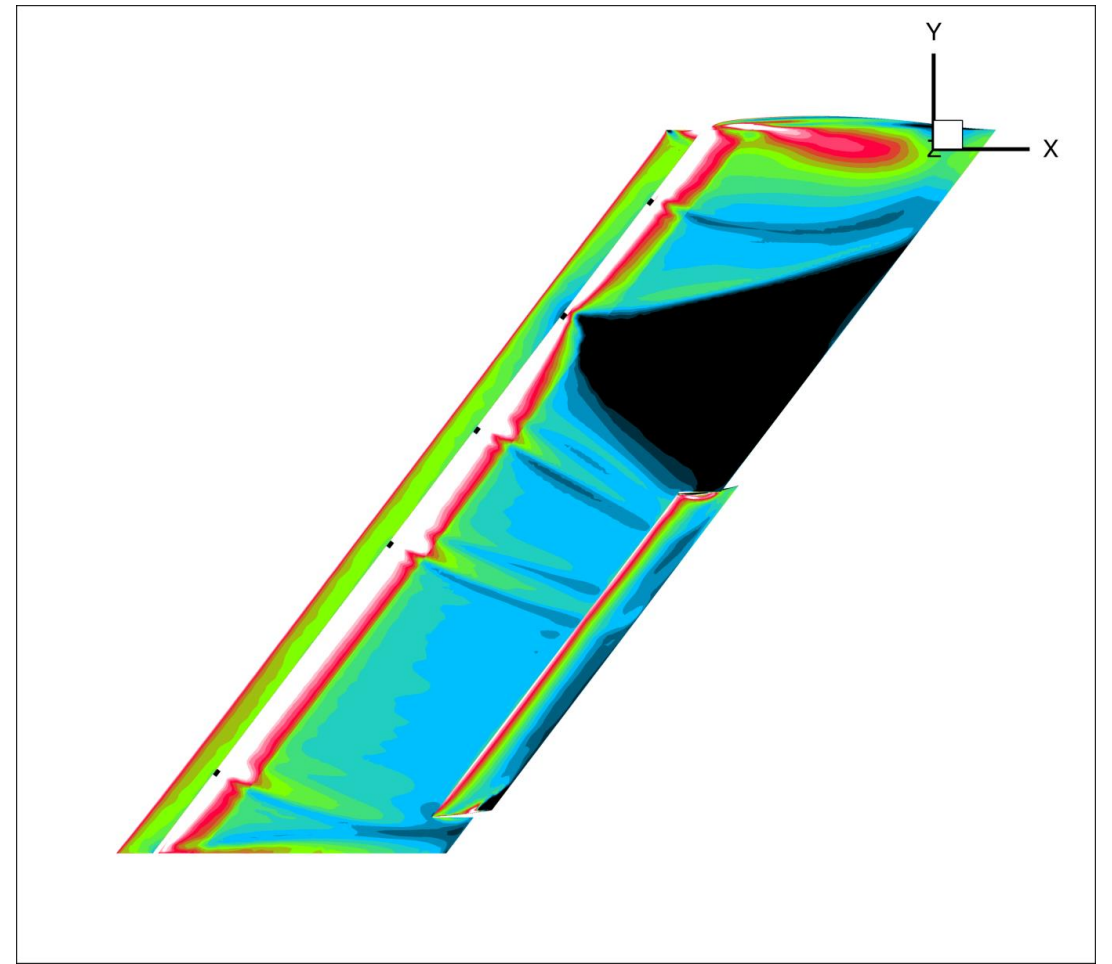
Alpha = 10 deg: $1.18 < CL < 1.22$

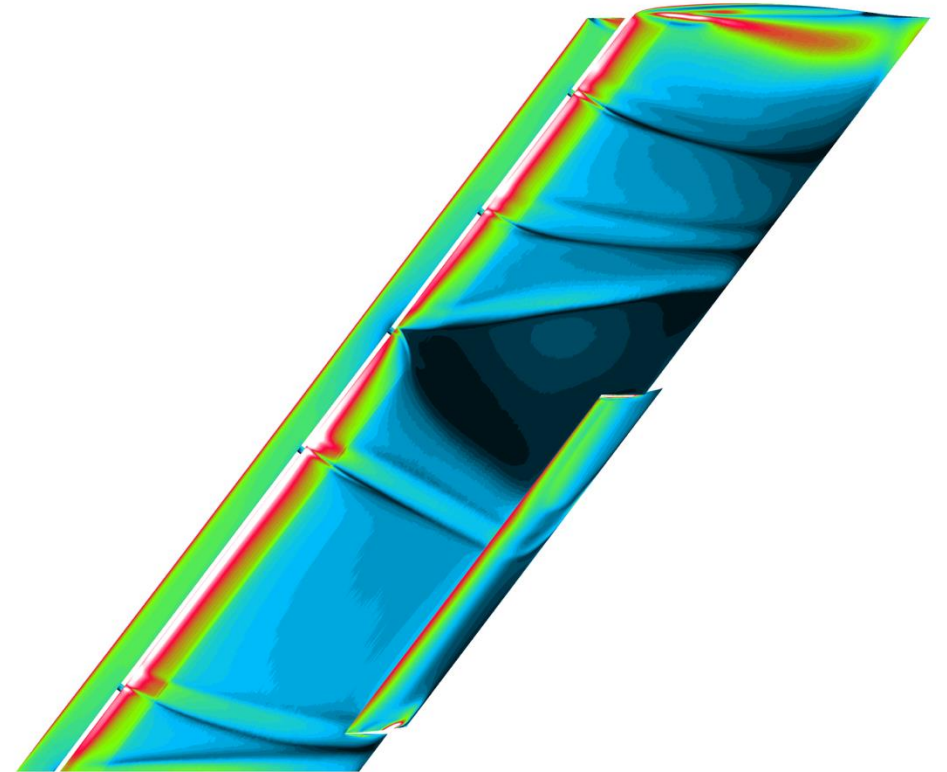
Alpha = 15 deg: $1.42 < CL < 1.46$

Alpha = 20 deg: $1.65 < CL < 1.75$

Alpha = 25 deg: $1.87 < CL < 1.95$

Alpha = 30 deg: $2.05 < CL < 2.15$





Branch 1_3 :

Alpha = 10 deg^{**}: ??? < CL < ??? (**may not exist; merged with other branches)

Alpha = 15 deg: 1.35 < CL < 1.40

Alpha = 20 deg: 1.55 < CL < 1.64

Alpha = 25 deg: 1.77 < CL < 1.85

Alpha = 30 deg: 1.95 < CL < 2.00

Branch $2_{2,3}$:

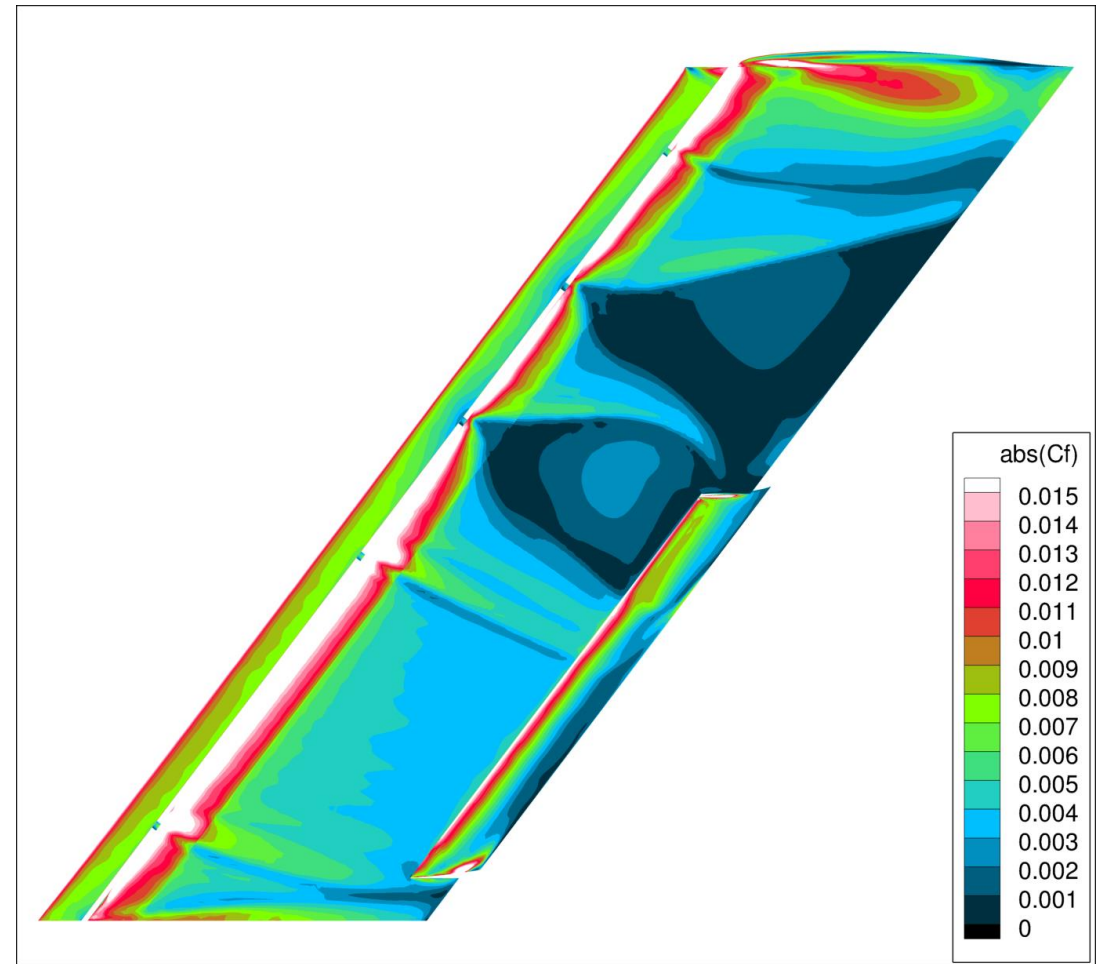
Alpha = 10 deg^{**}: ??? < CL < ???

Alpha = 15 deg^{**}: ??? < CL < ???

Alpha = 20 deg^{**}: ??? < CL < ???

Alpha = 25 deg: 1.75 < CL < 1.80

Alpha = 30 deg: 1.88 < CL < 1.95



Branch 3_{1,2,3}:

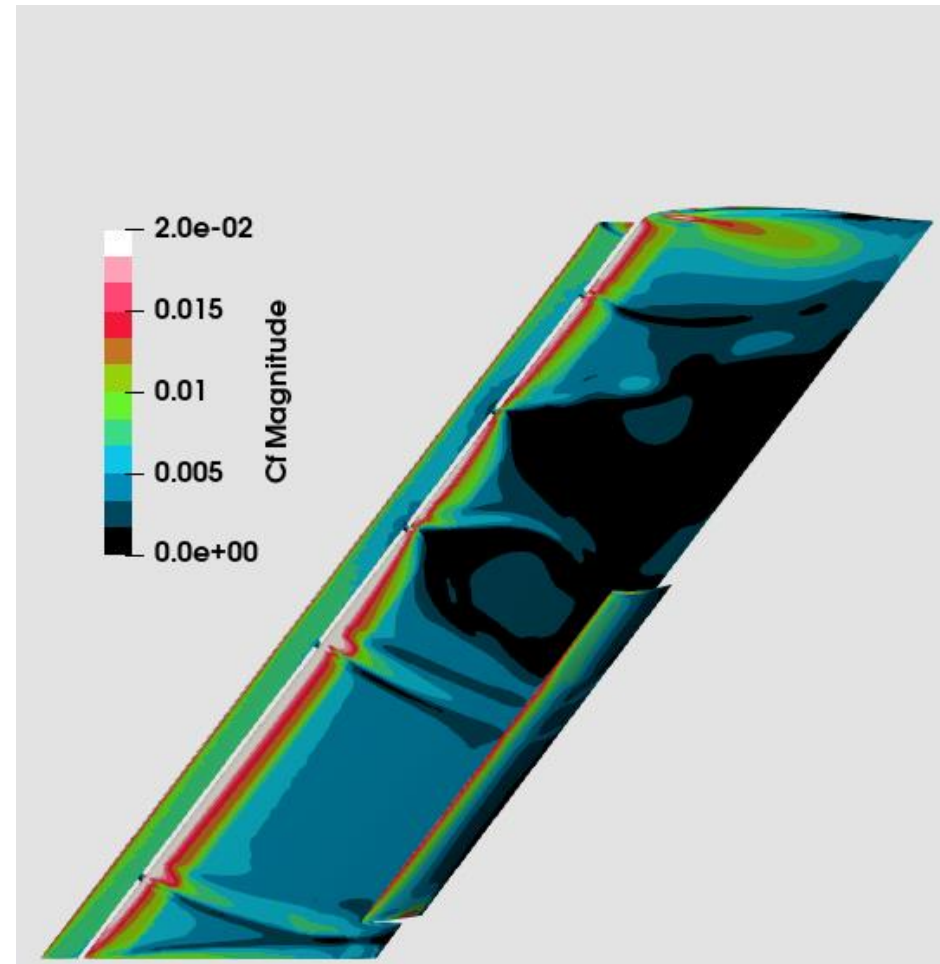
Alpha = 10 deg^{**}: ??? < CL < ???

Alpha = 15 deg^{**}: ??? < CL < ???

Alpha = 20 deg^{**}: ??? < CL < ???

Alpha = 25 deg^{**}: ??? < CL < ???

Alpha = 30 deg: 1.95 < CL < 2.00



Branch $3_{2,3,4}$:

Alpha = 10 deg^{**}: ??? < CL < ???

Alpha = 15 deg^{**}: ??? < CL < ???

Alpha = 20 deg^{**}: ??? < CL < ???

Alpha = 25 deg^{**}: ??? < CL < ???

Alpha = 30 deg: 1.77 < CL < 1.82

