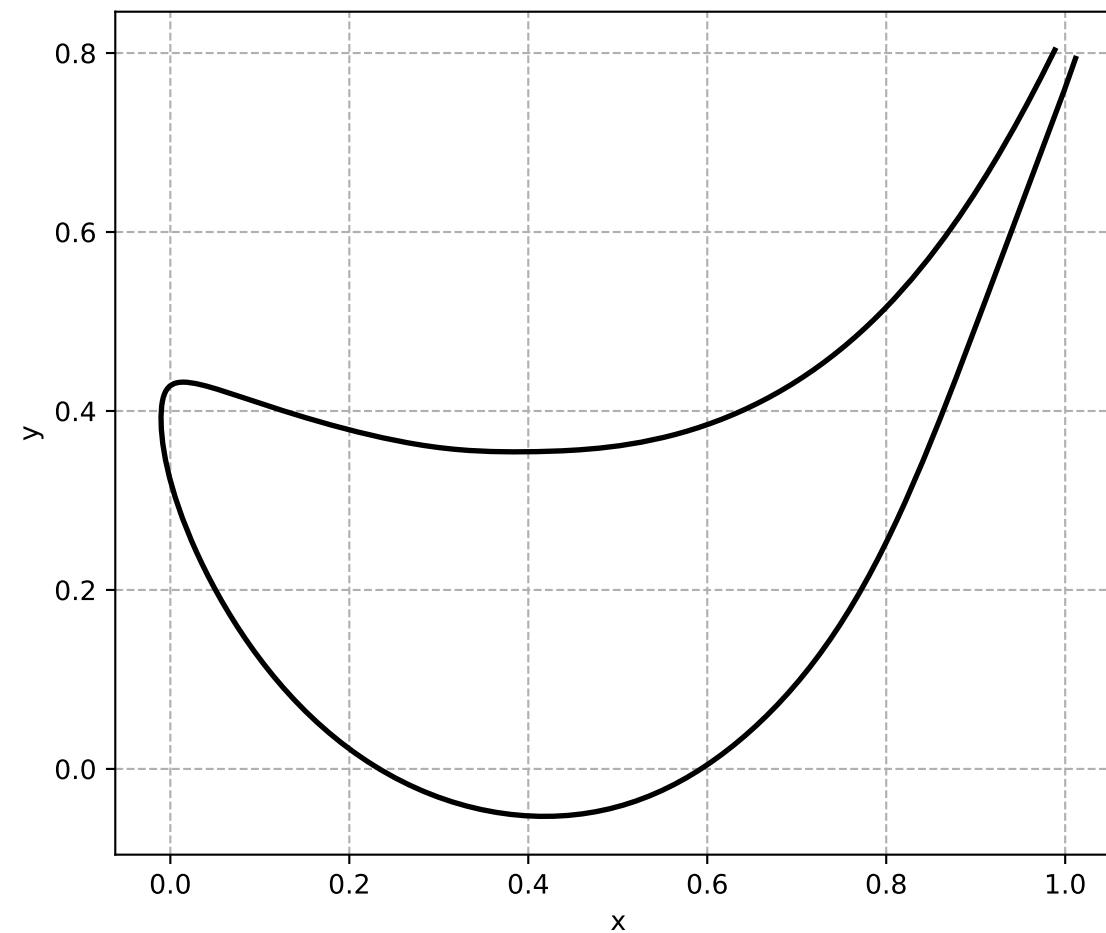
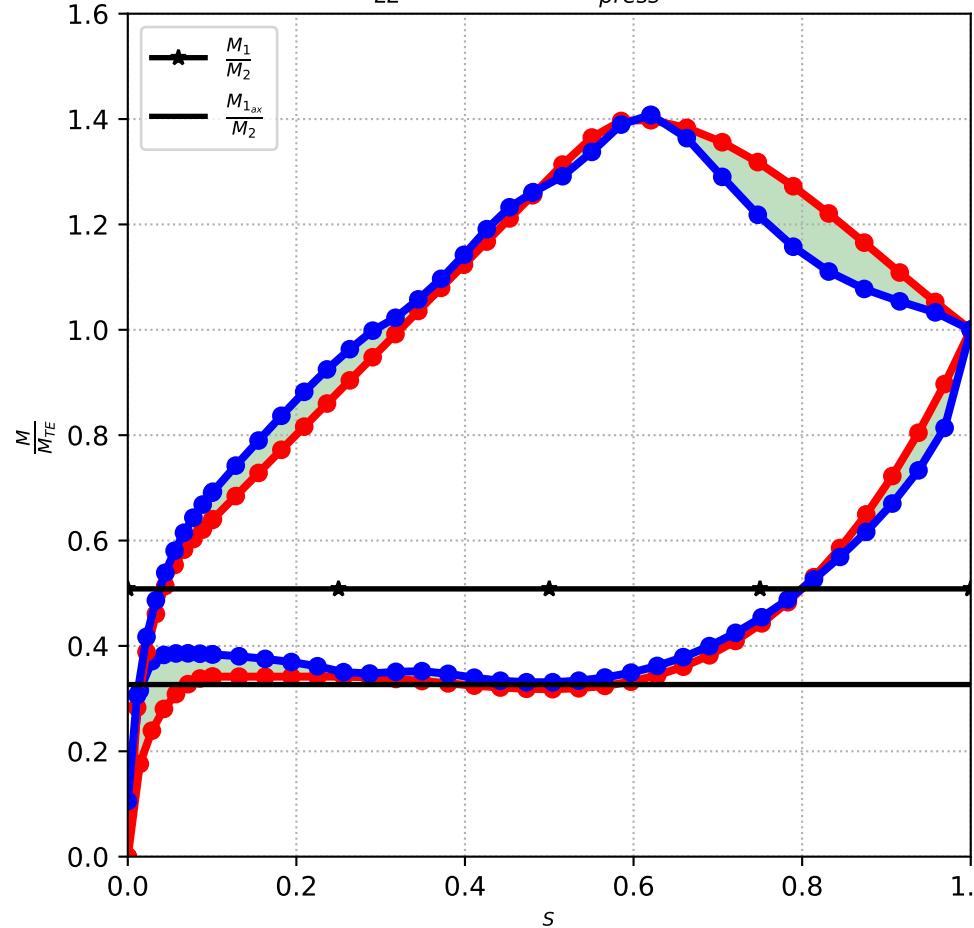


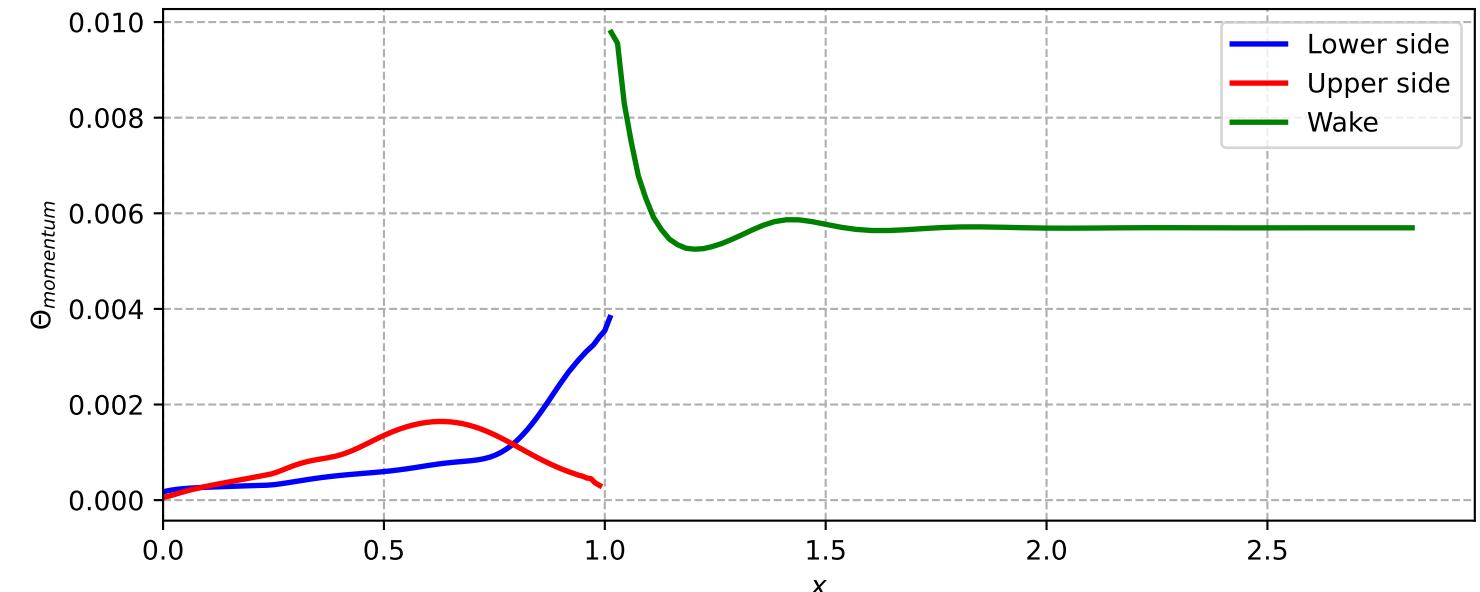
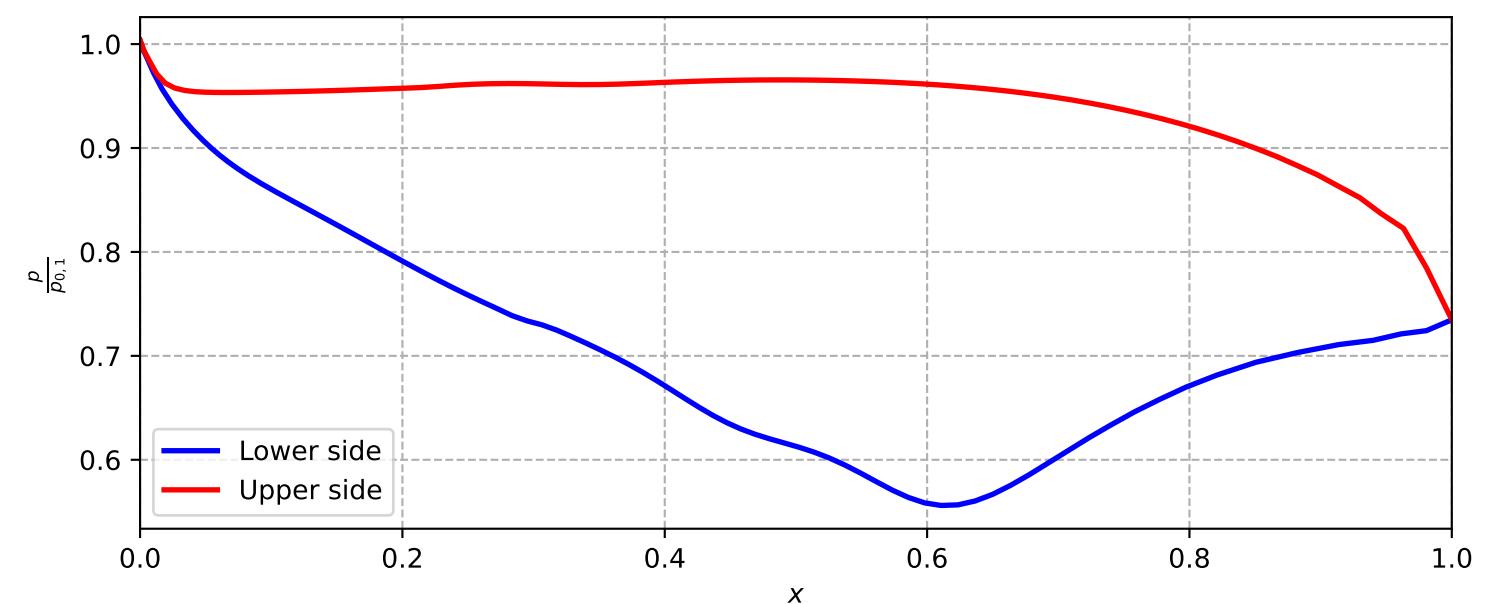
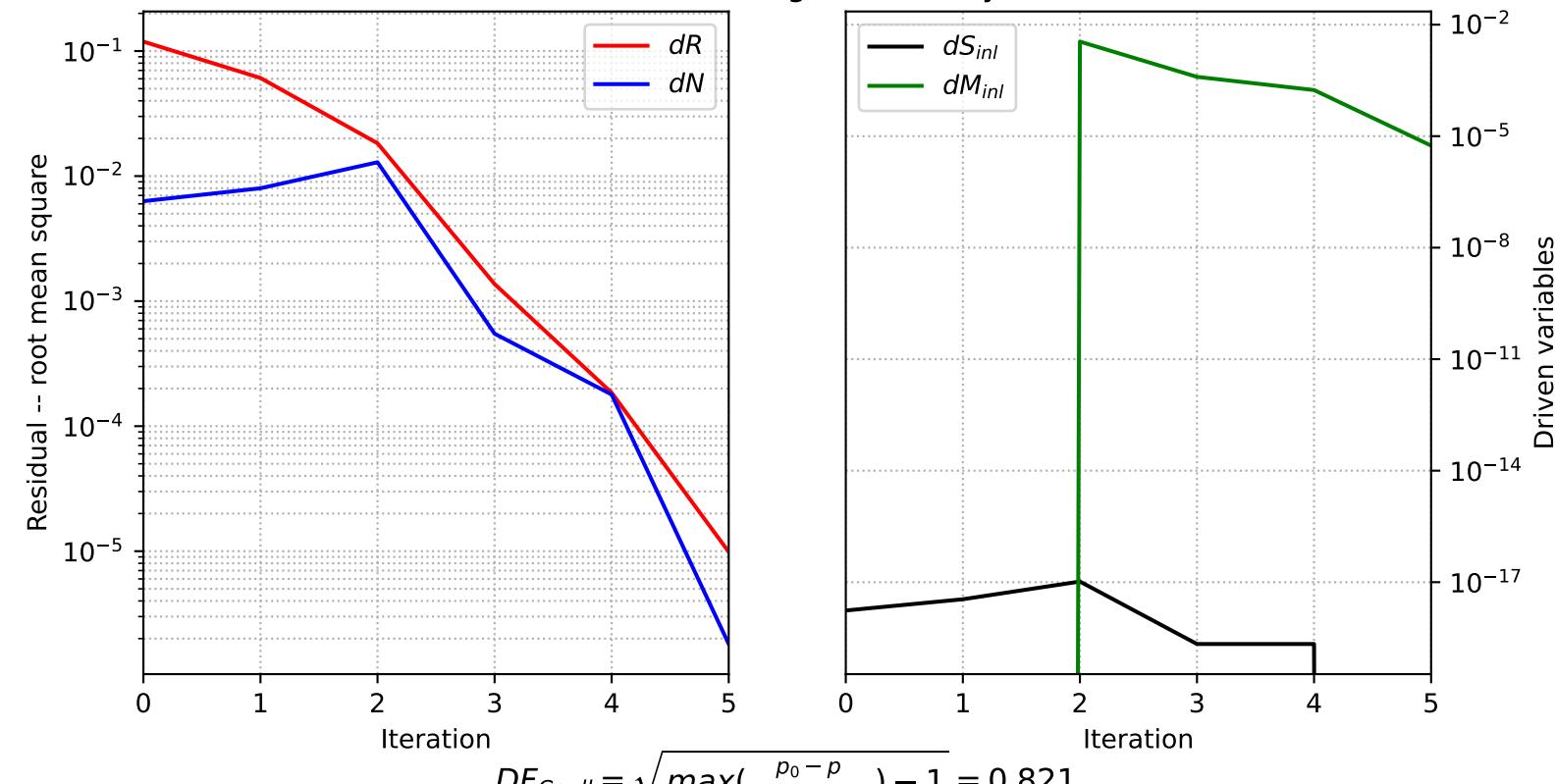
#0024 NAME: VKIblade
 $\alpha_1 = -50.000^\circ$ $\alpha_2 = \text{KUTTA CONDITION}$
 CHINL = 2.000 CHOUT = 2.000
 PITCH = 0.991 $\beta = 23.770^\circ$
 $R_{LE} = 0.027$ $\zeta_{TE} = 0.025$



$RMSE = 5.113E - 02$
 $RMSE_{PS} = 5.063E - 02$ $RMSE_{SS} = 5.160E - 02$
 $\alpha_{2,target} = 65.00^\circ$ $\Delta\alpha_2 = 1.09^\circ$ $\alpha_{2,real} = 66.09^\circ$
 $M_{peak} = 1.4$ $L_{peak} = 0.6$
 $M_{LE} = 1.2$ $M_{press} = 1.0$

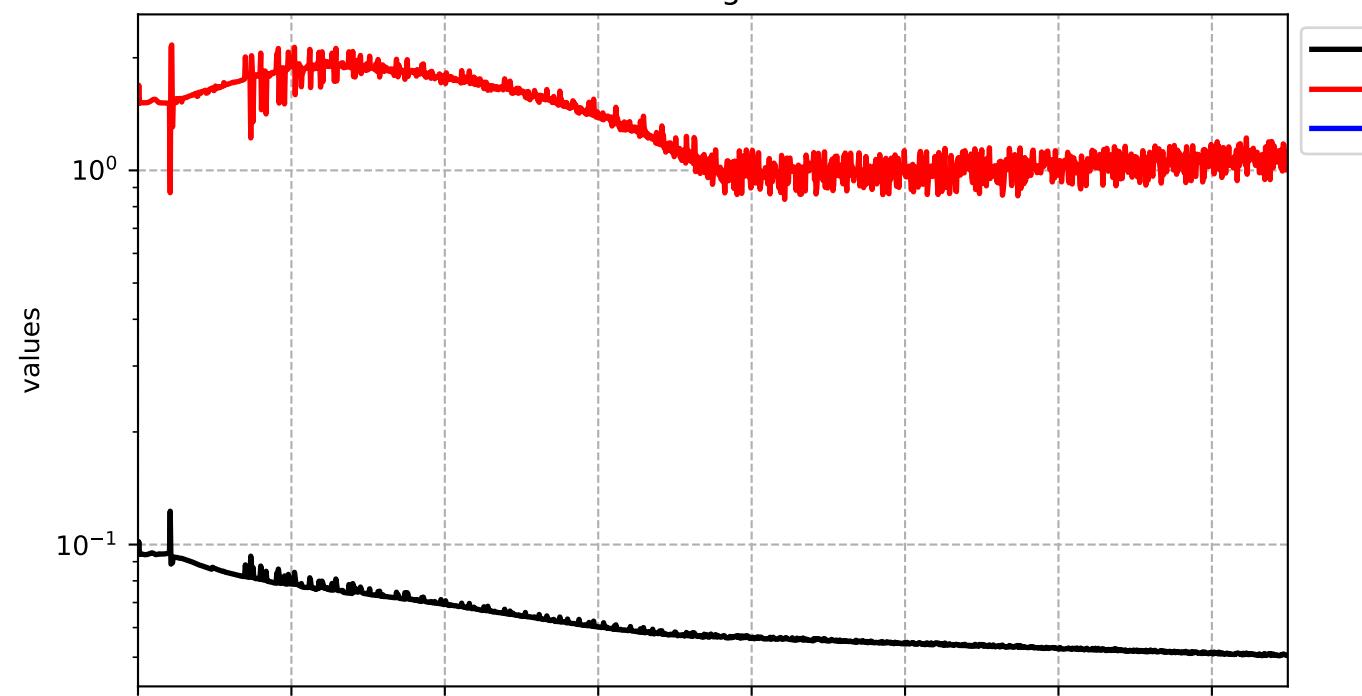


MISES convergence history

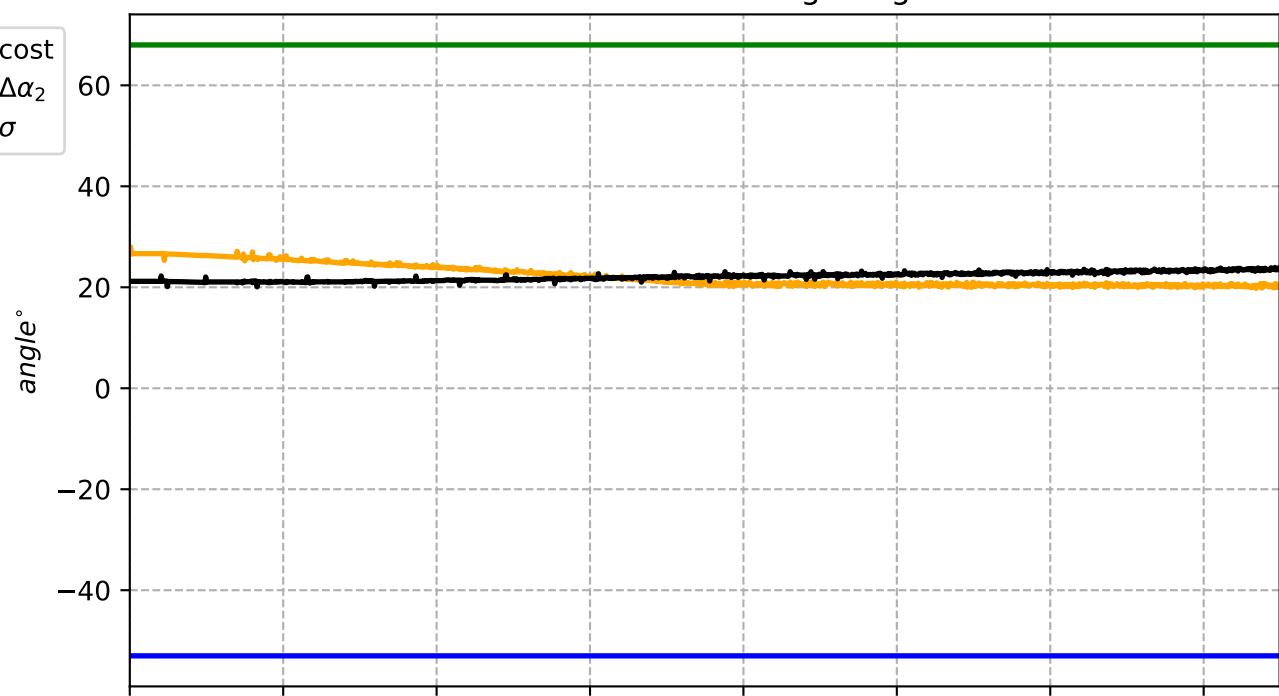


Optimization: 1
Method: Nelder-Mead

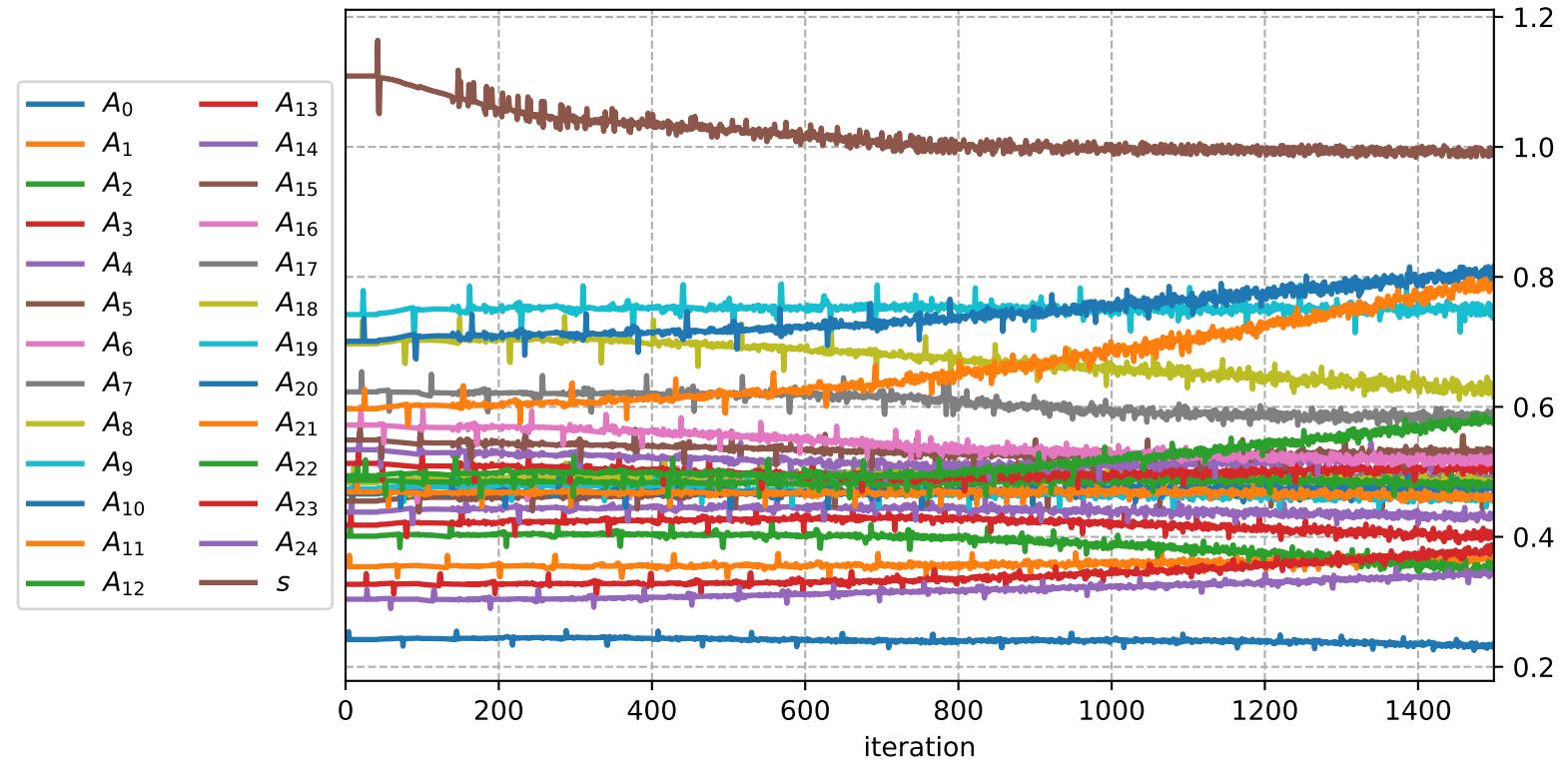
Convergence



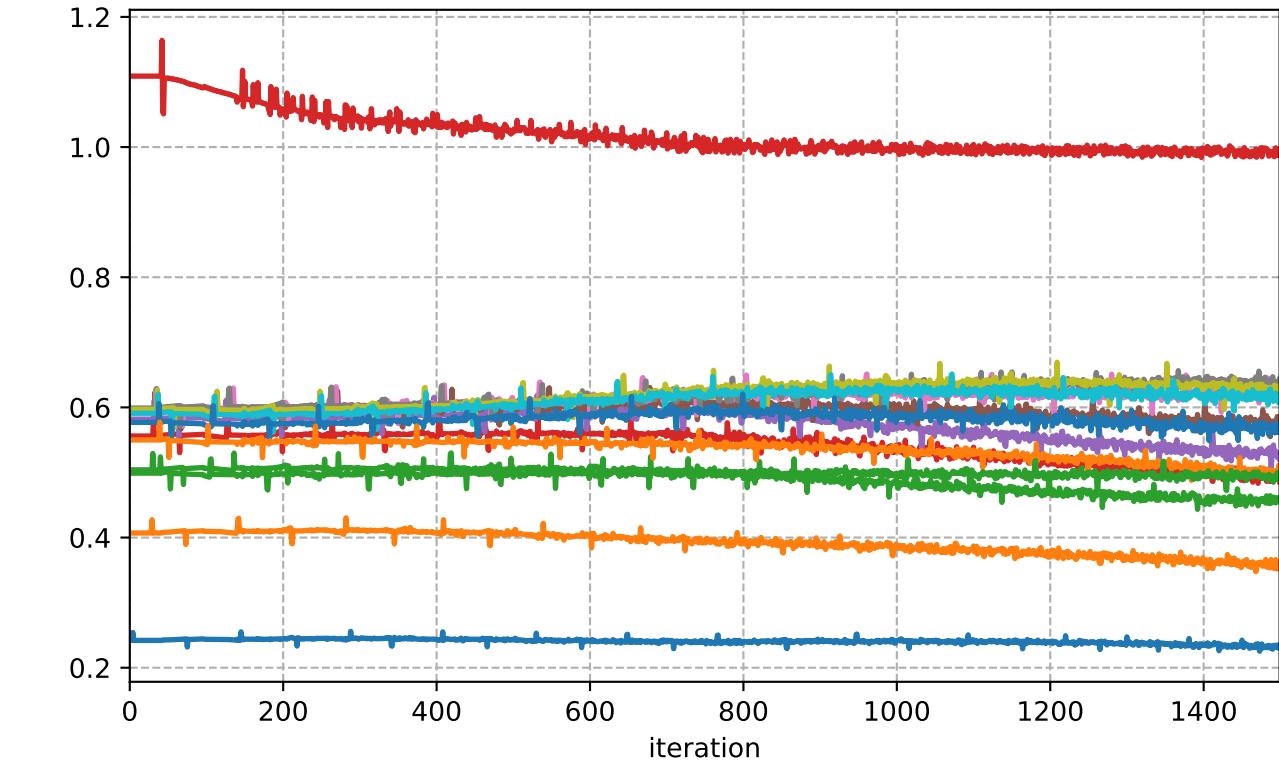
Camberline and wedge angle

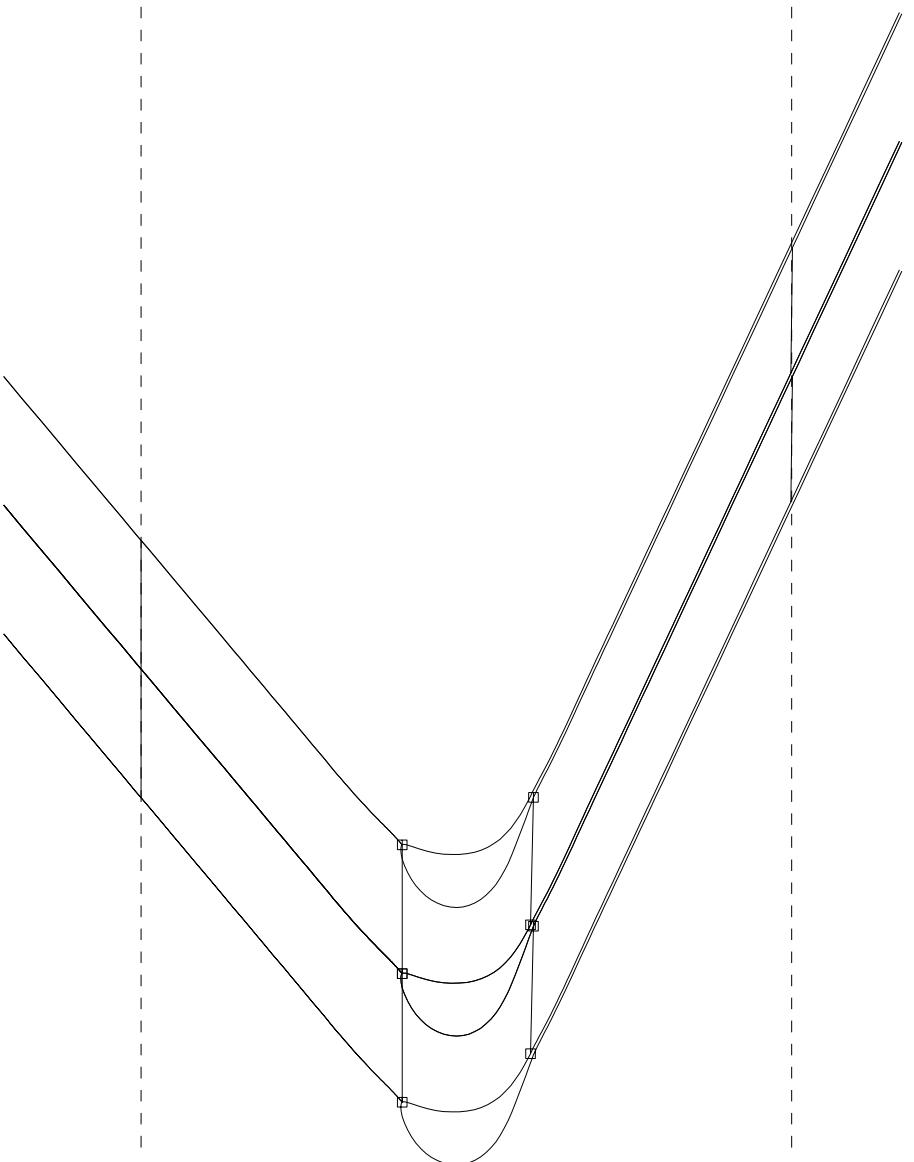


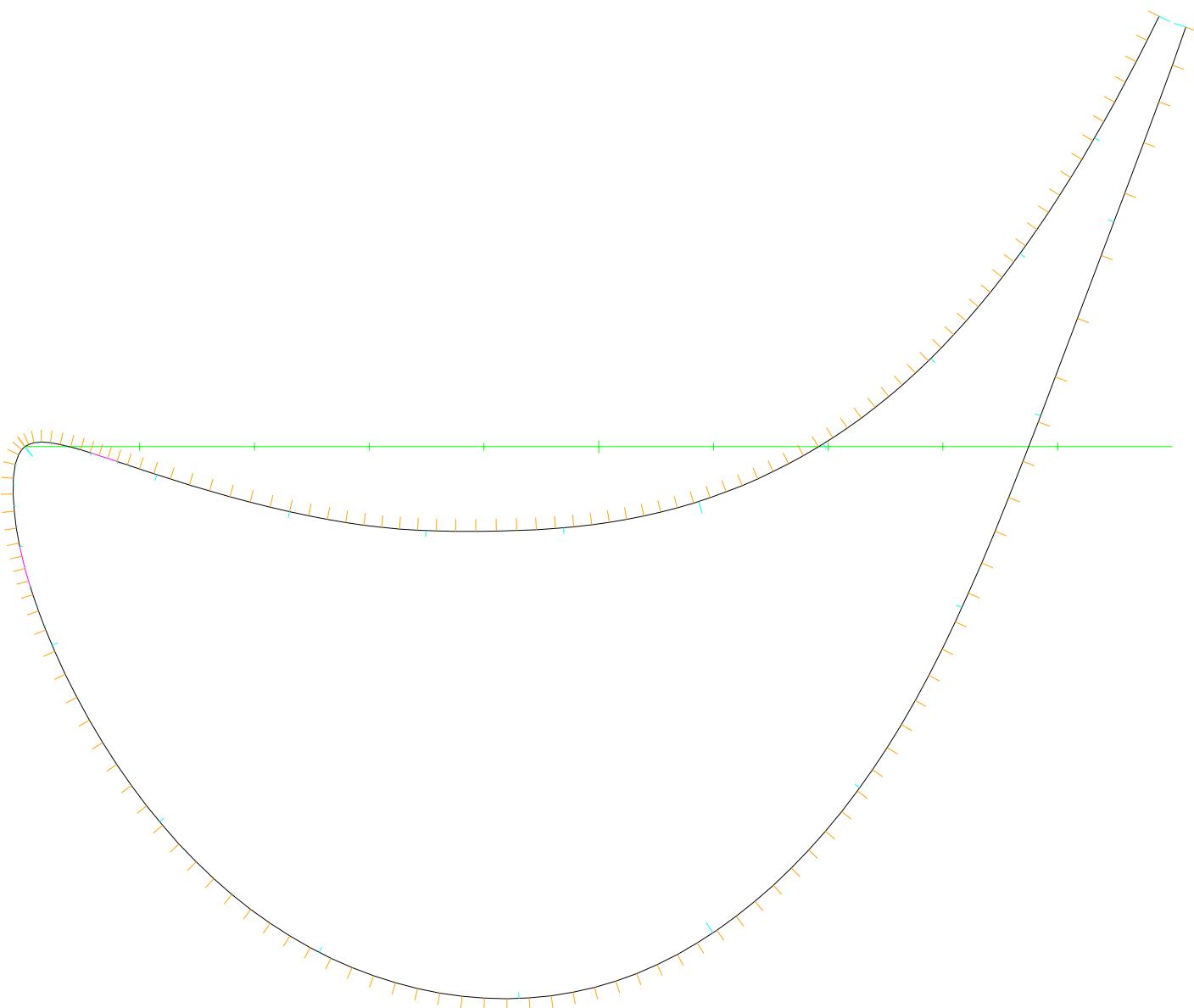
Suction side

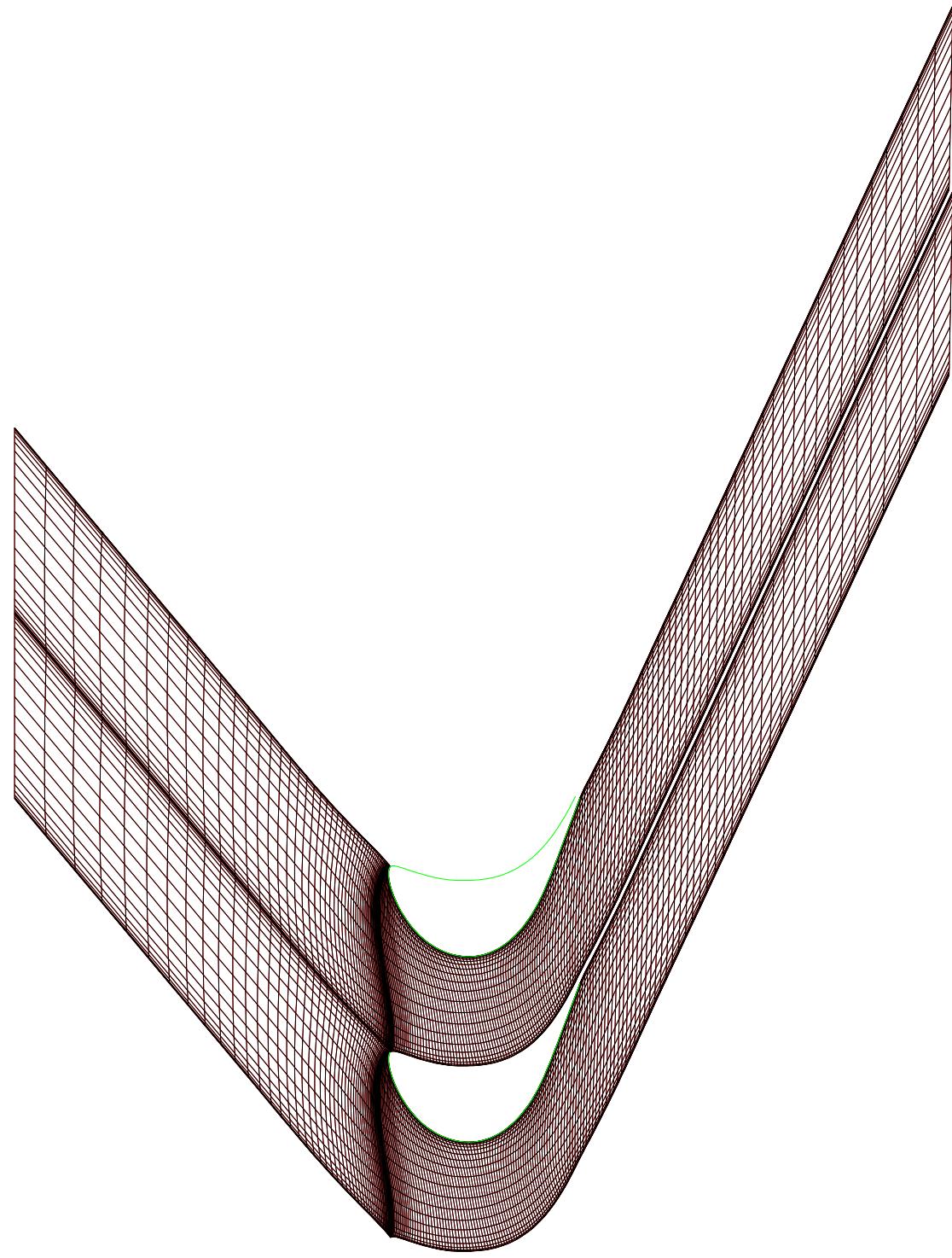


Pressure side



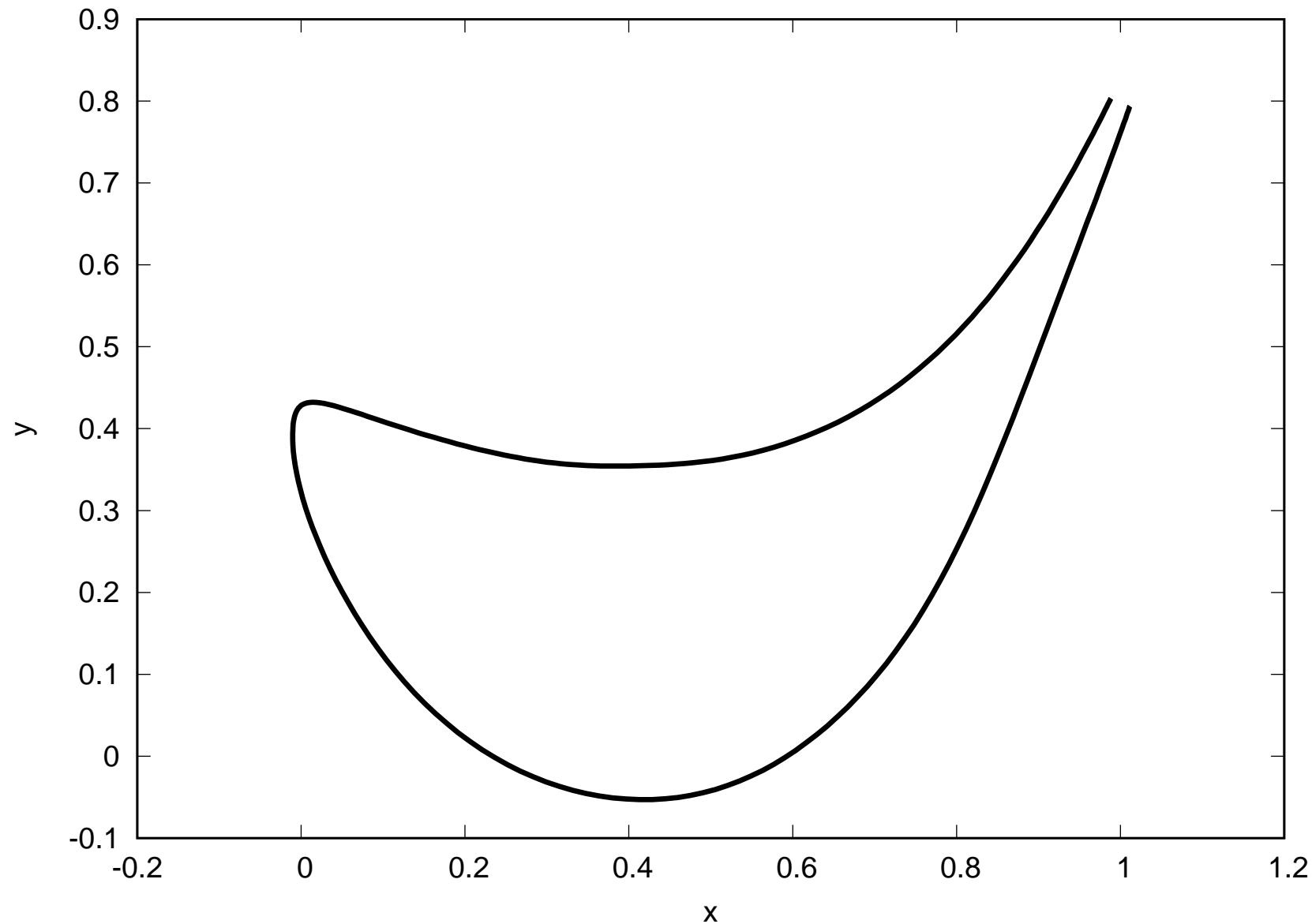






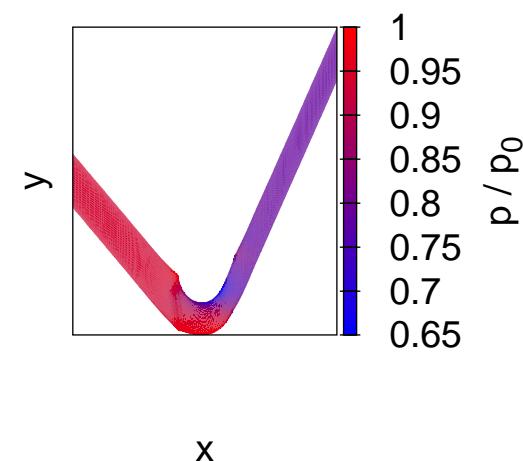
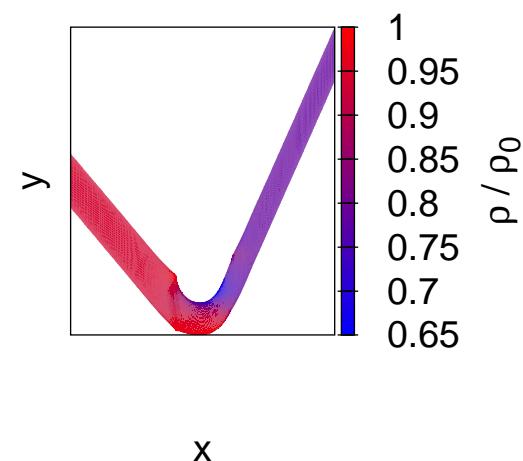
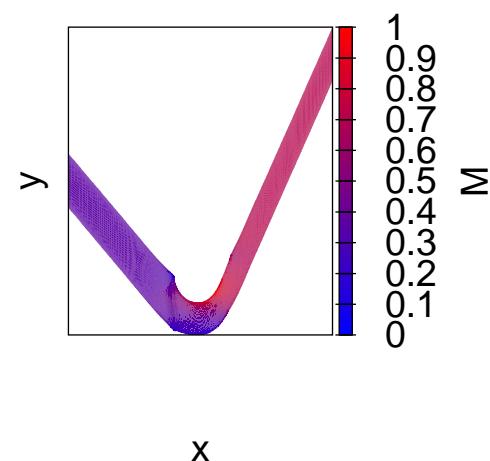
$$\alpha_1 = -50.0^\circ \parallel \alpha_2 = 65.0^\circ \parallel M_2 = 0.7 \parallel s = 0.9913 \parallel Re = 600000.0$$

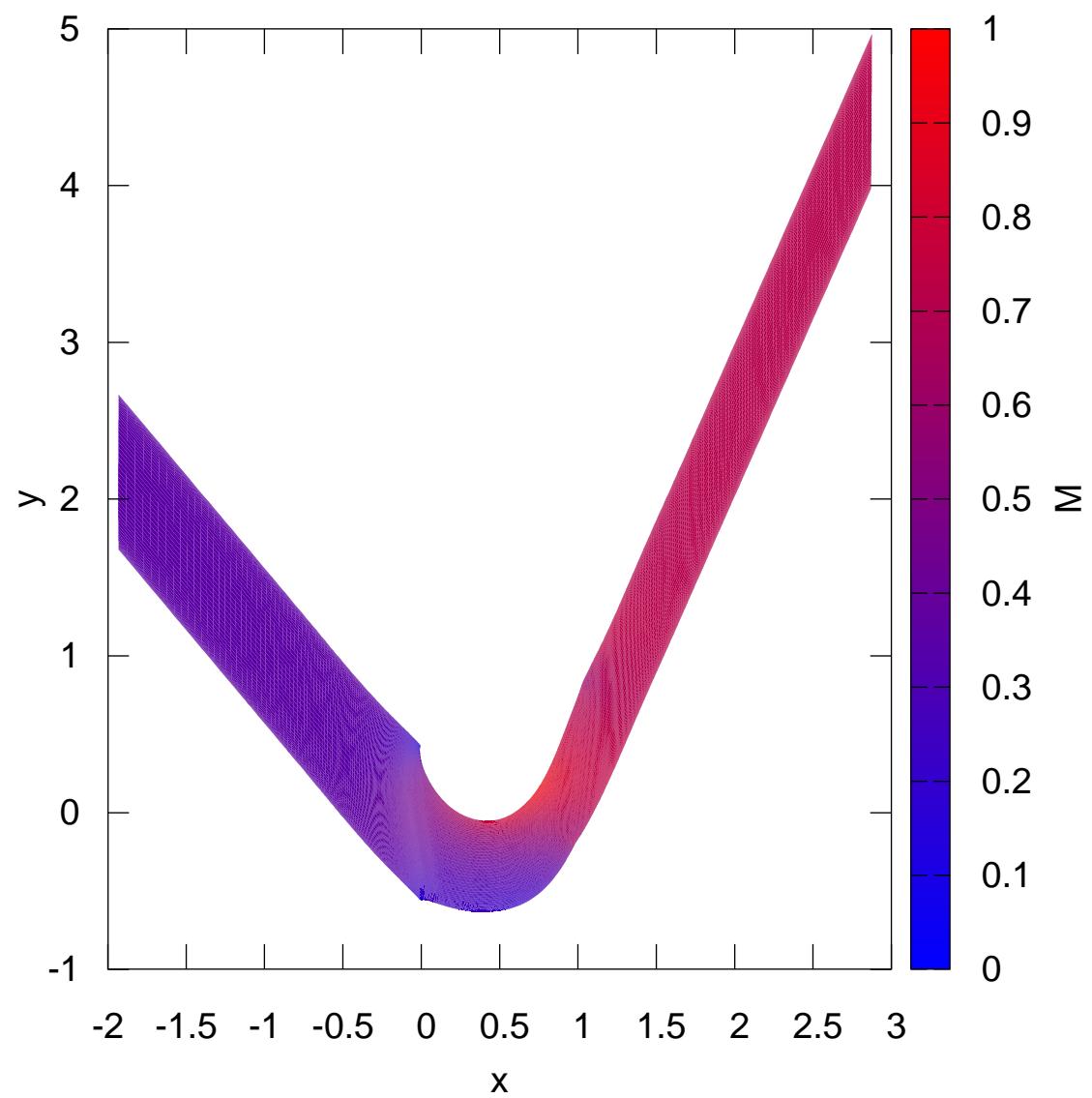
$$M_{LE} = 1.2 \parallel M_{PEAK} = 1.4 \parallel L_{PEAK} = 0.6 \parallel M_{PRESS} = 1.0$$

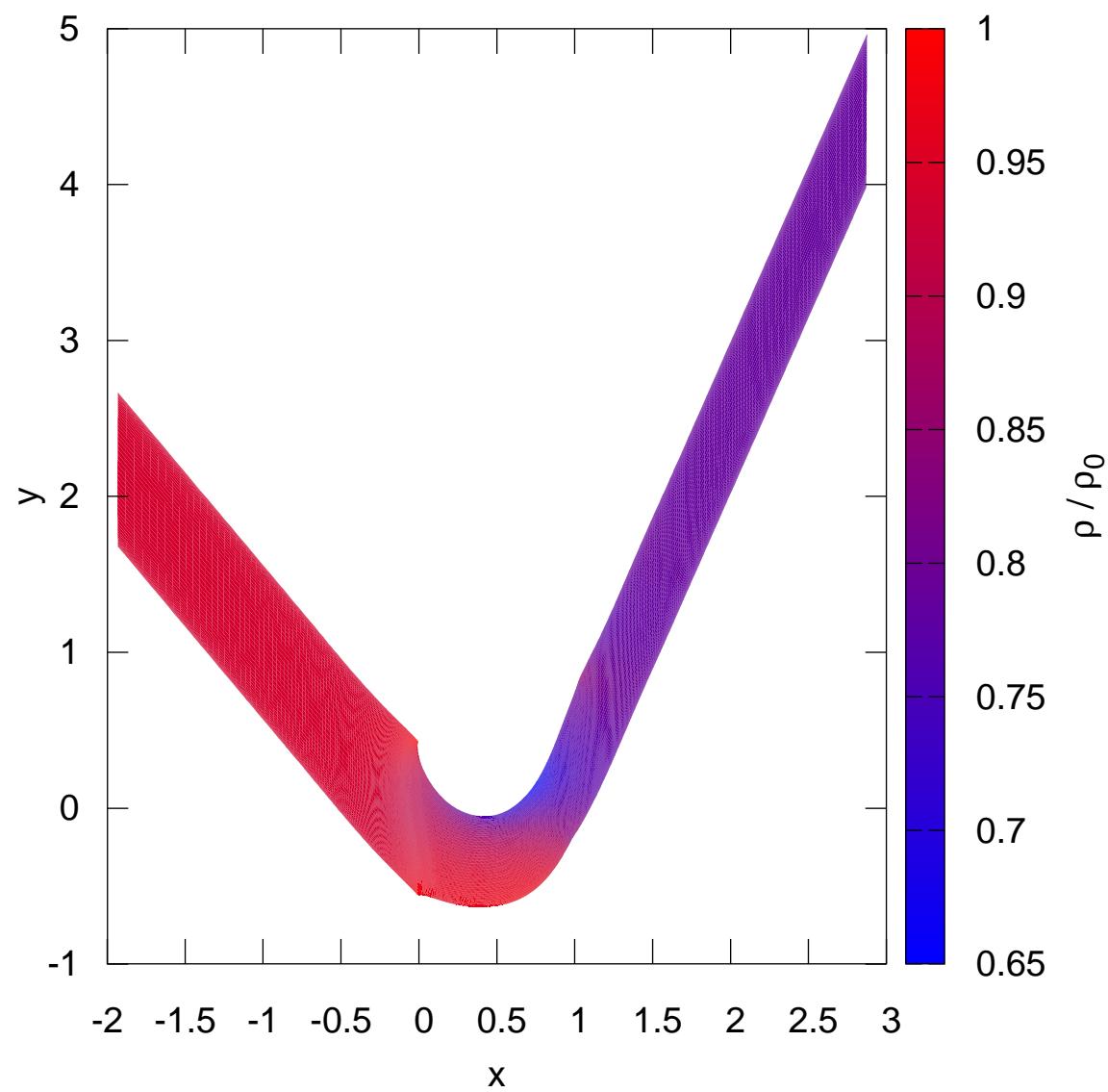


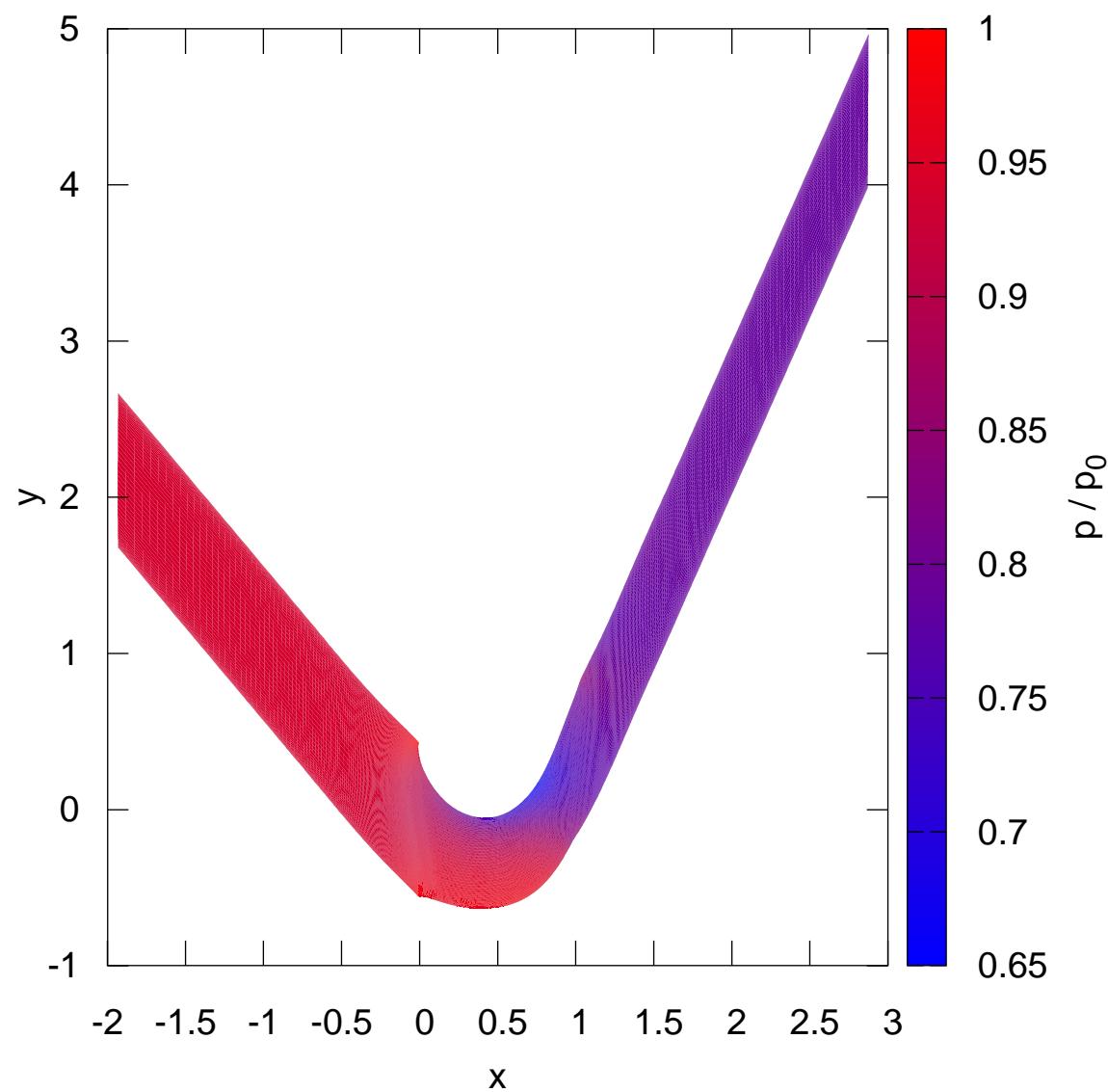
$$\alpha_1 = -50.0^\circ \parallel \alpha_2 = 65.0^\circ \parallel M_2 = 0.7 \parallel s = 0.9913 \parallel Re = 600000.0$$

$$M_{LE} = 1.2 \parallel M_{PEAK} = 1.4 \parallel L_{PEAK} = 0.6 \parallel M_{PRESS} = 1.0$$

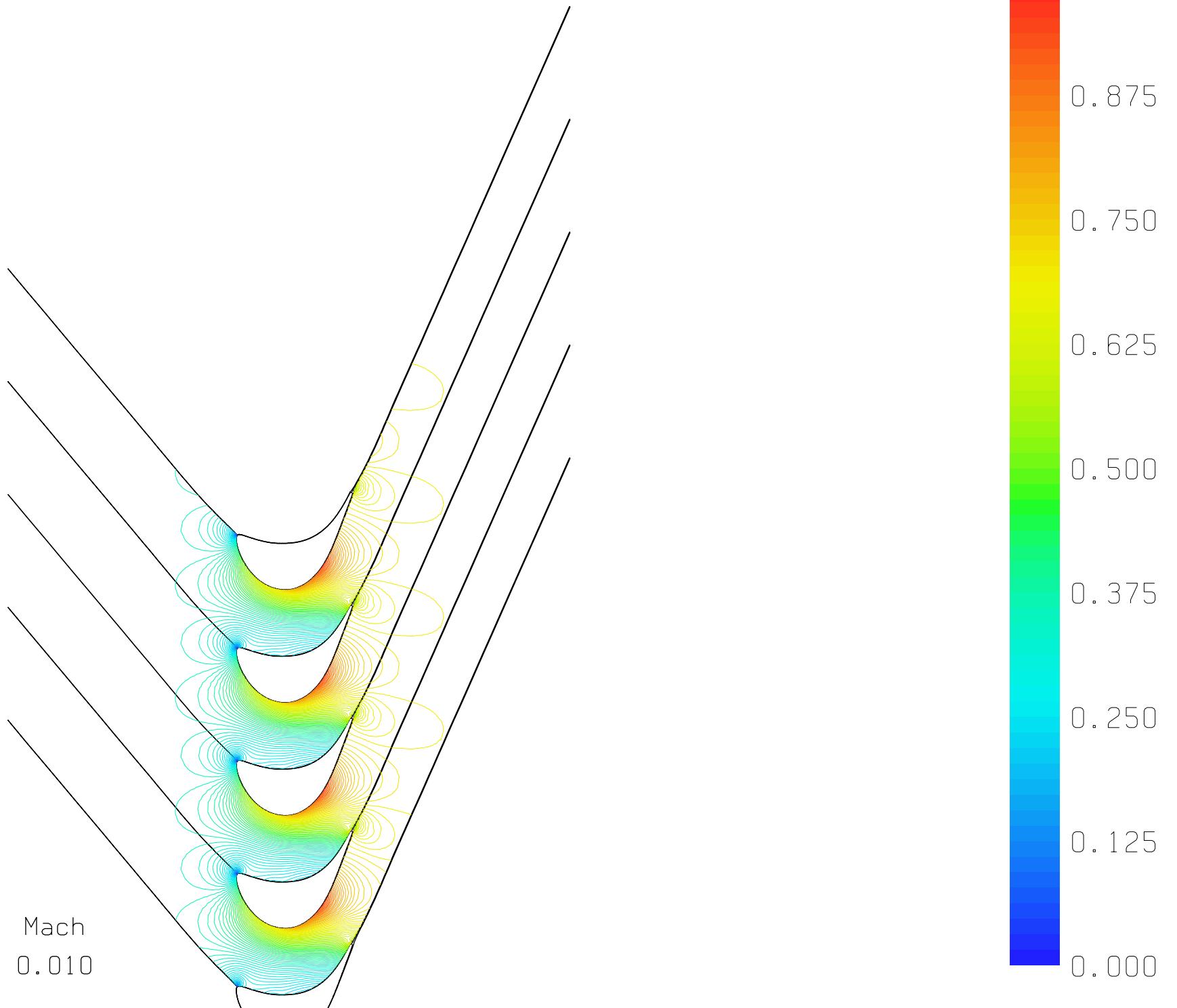




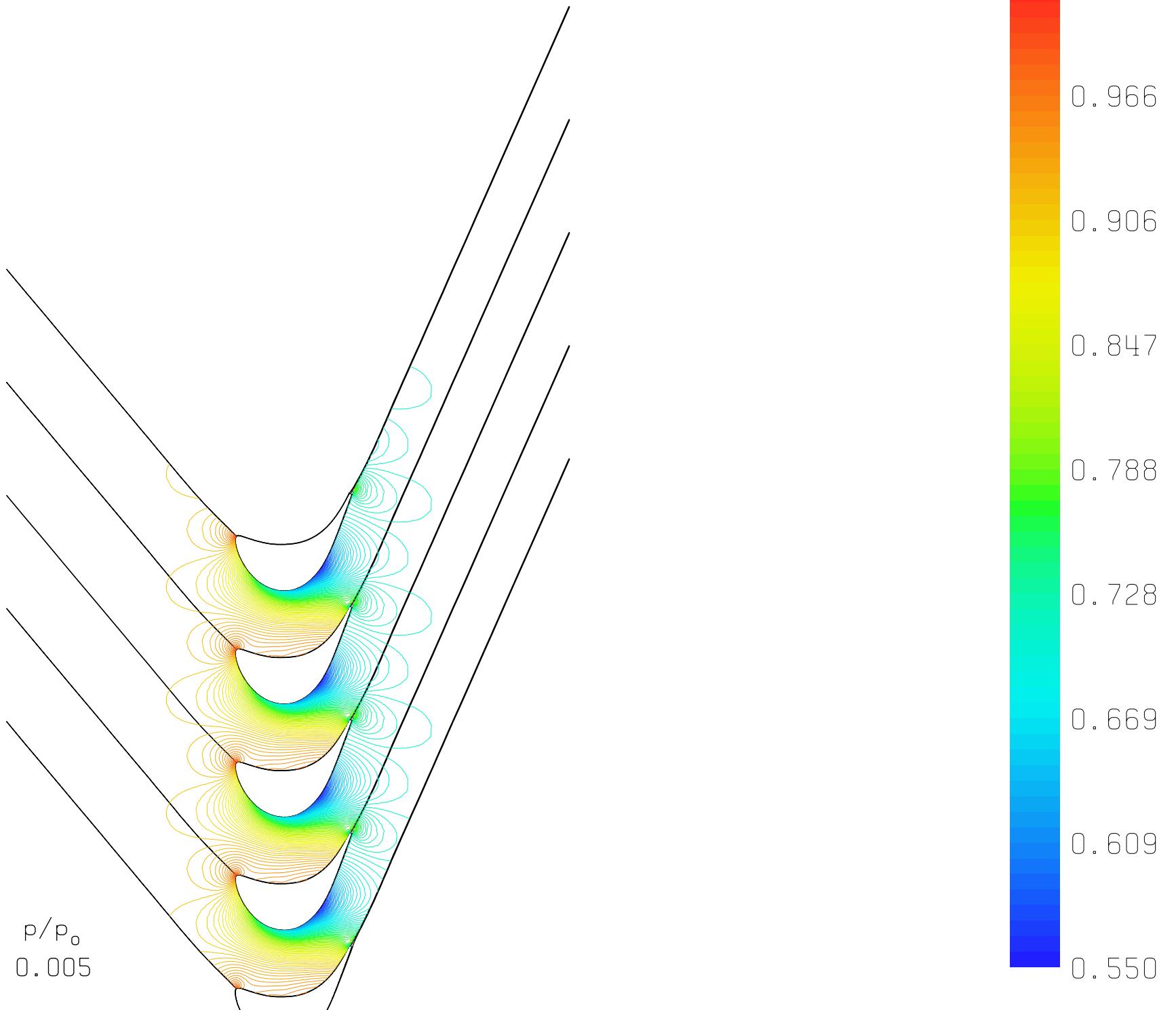




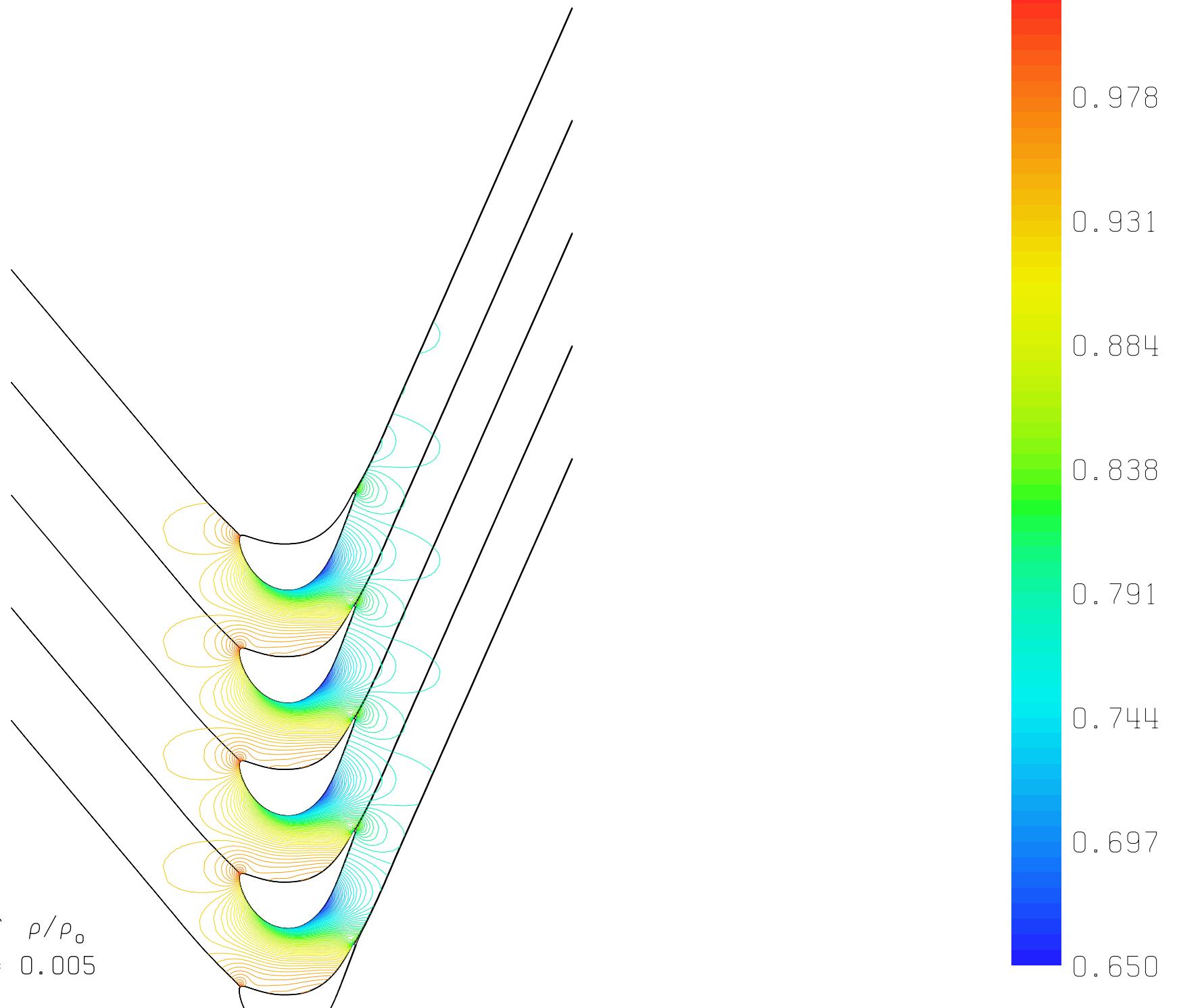
Contours of Mach
Increment = 0.010



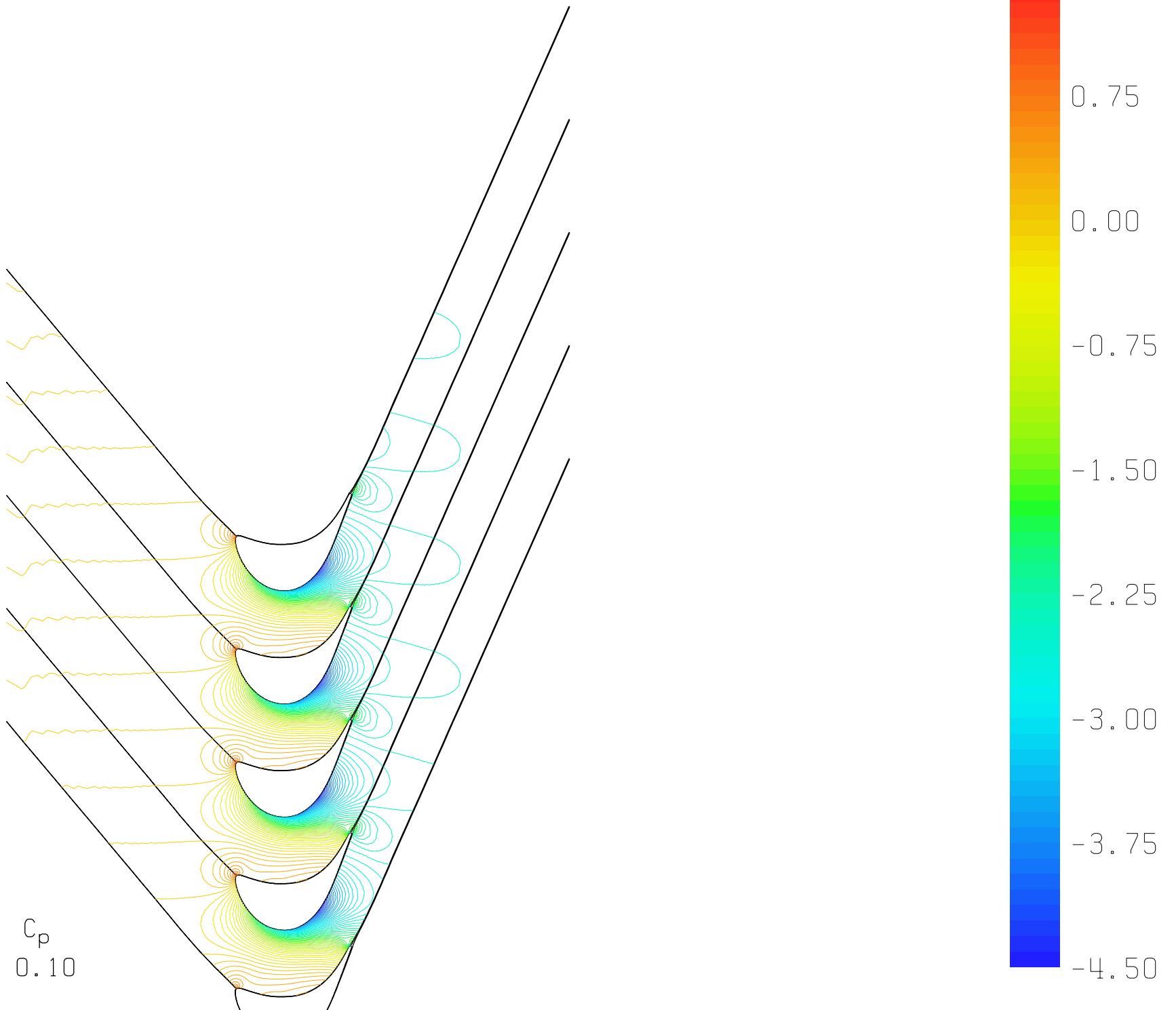
Contours of p/p_0
Increment = 0.005



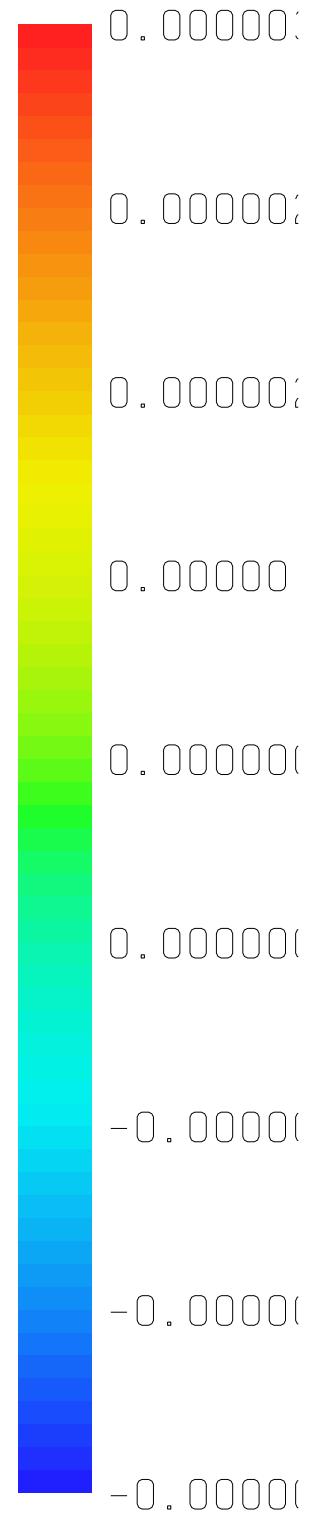
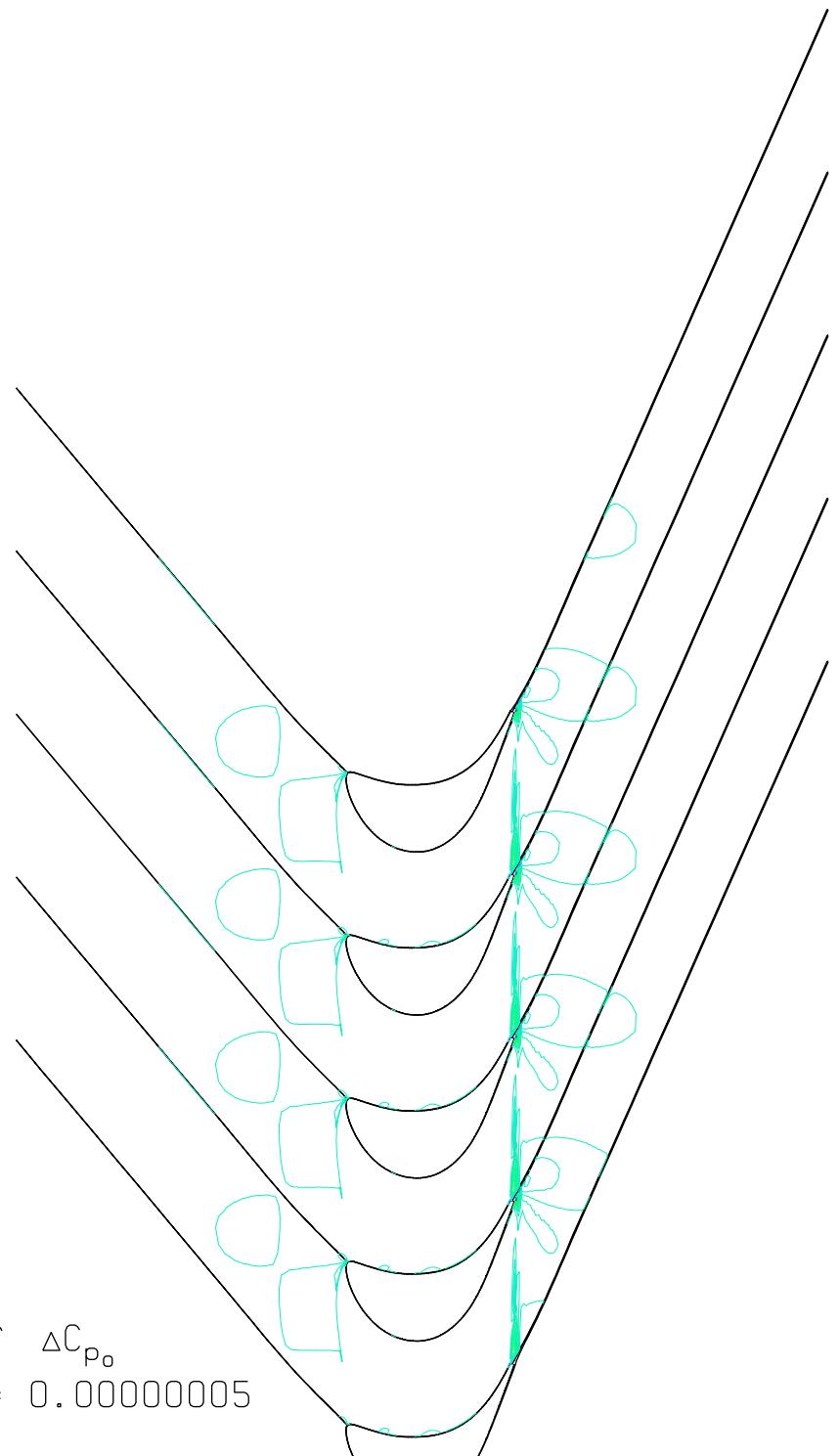
Contours of ρ/ρ_0
Increment = 0.005



Contours of C_p
Increment = 0.10



Contours of ΔC_{p_0}
Increment = 0.00000005



Contours of $\Delta p_0 / p_0$
Increment = 0.000000005

