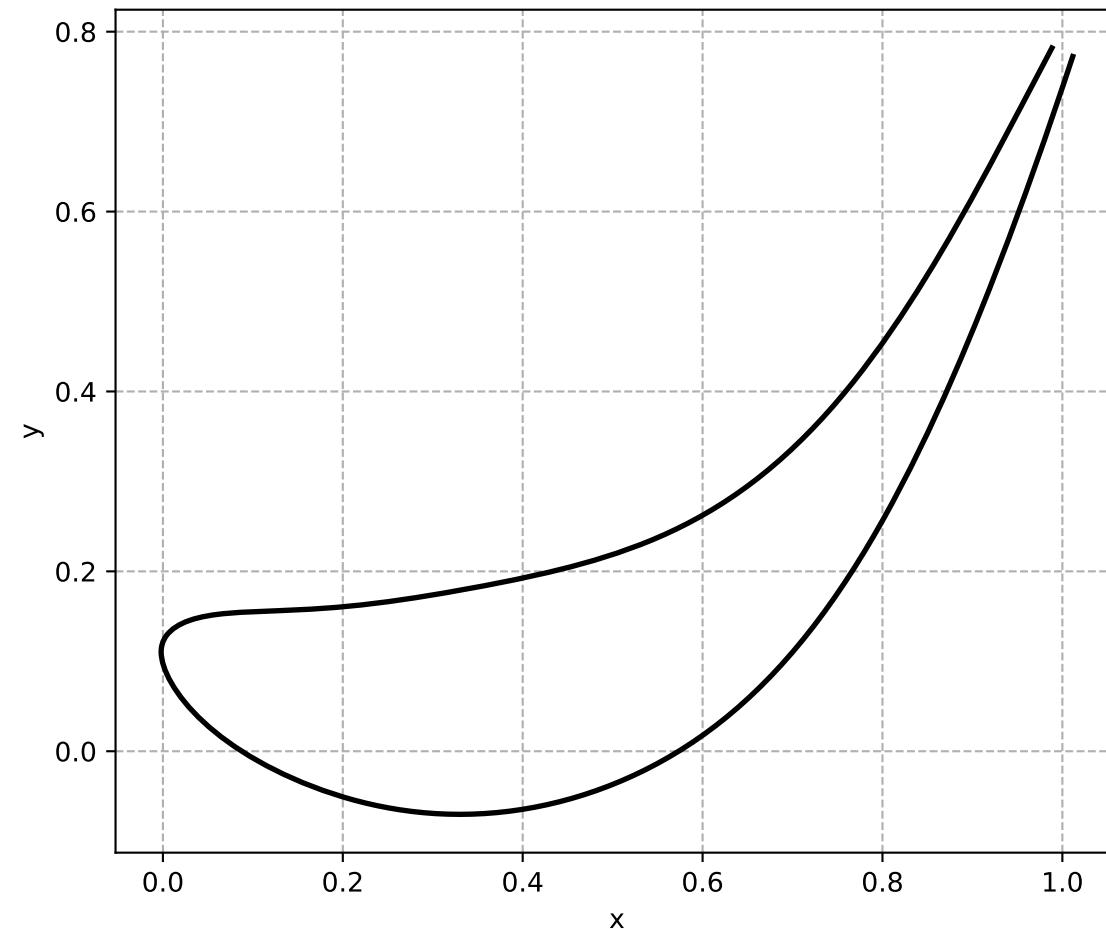
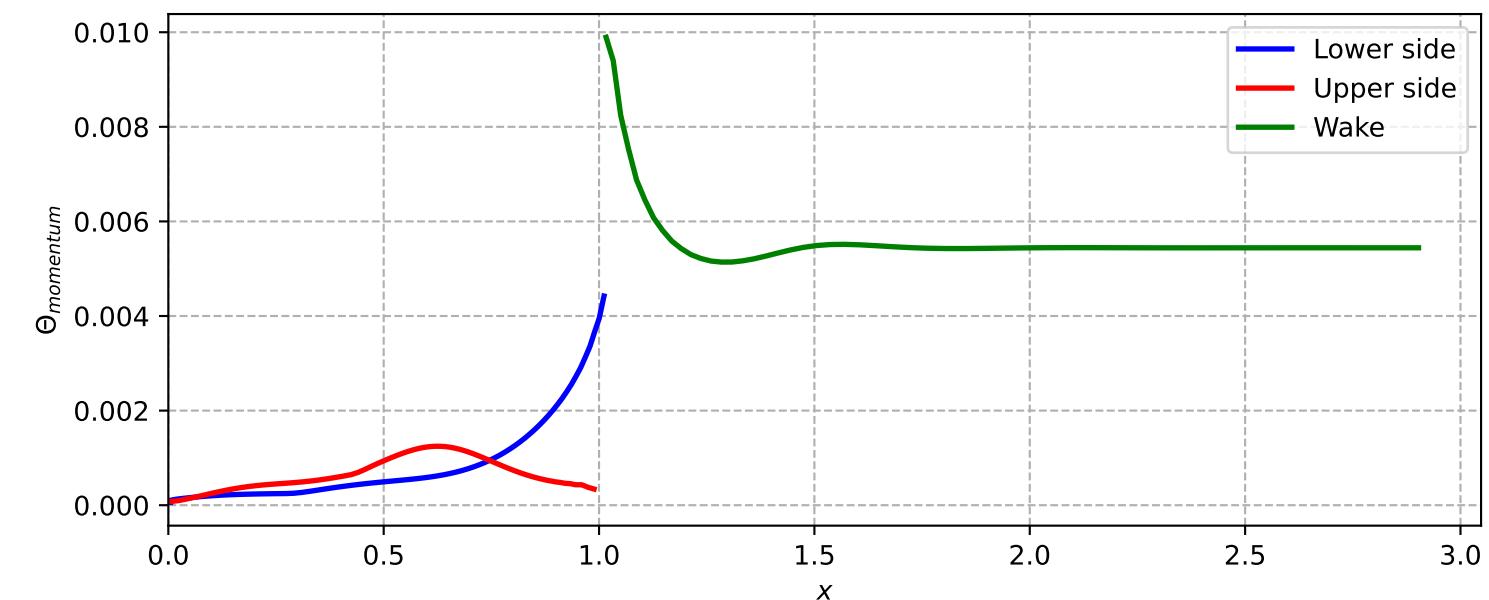
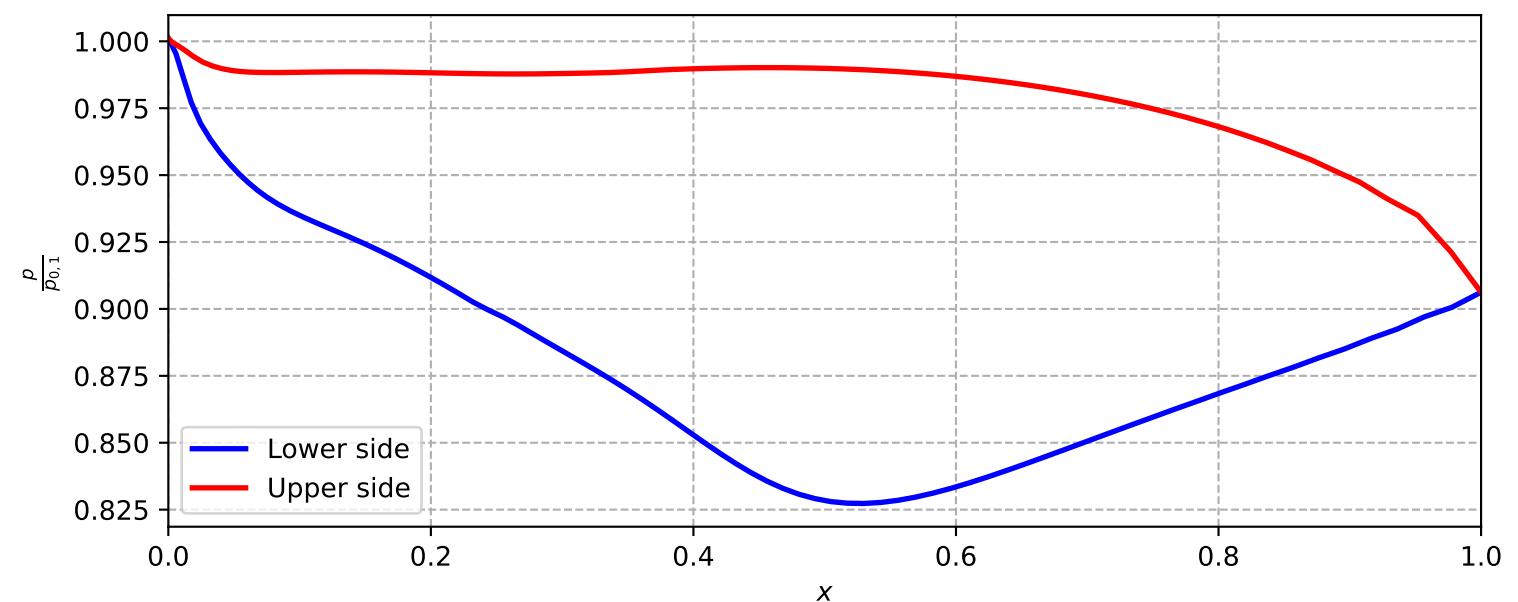
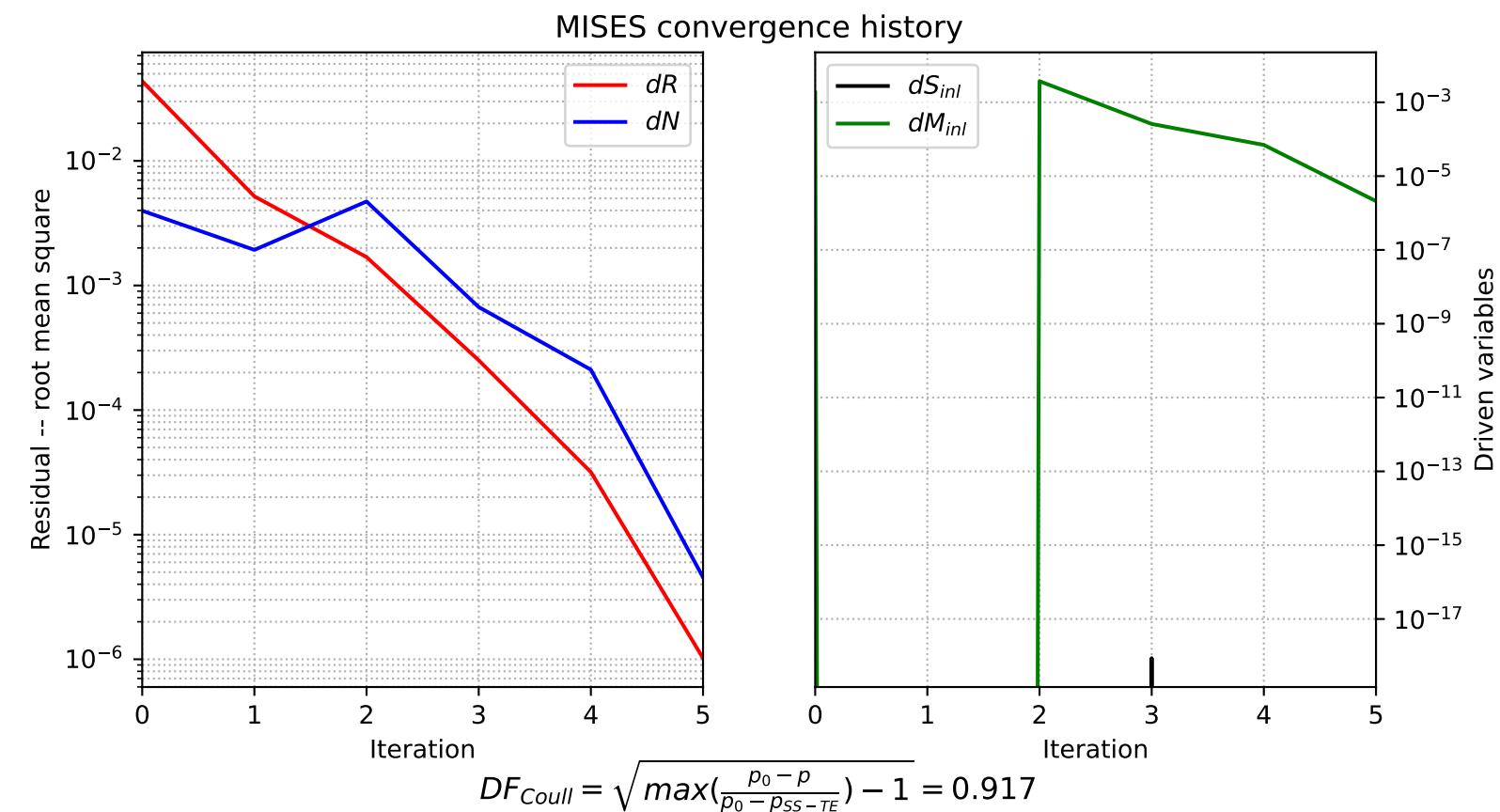
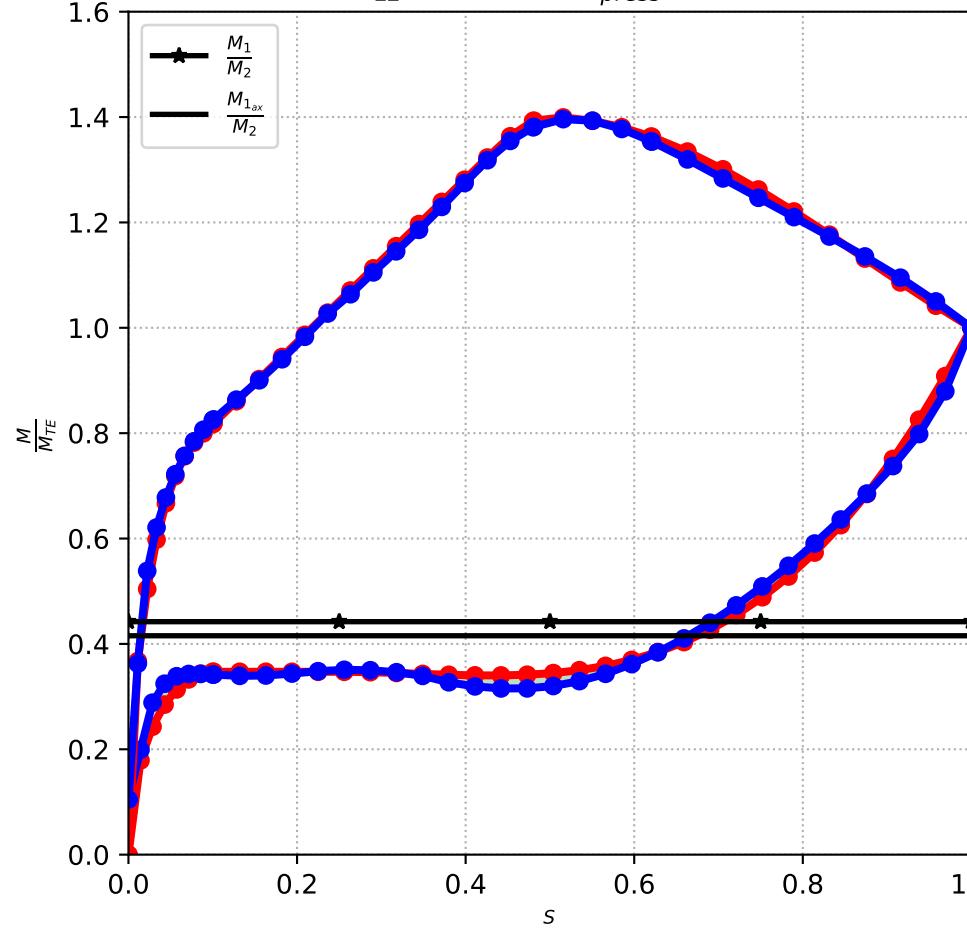


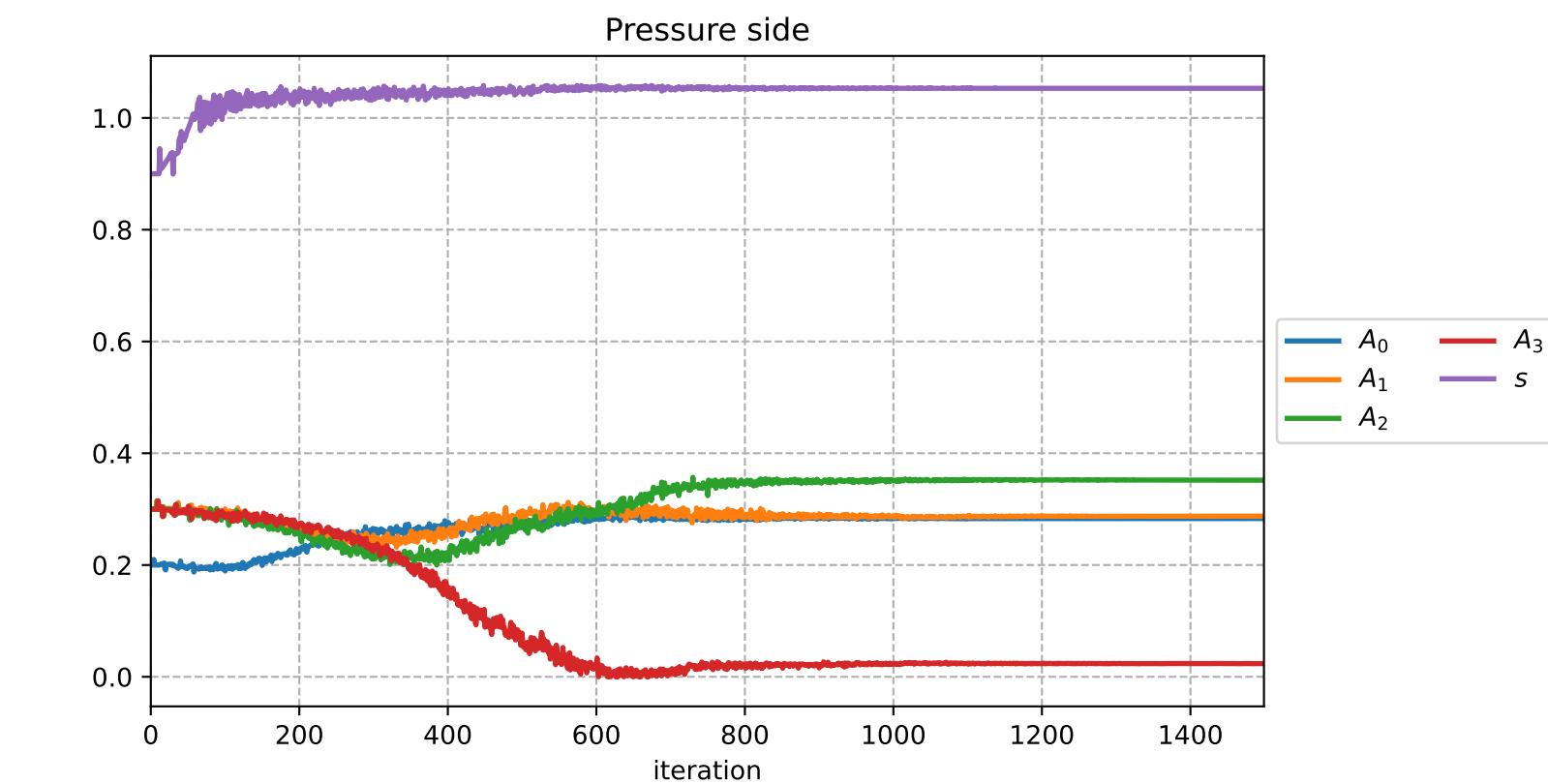
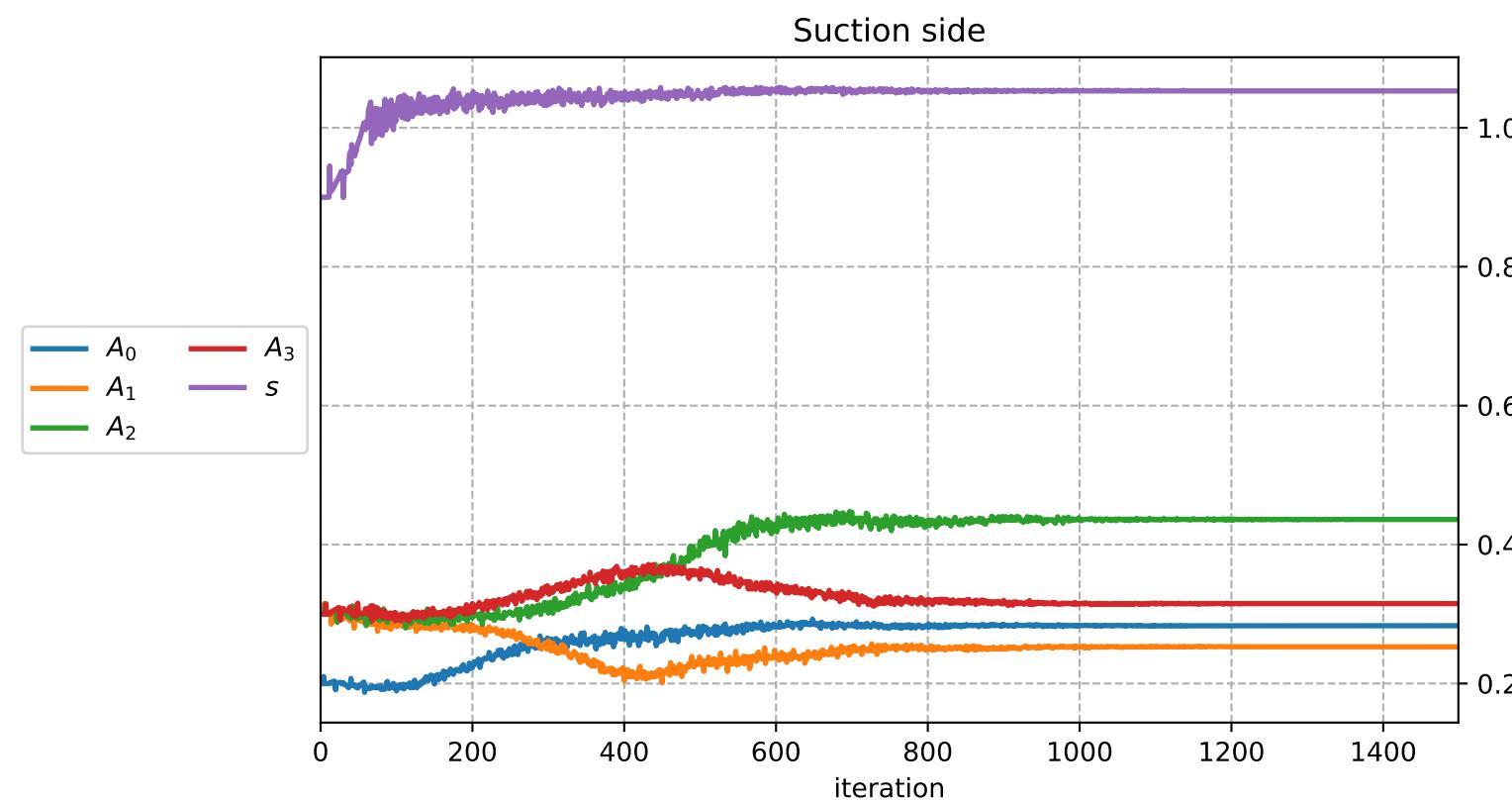
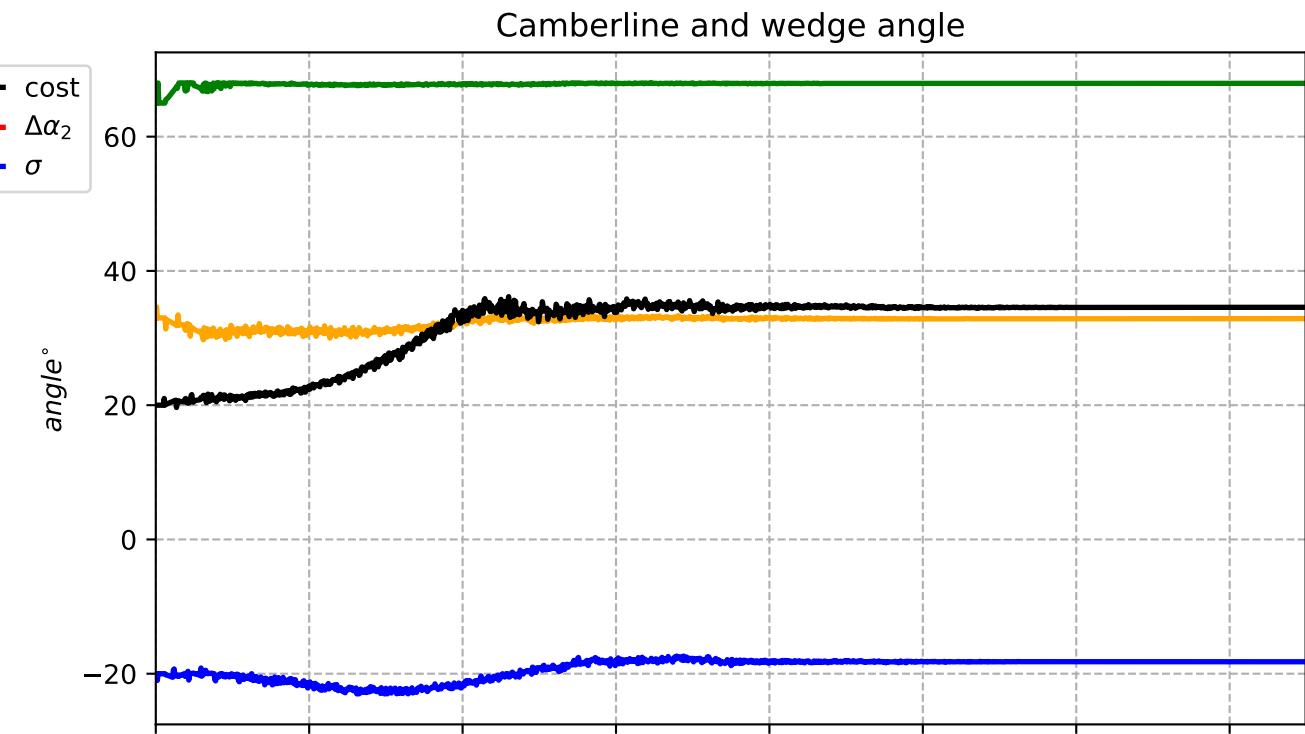
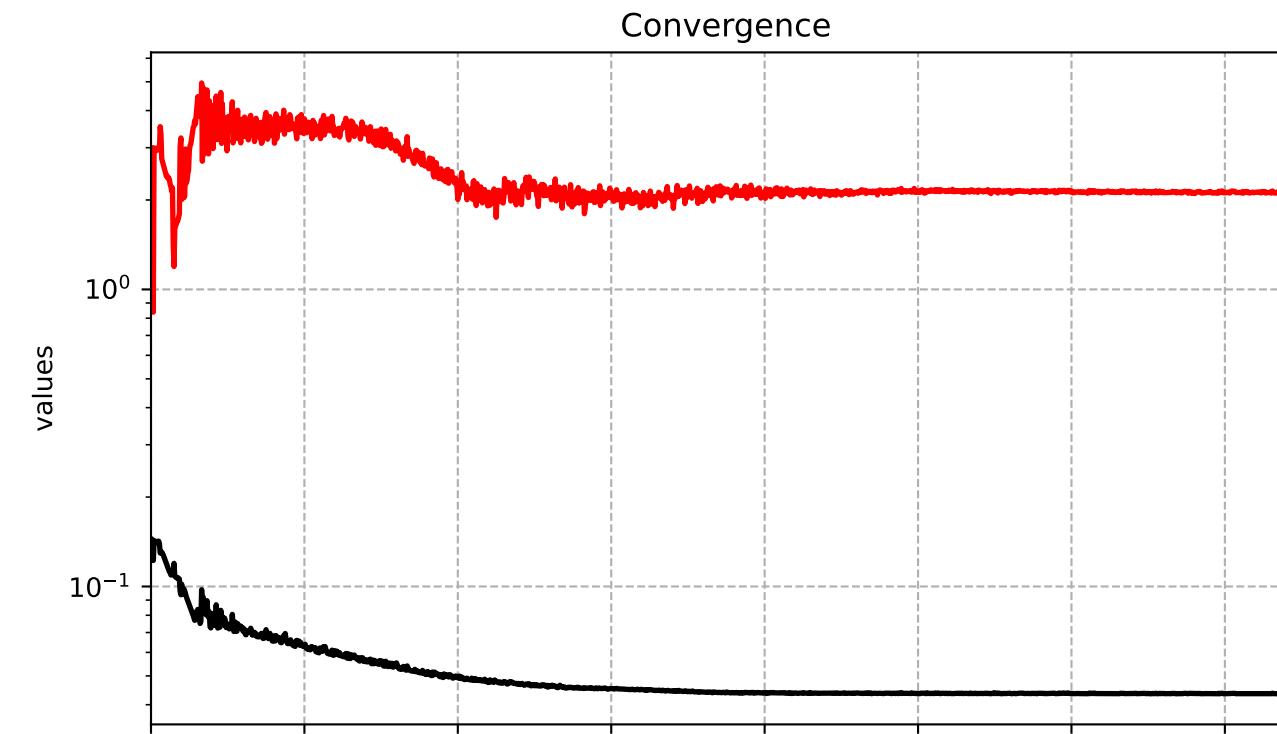
#0077 NAME: VKblade
 $\alpha_1 = -20.000^\circ$ $\alpha_2 = \text{KUTTA CONDITION}$
CHINL = 2.000 CHOUT = 2.000
PITCH = 1.089 $\beta = 30.210^\circ$
 $R_{LE} = 0.031$ $\zeta_{TE} = 0.025$



$RMSE = 2.206E - 02$
 $RMSE_{PS} = 2.450E - 02$ $RMSE_{SS} = 1.946E - 02$
 $\alpha_{2,target} = 65.00^\circ$ $\Delta\alpha_2 = 1.70^\circ$ $\alpha_{2,real} = 63.30^\circ$
 $M_{peak} = 1.4$ $L_{peak} = 0.5$
 $M_{LE} = 1.8$ $M_{press} = 0.8$

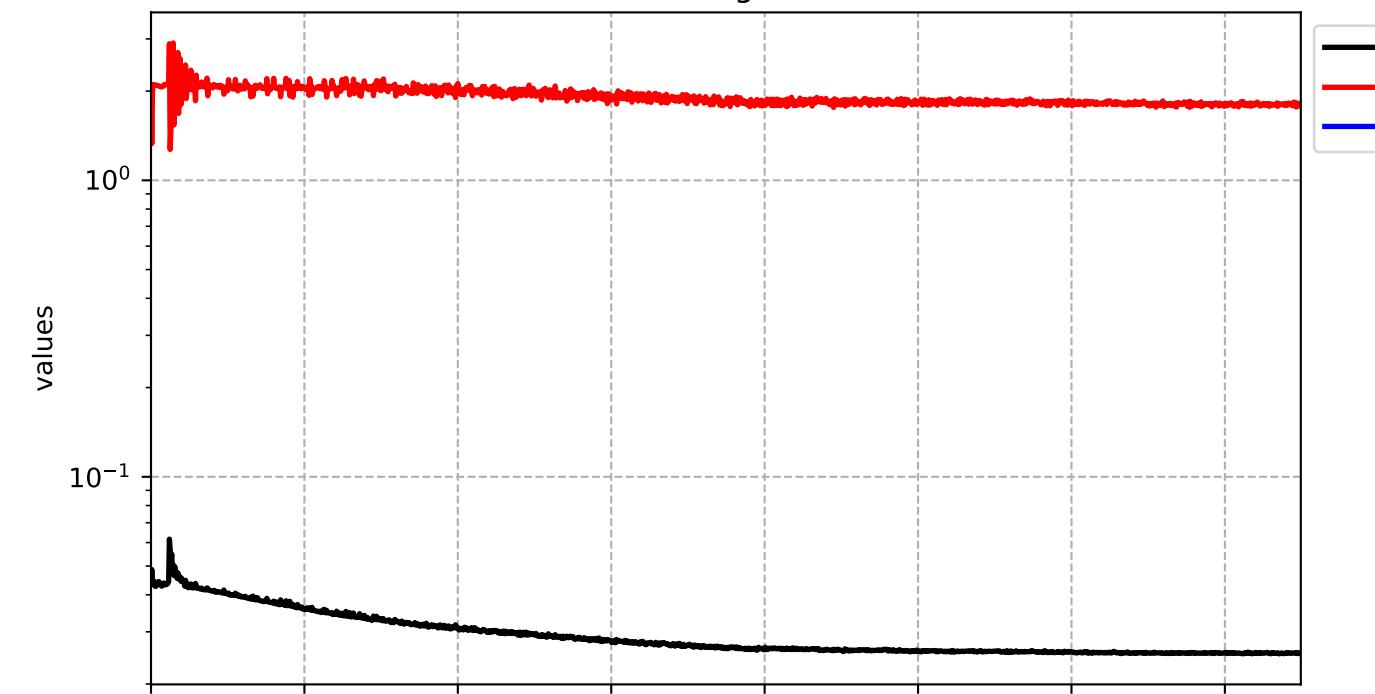


Optimization: 1
Method: Nelder-Mead

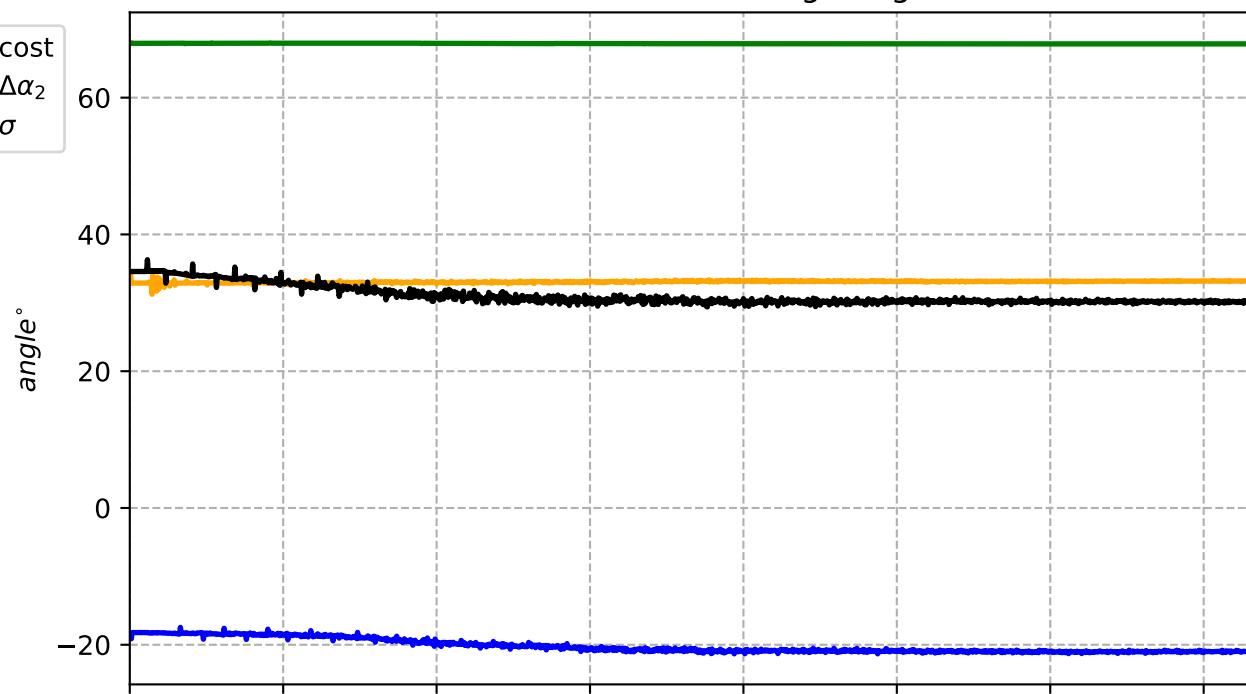


Optimization: 2
Method: Nelder-Mead

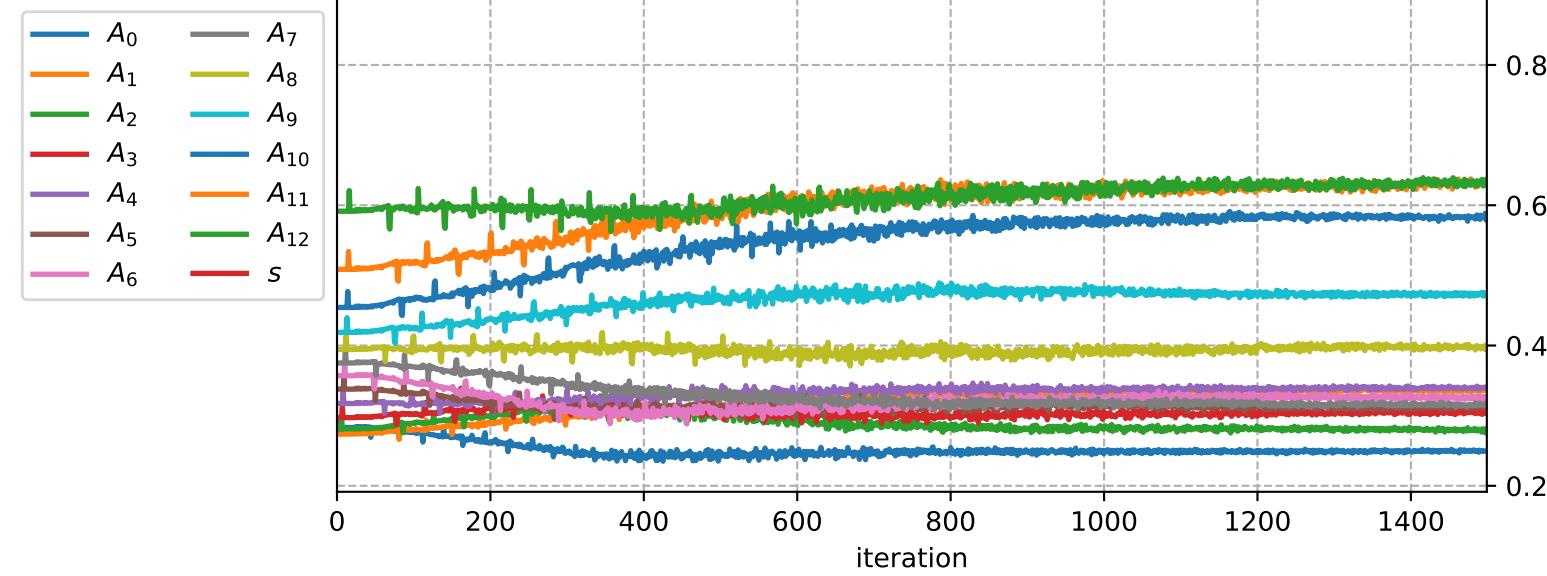
Convergence



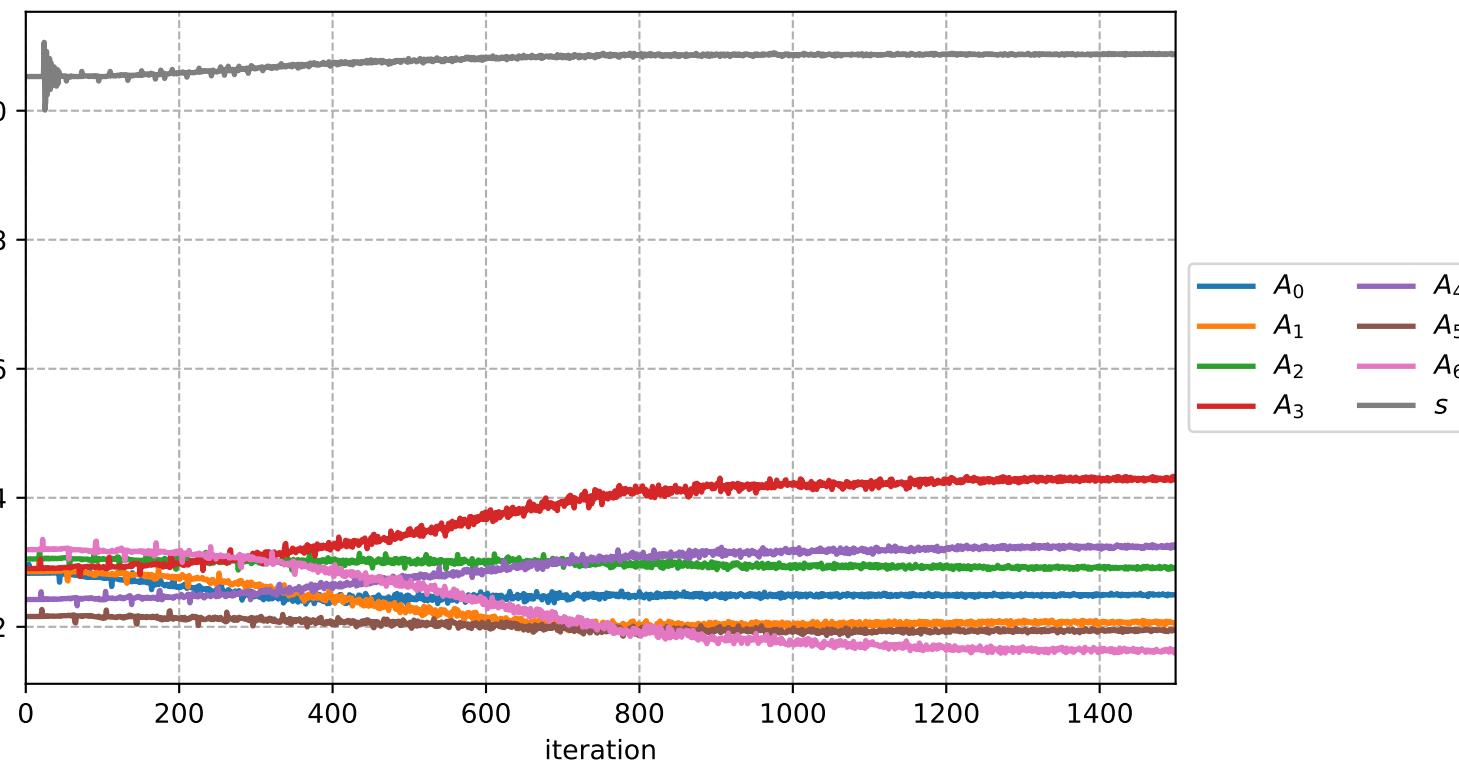
Camberline and wedge angle



Suction side

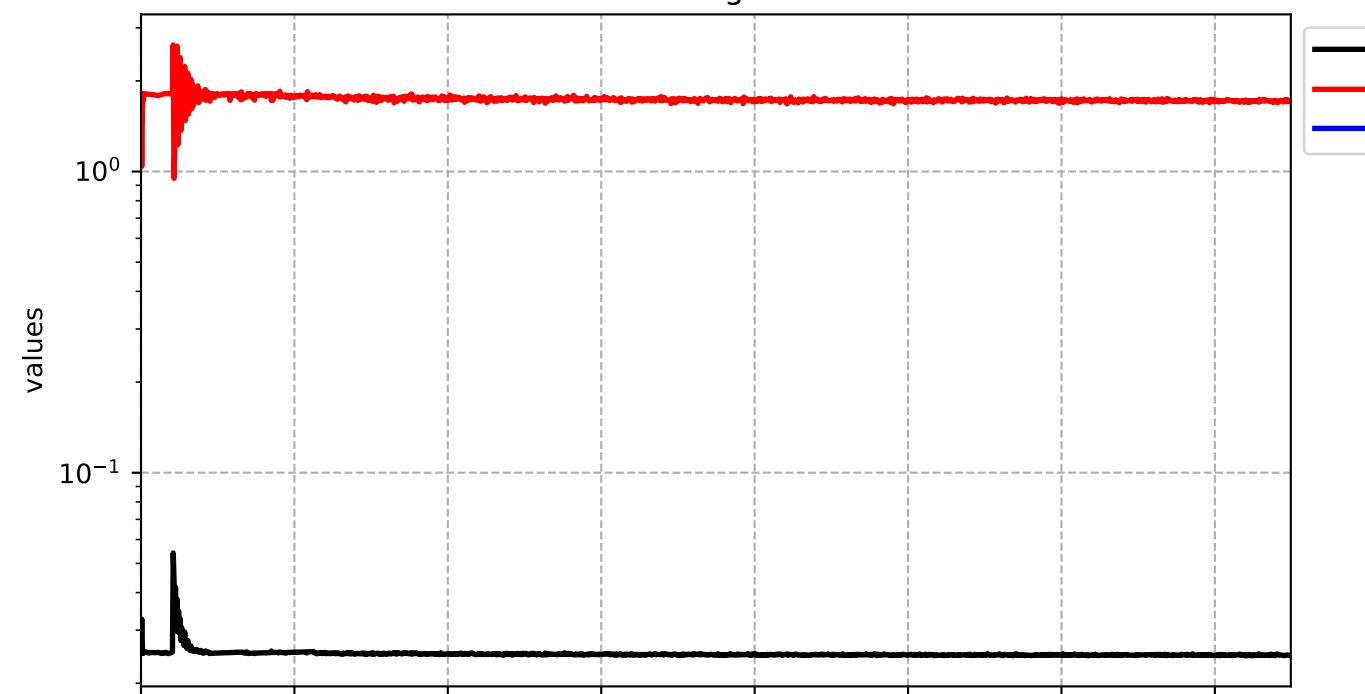


Pressure side

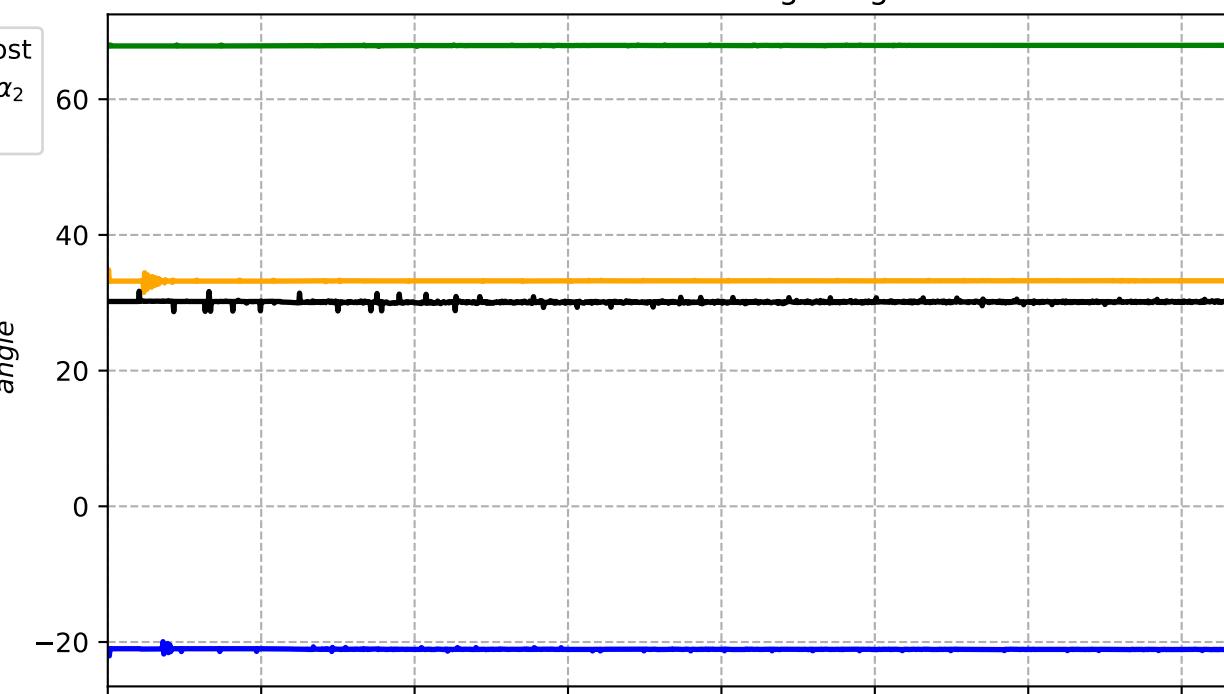


Optimization: 3
Method: Nelder-Mead

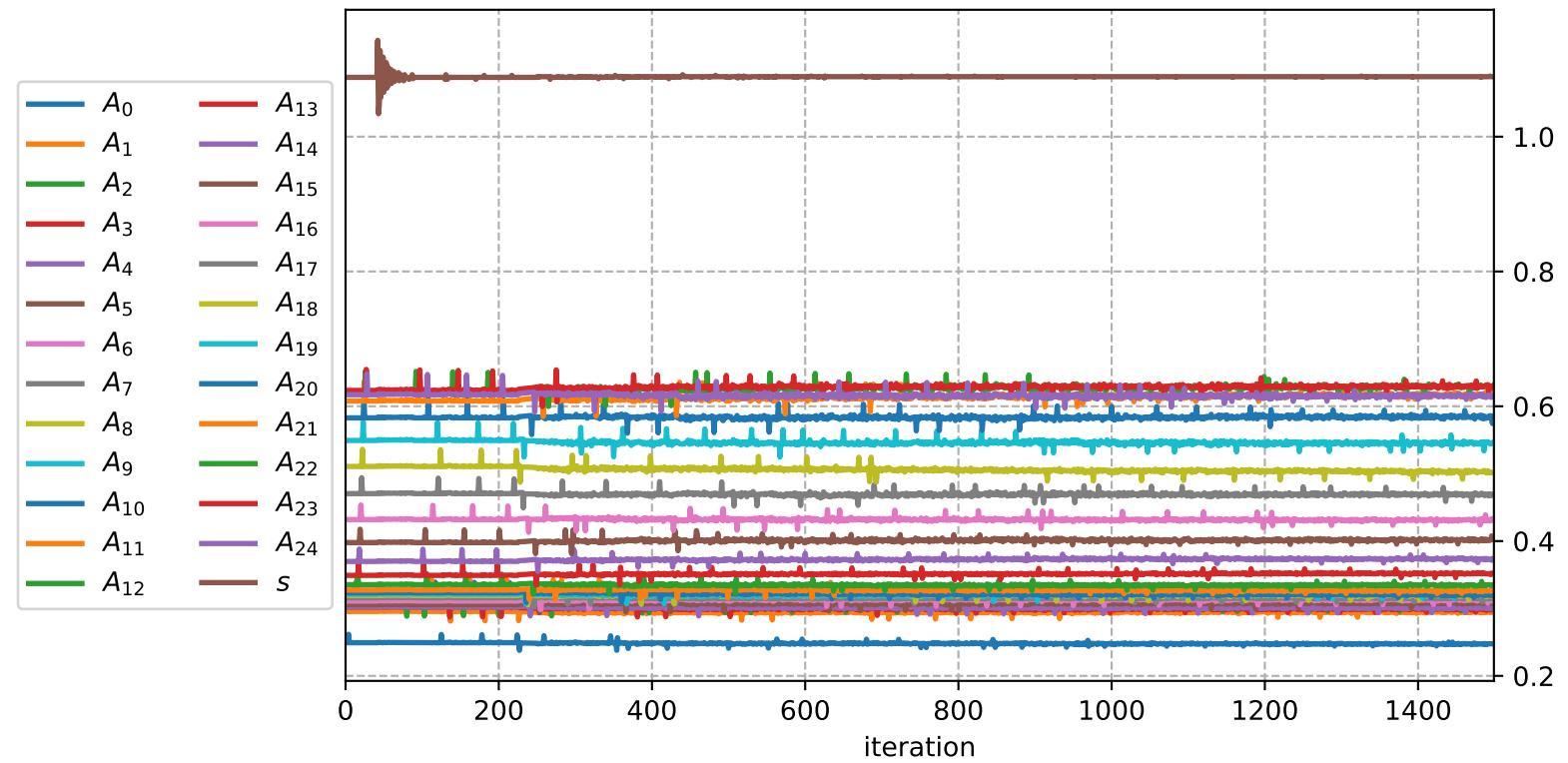
Convergence



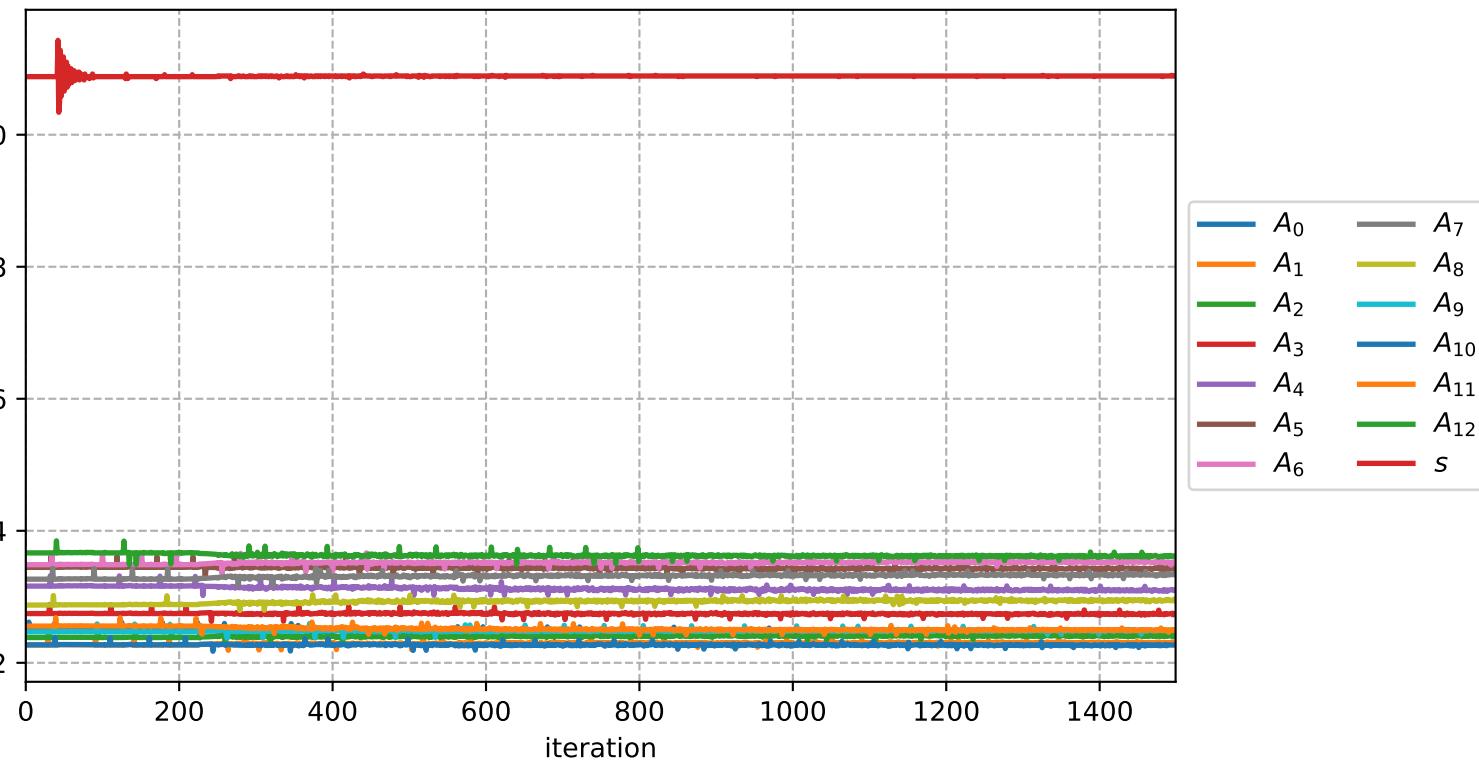
Camberline and wedge angle

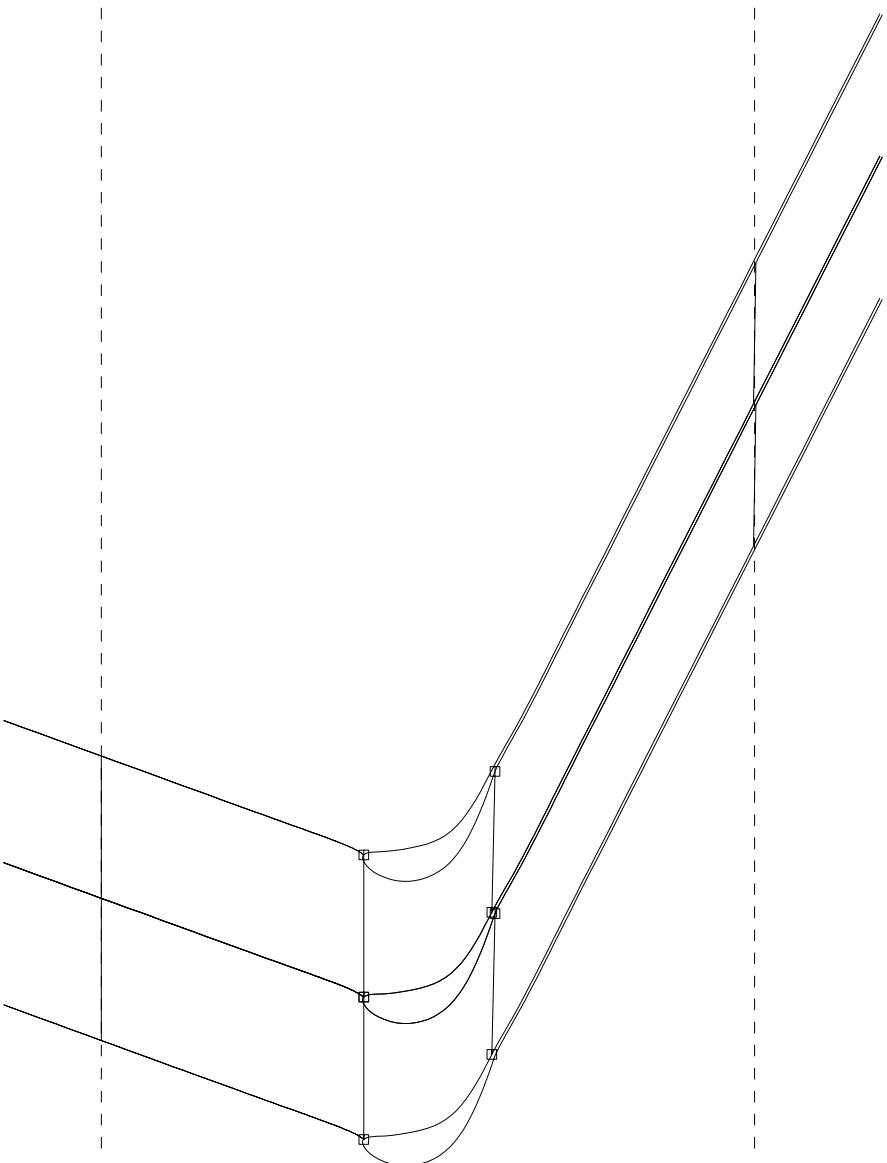


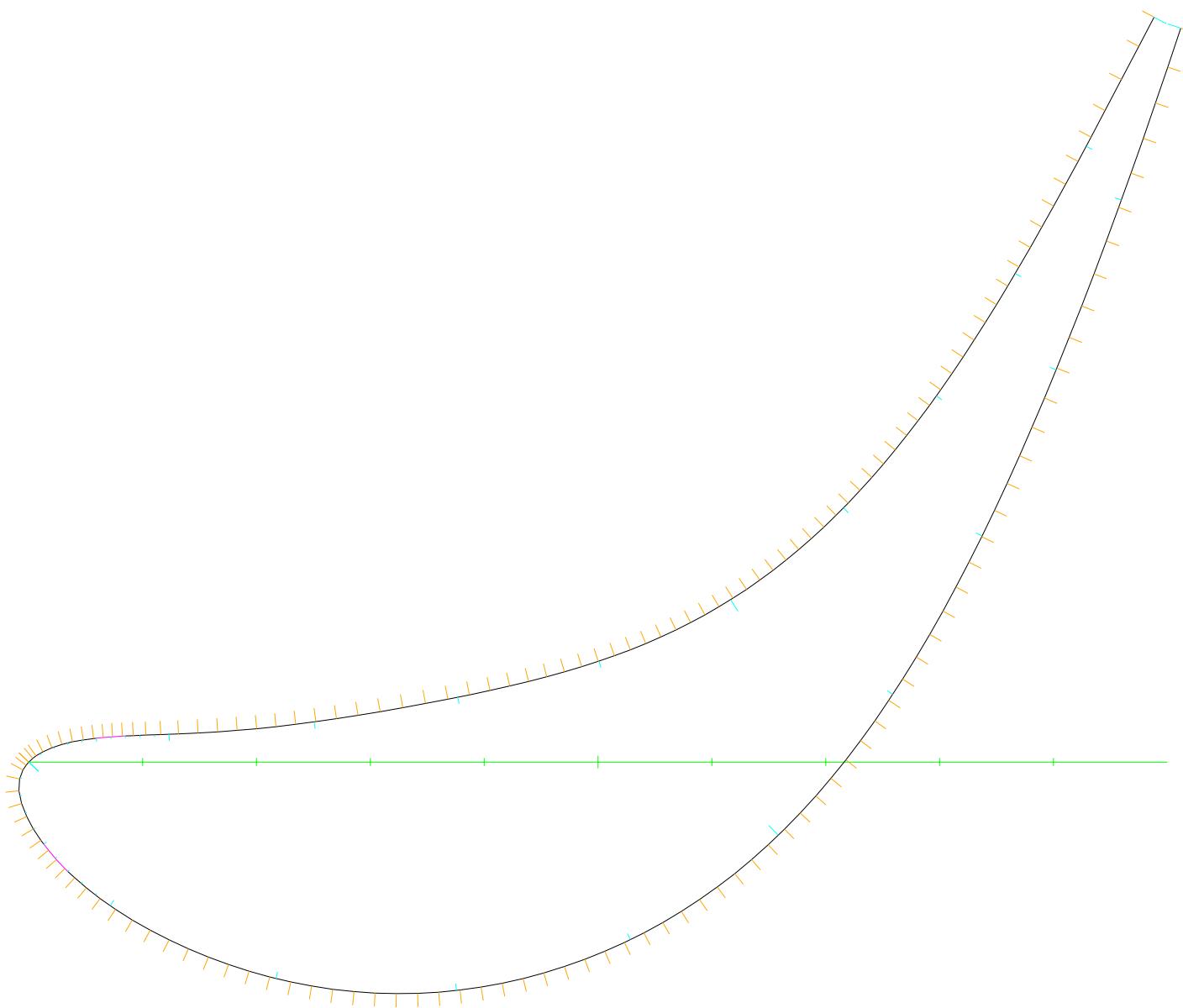
Suction side

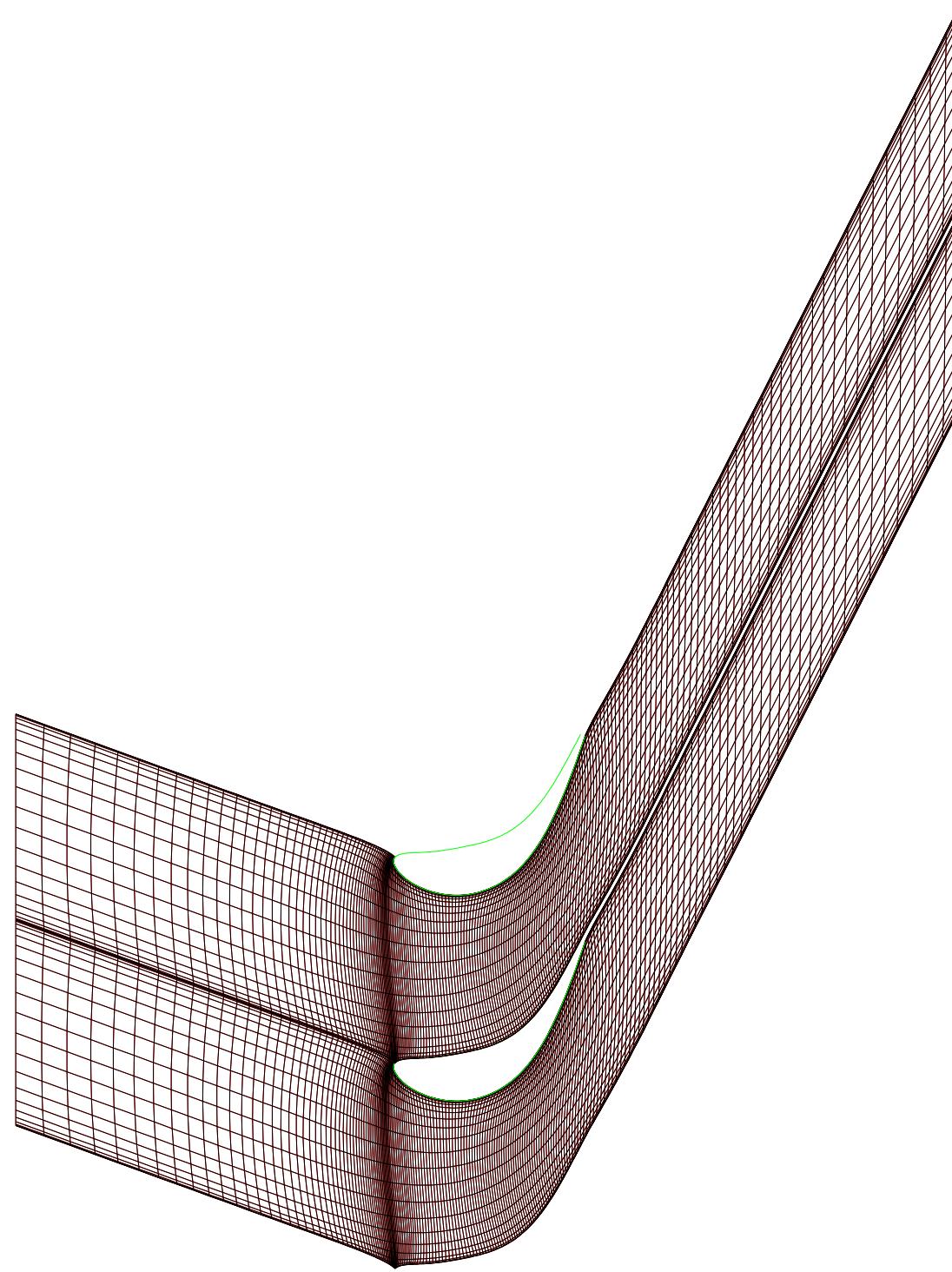


Pressure side



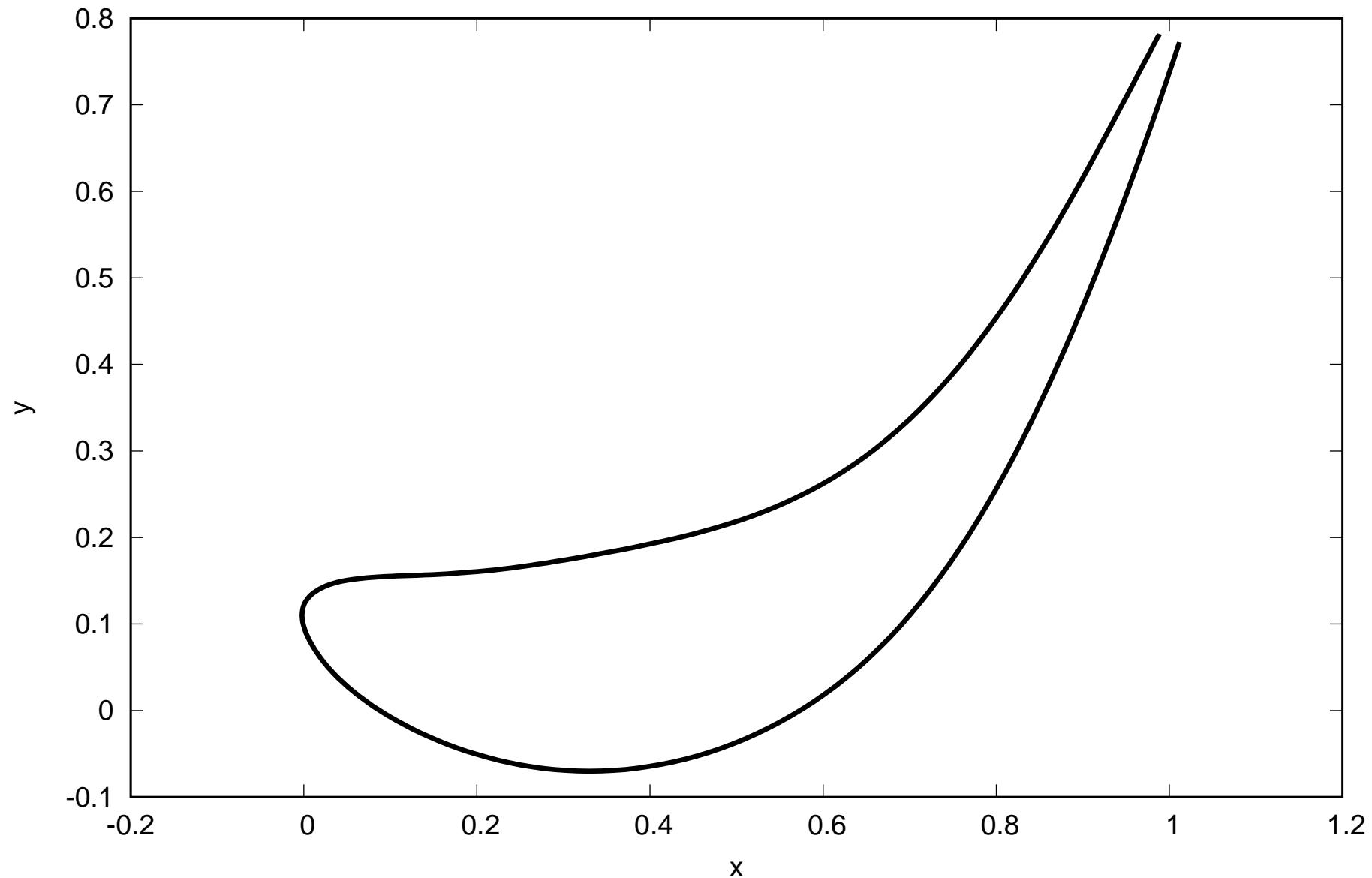






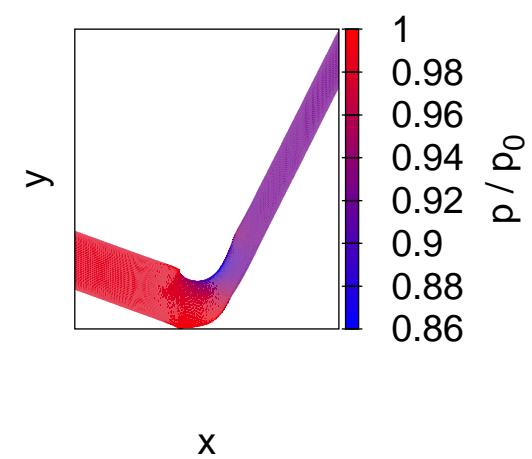
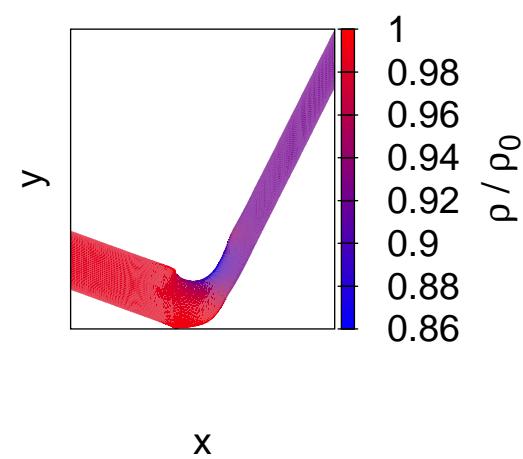
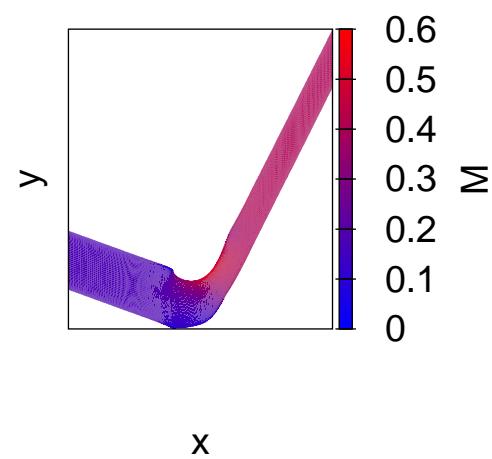
$\alpha_1 = -20.0^\circ \parallel \alpha_2 = 65.0^\circ \parallel M_2 = 0.4 \parallel s = 1.089 \parallel Re = 600000.0$

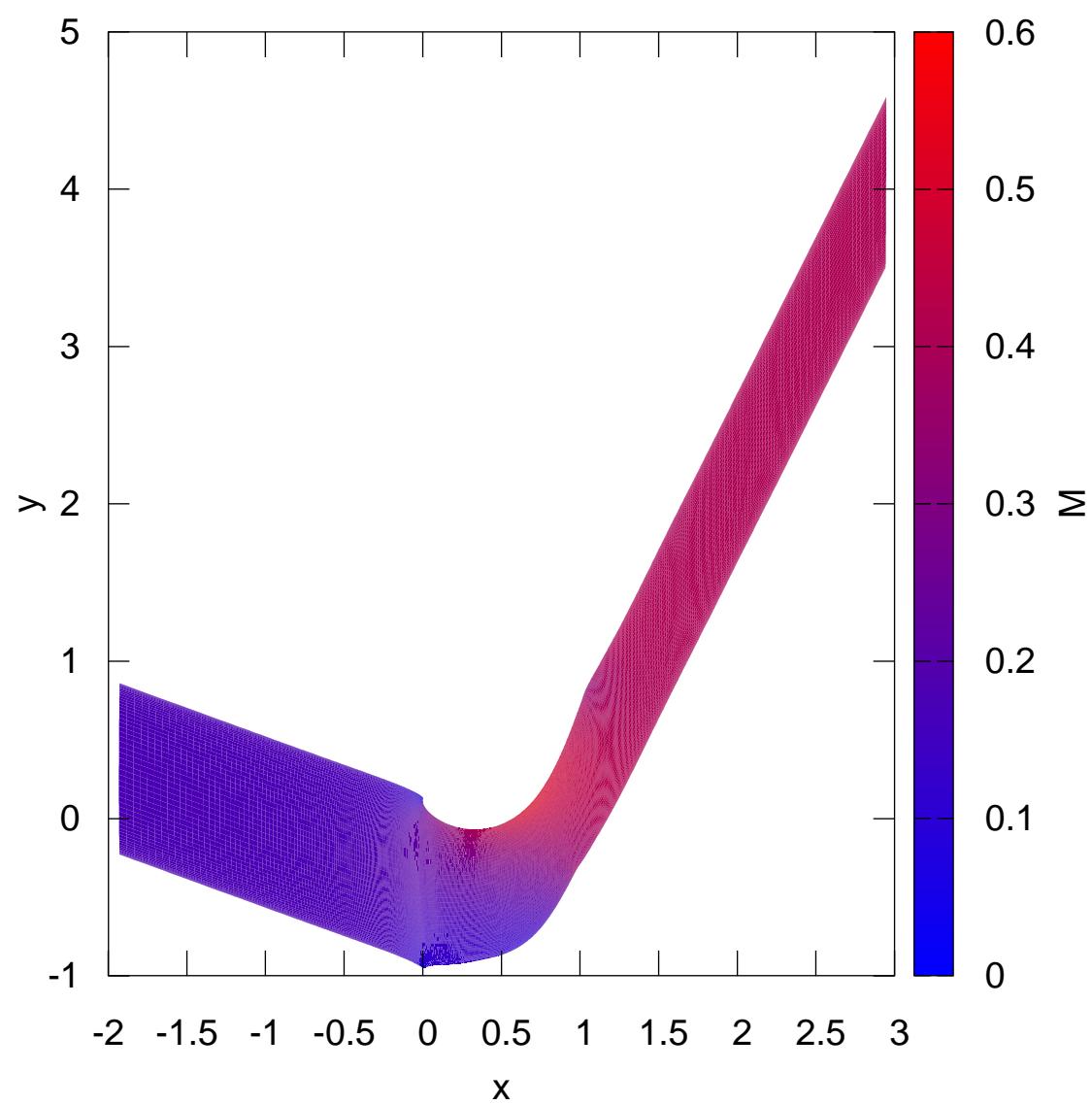
$M_{LE} = 1.8 \parallel M_{PEAK} = 1.4 \parallel L_{PEAK} = 0.5 \parallel M_{PRESS} = 0.8$

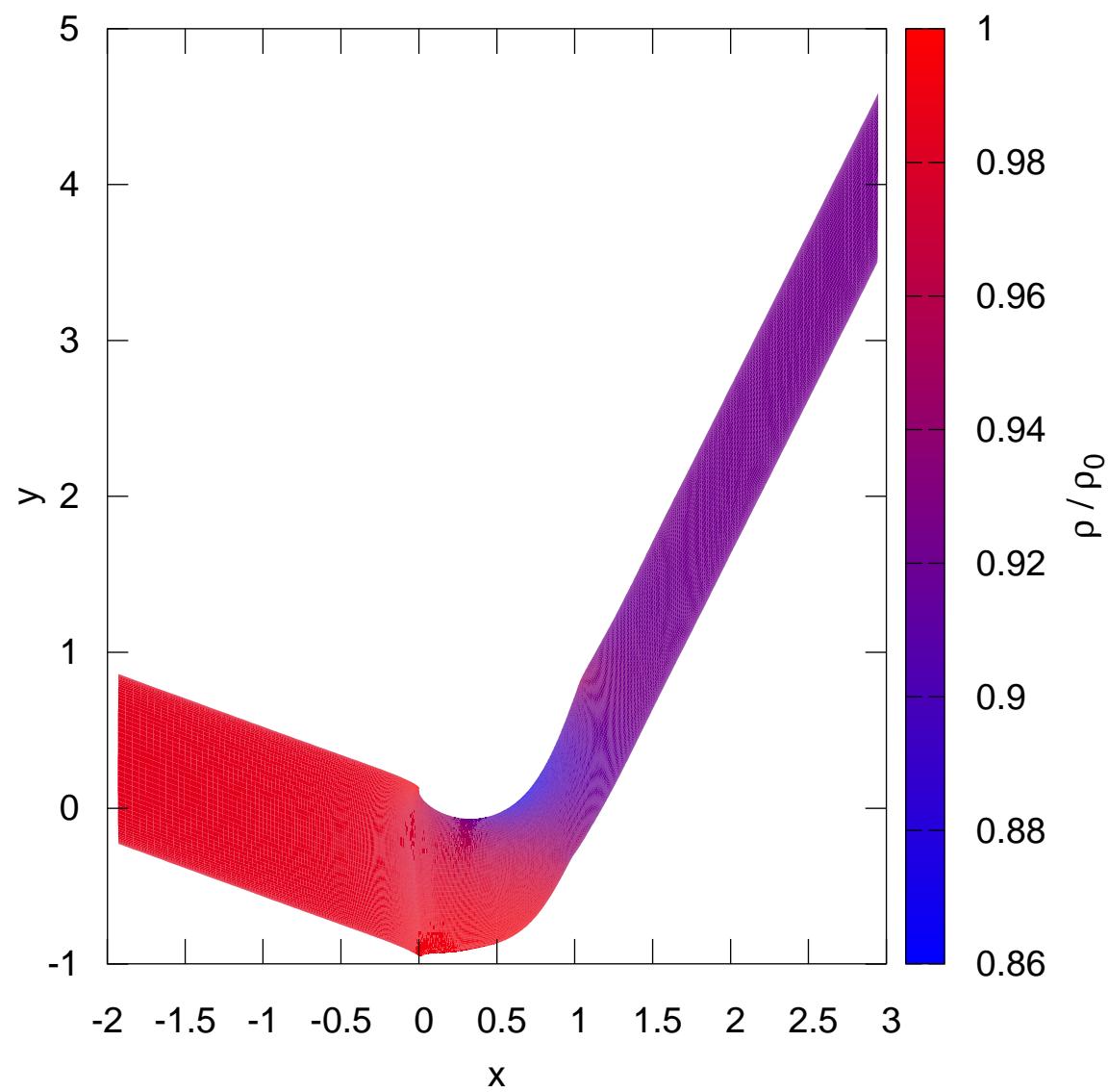


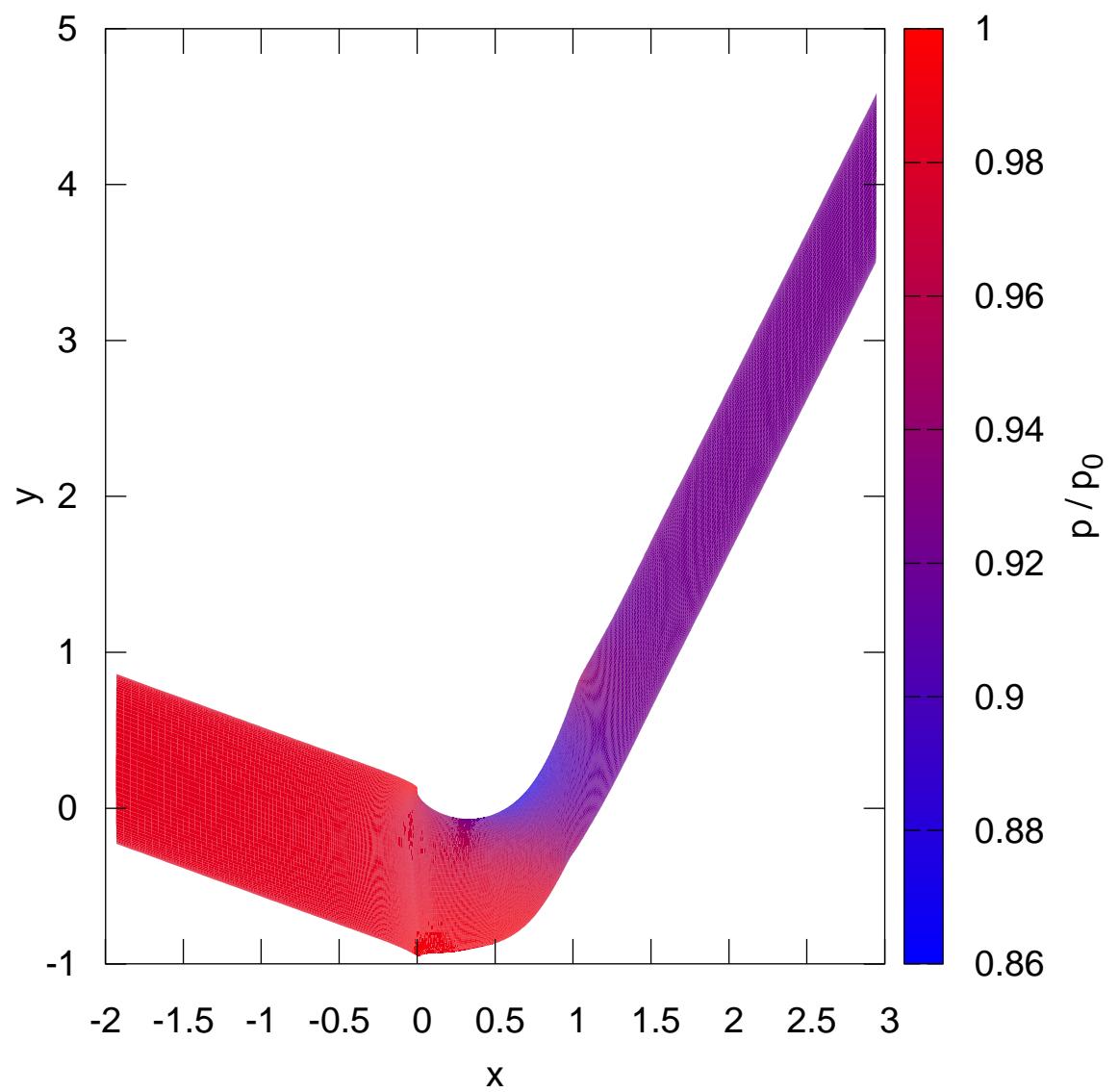
$$\alpha_1 = -20.0^\circ \parallel \alpha_2 = 65.0^\circ \parallel M_2 = 0.4 \parallel s = 1.089 \parallel Re = 600000.0$$

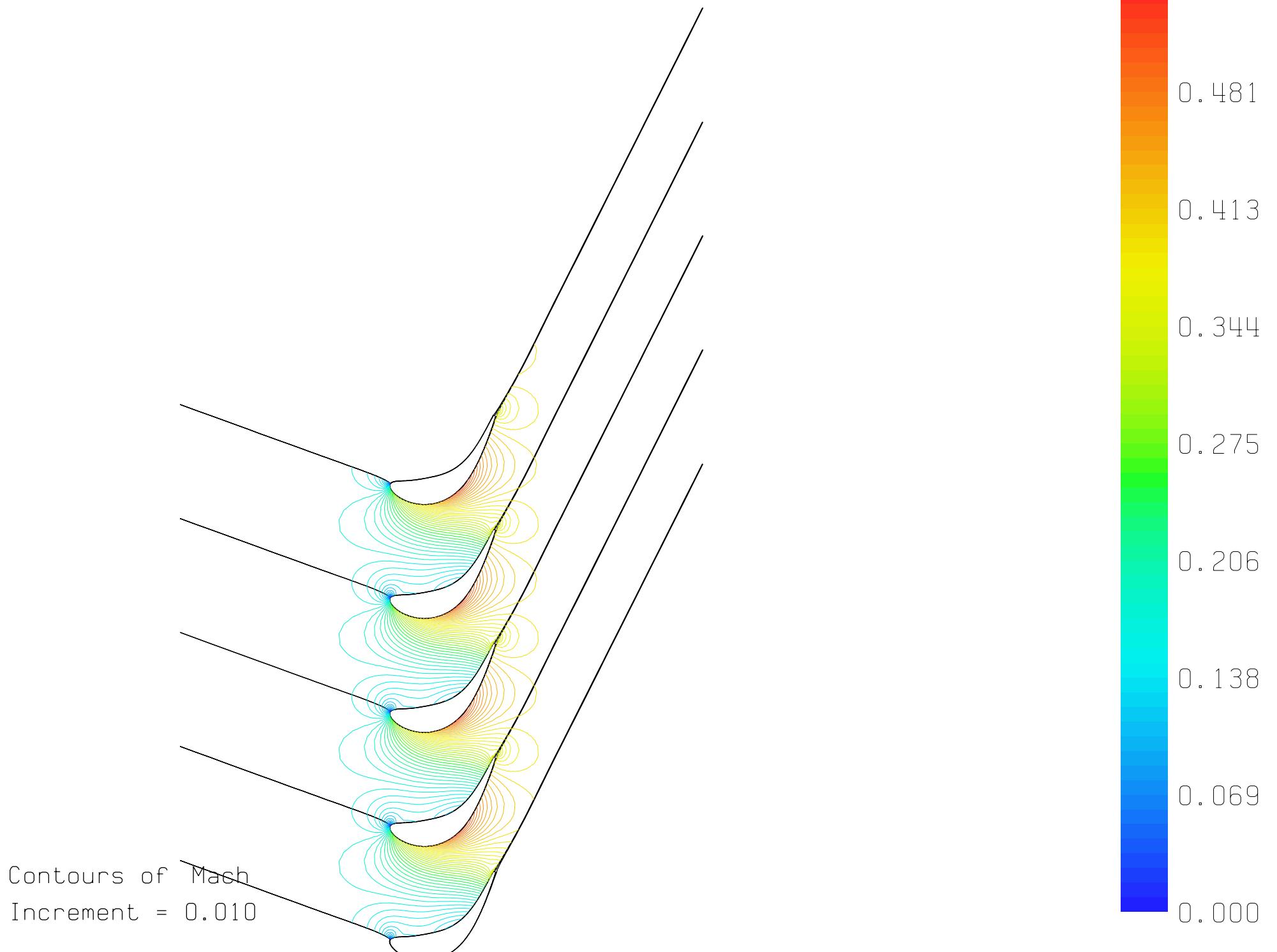
$$M_{LE} = 1.8 \parallel M_{PEAK} = 1.4 \parallel L_{PEAK} = 0.5 \parallel M_{PRESS} = 0.8$$

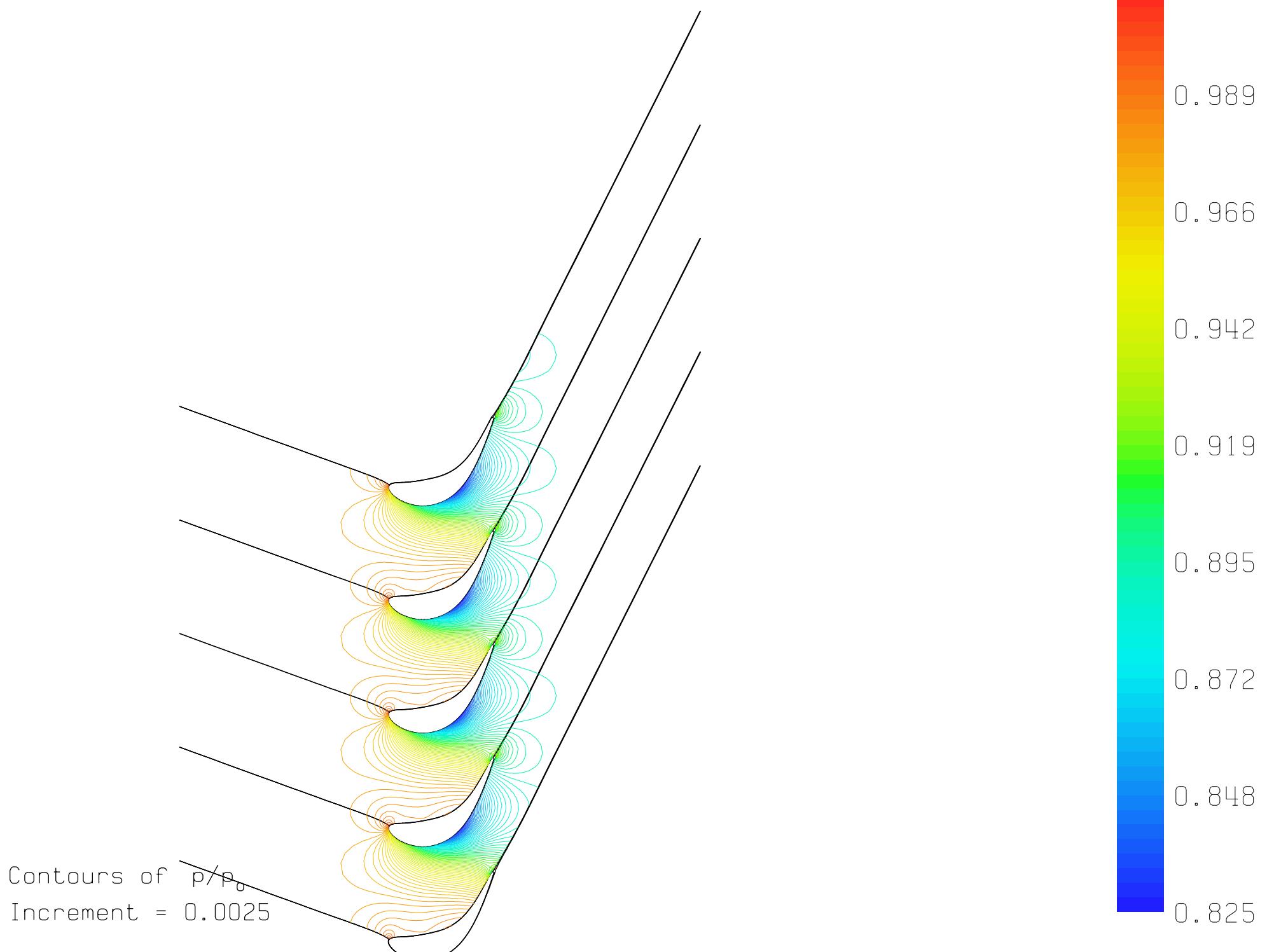


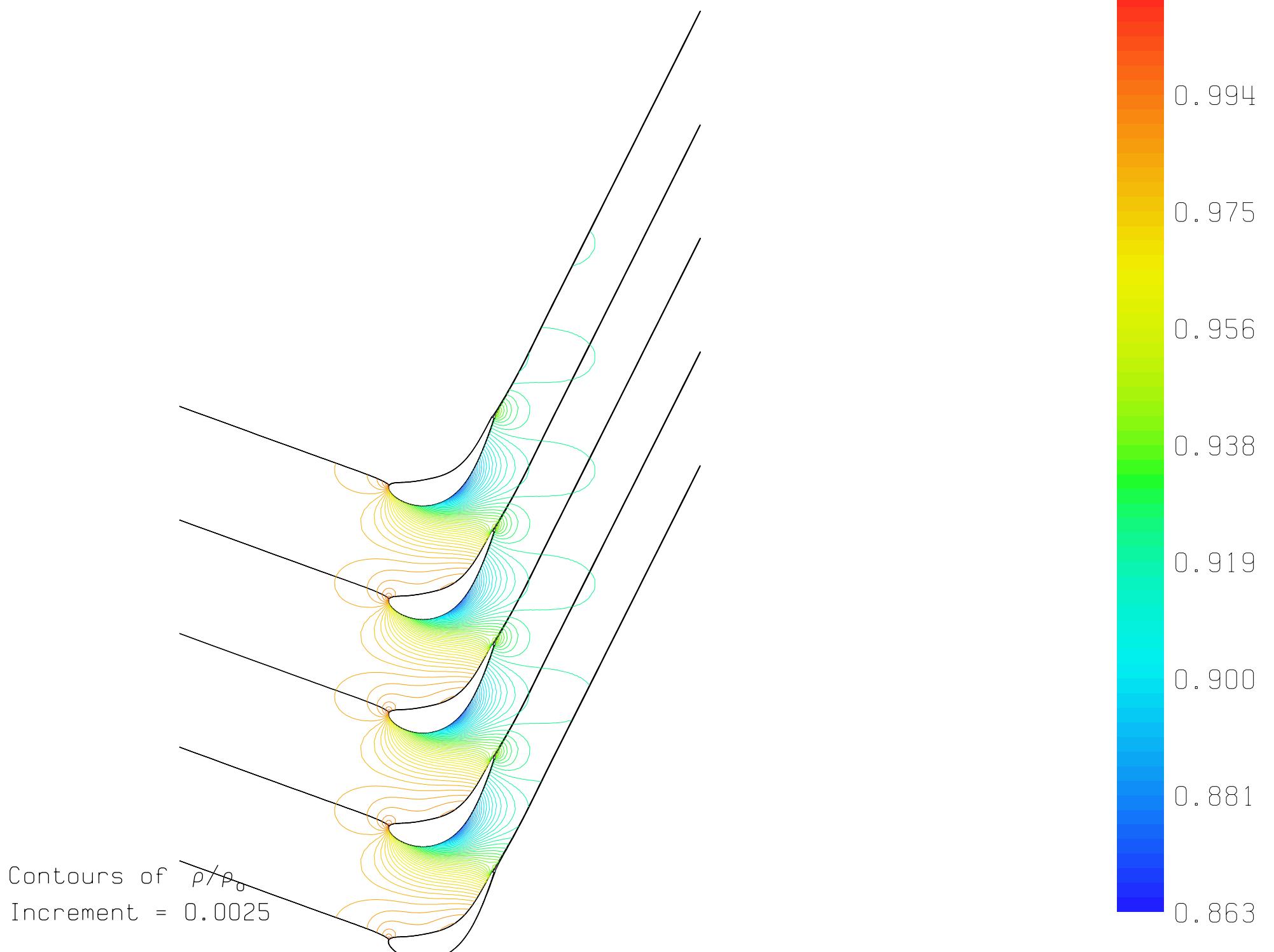


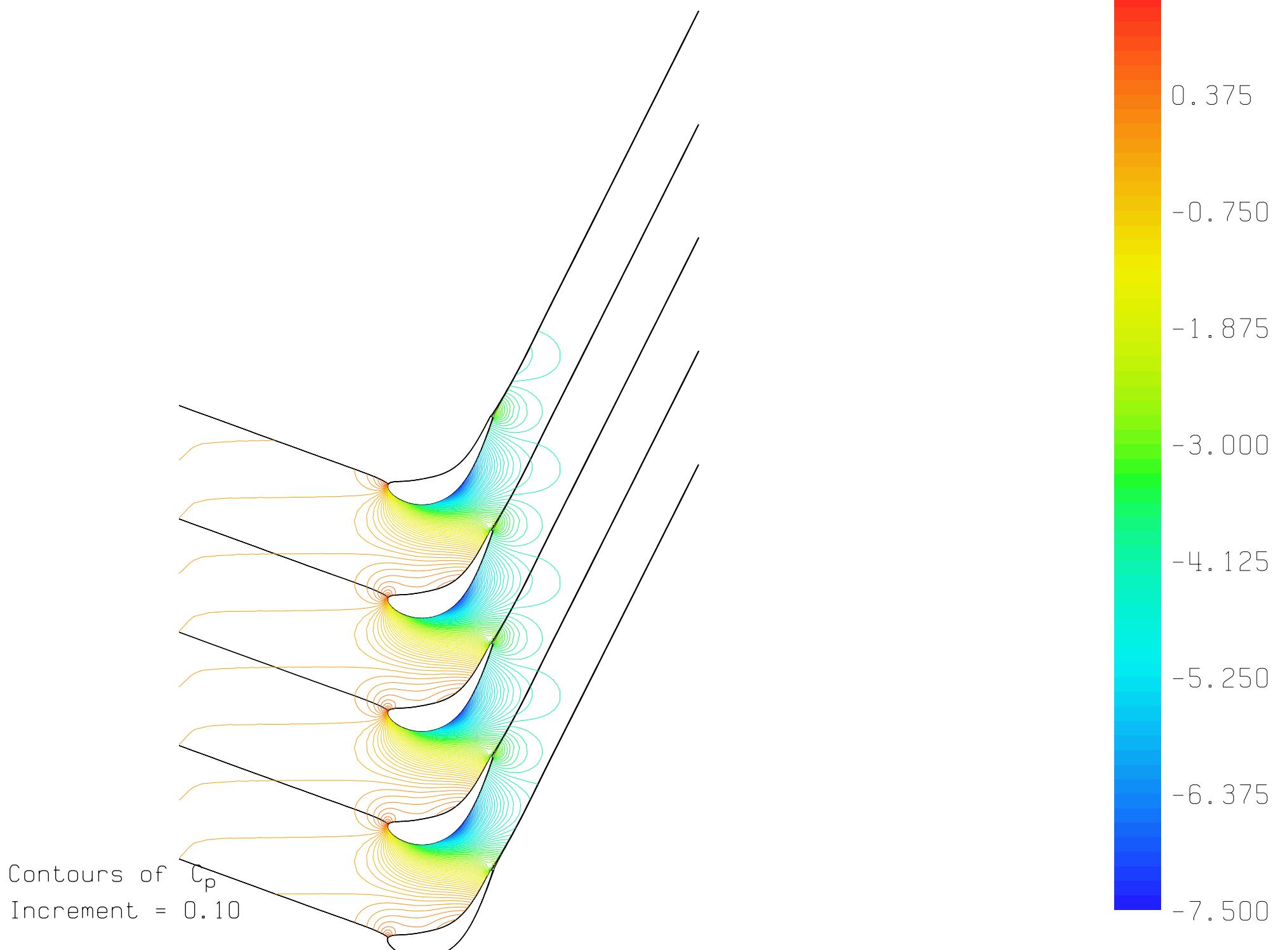




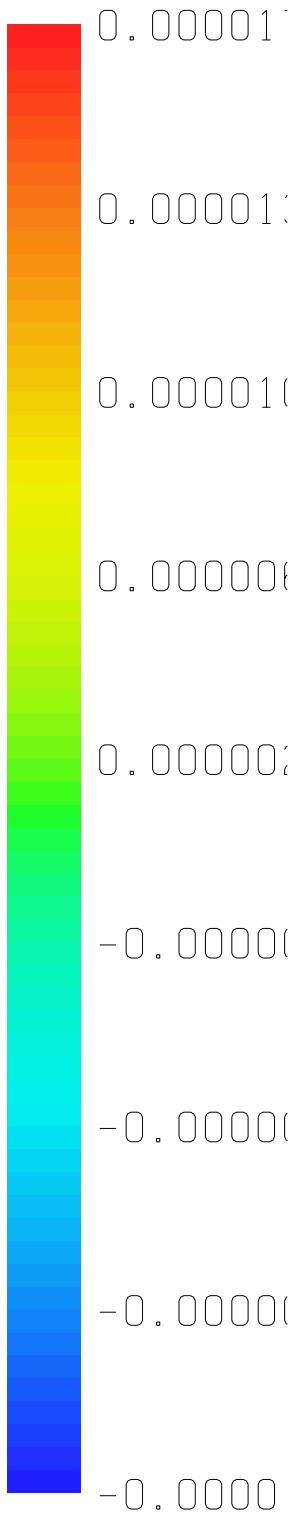
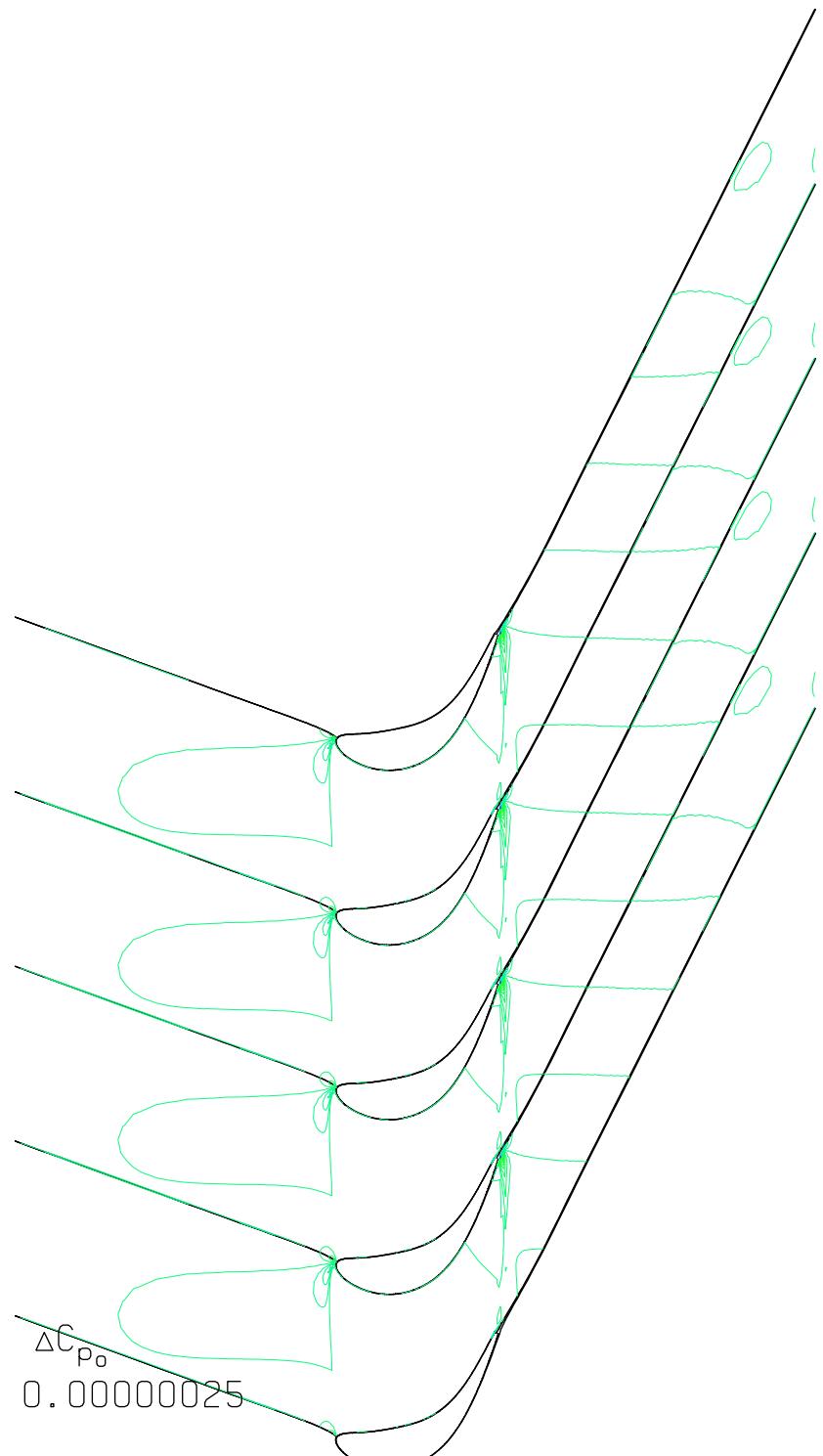








Contours of ΔC_{p_0}
Increment = 0.00000025



Contours of $\Delta p_o / p_o$
Increment = 0.000000010

