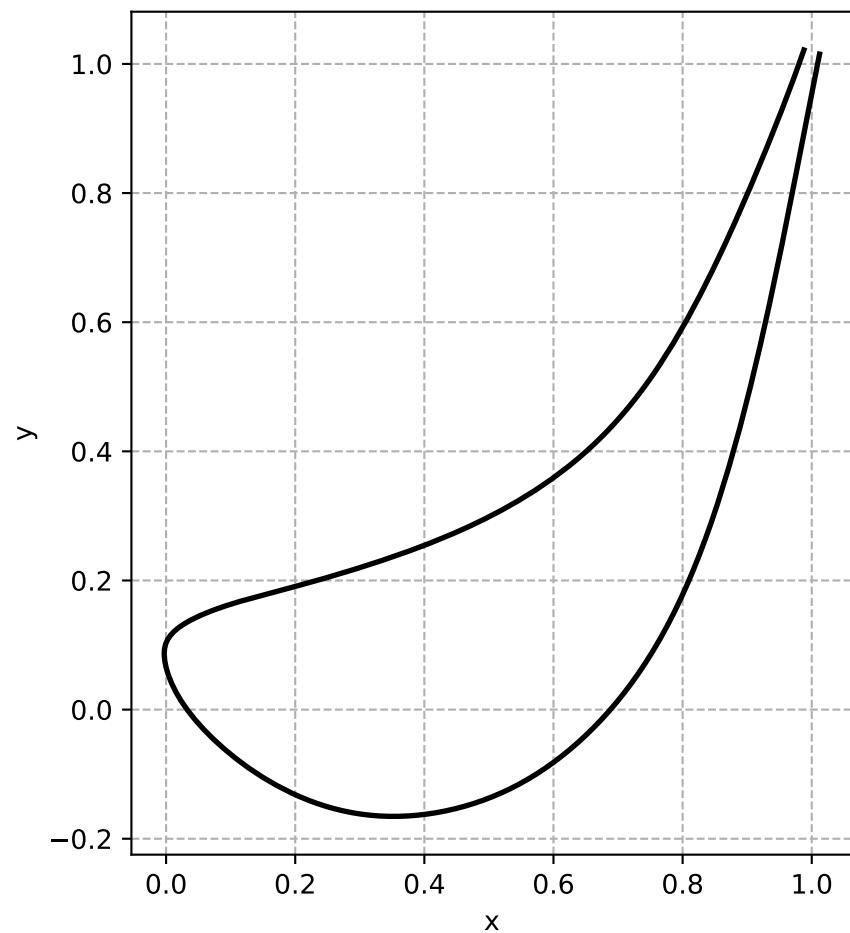
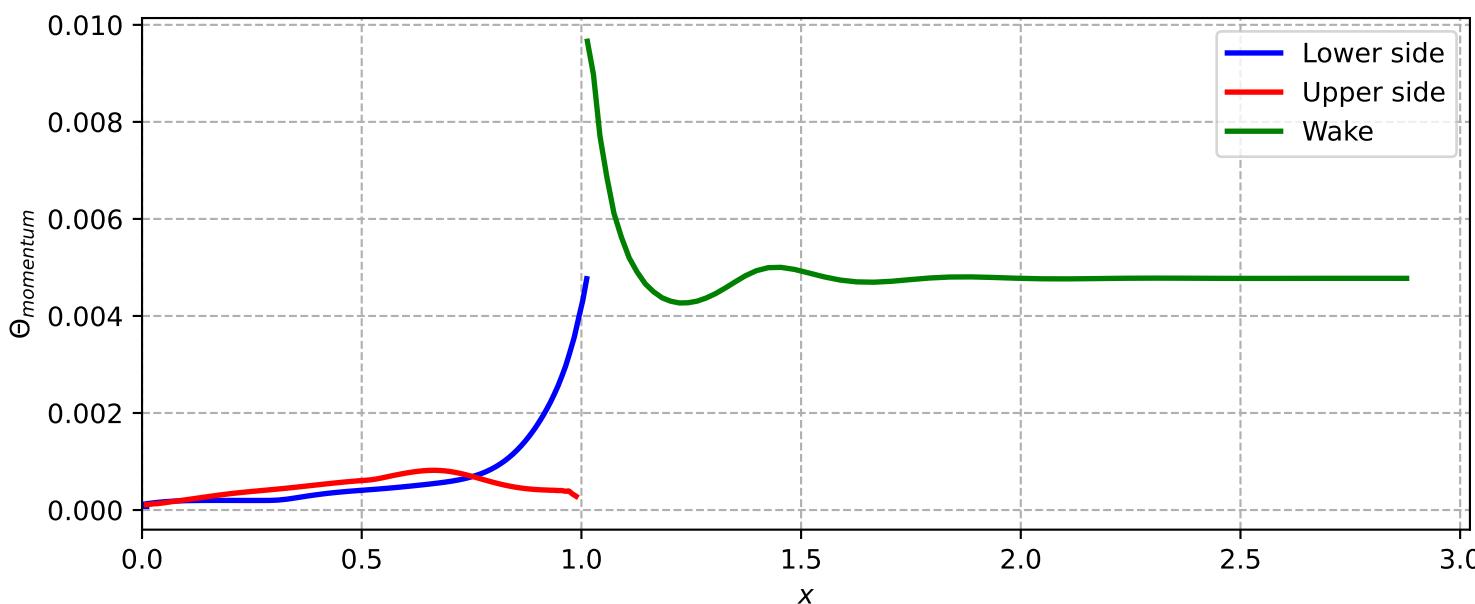
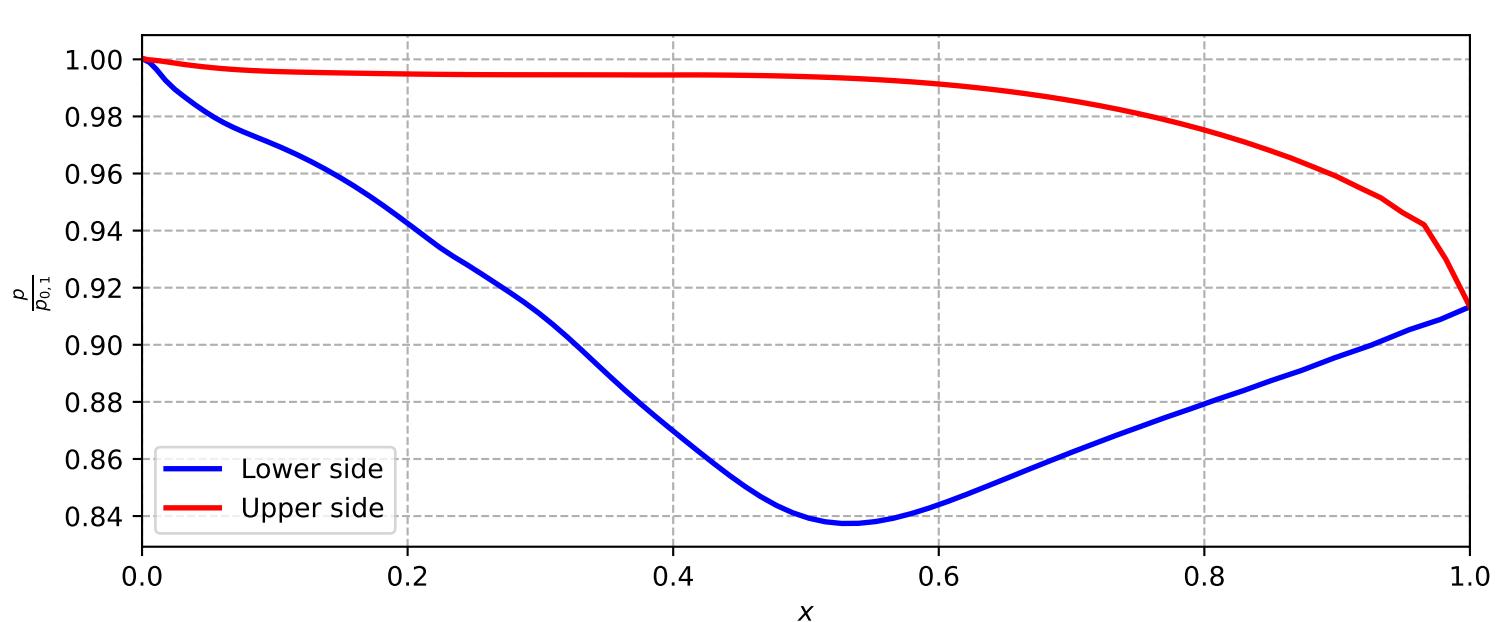
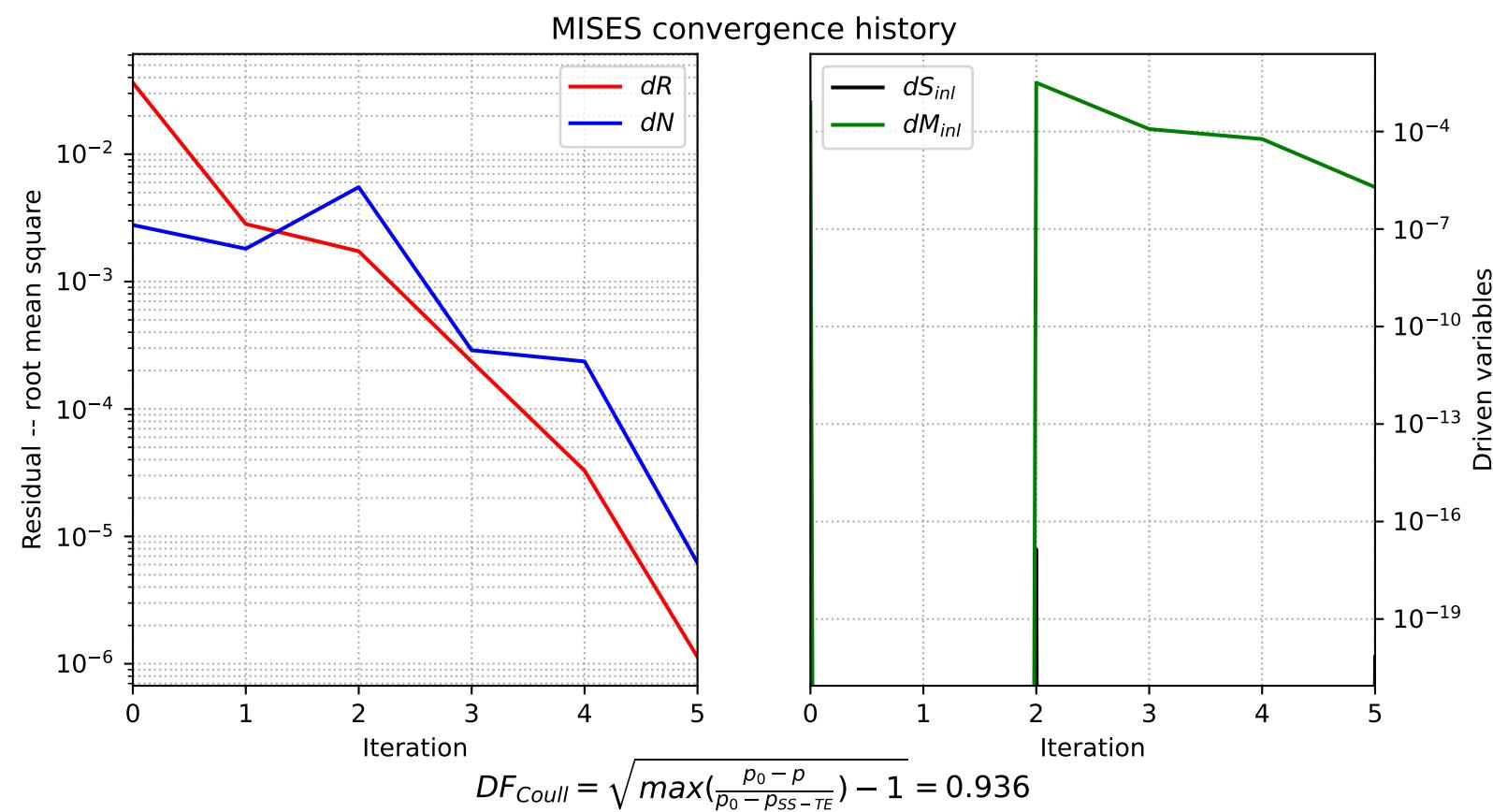
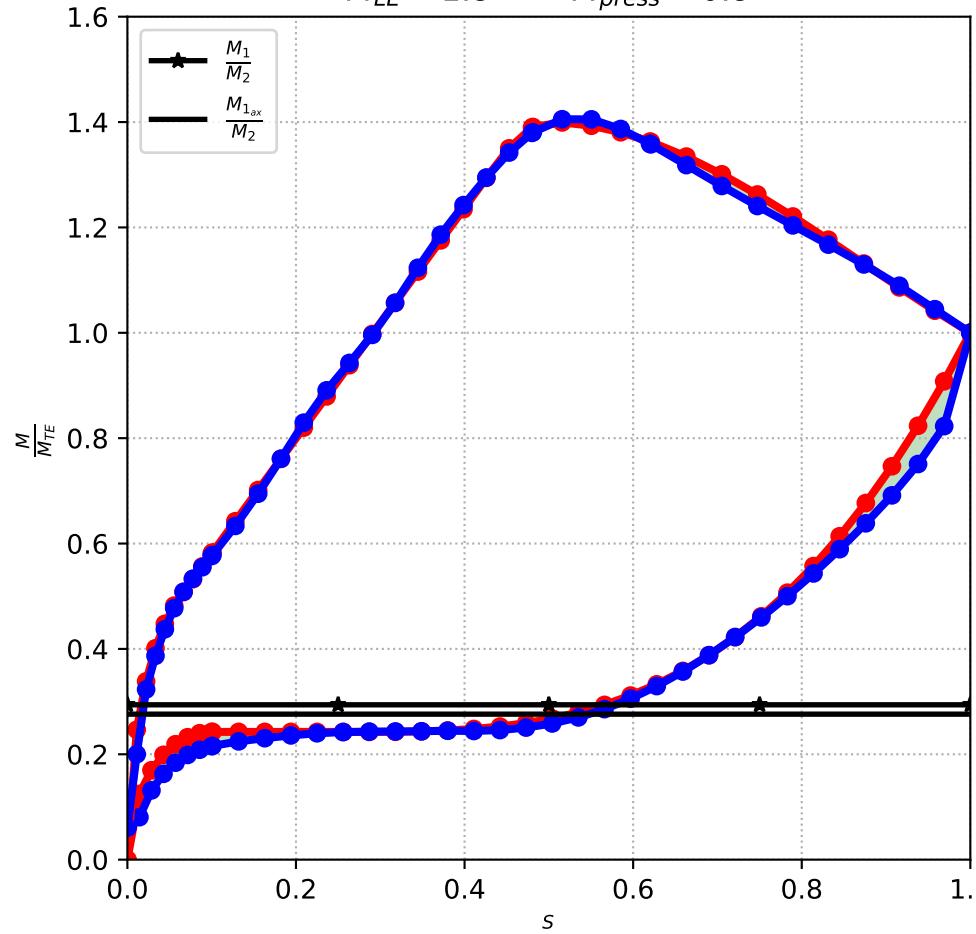


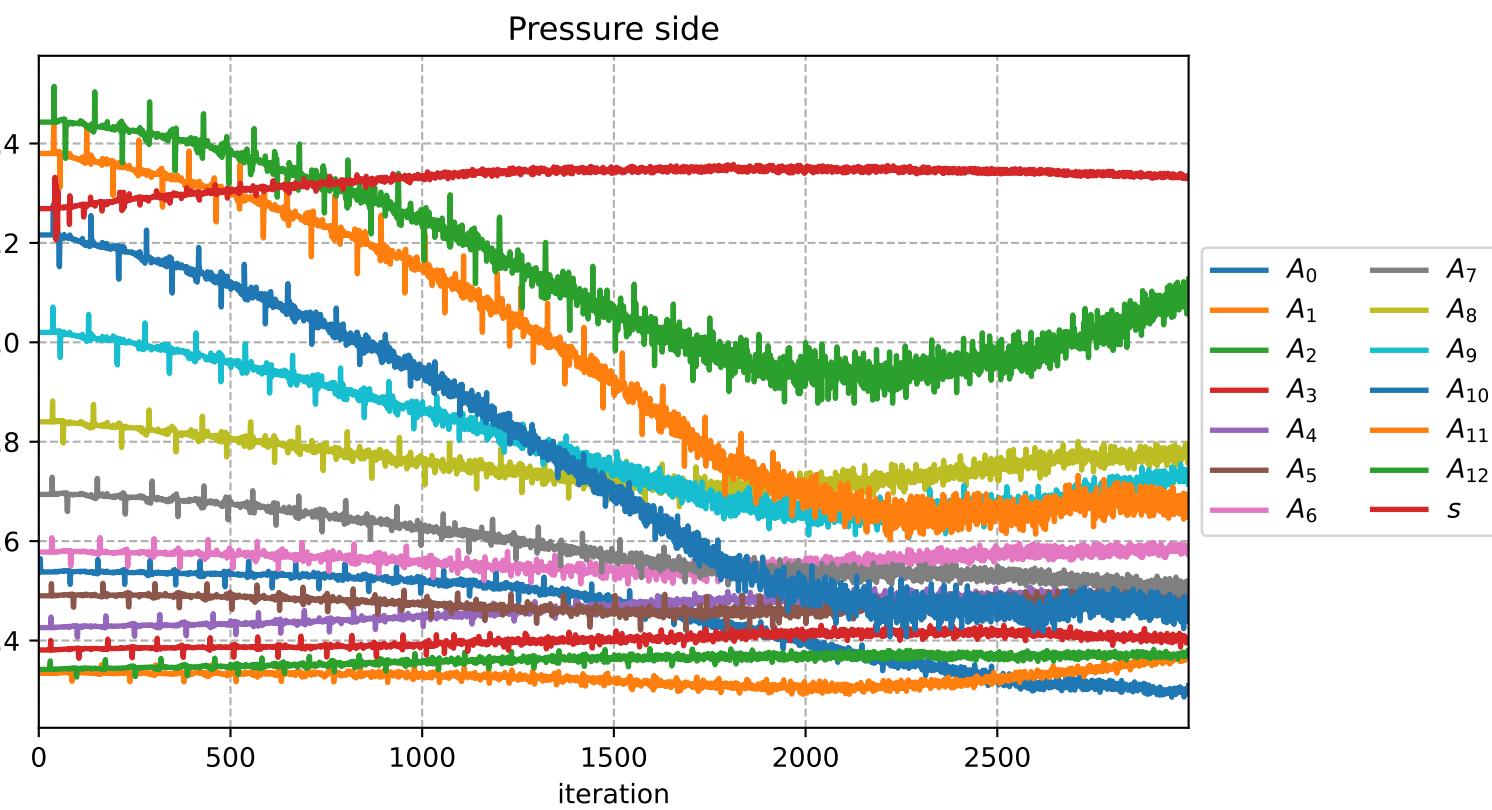
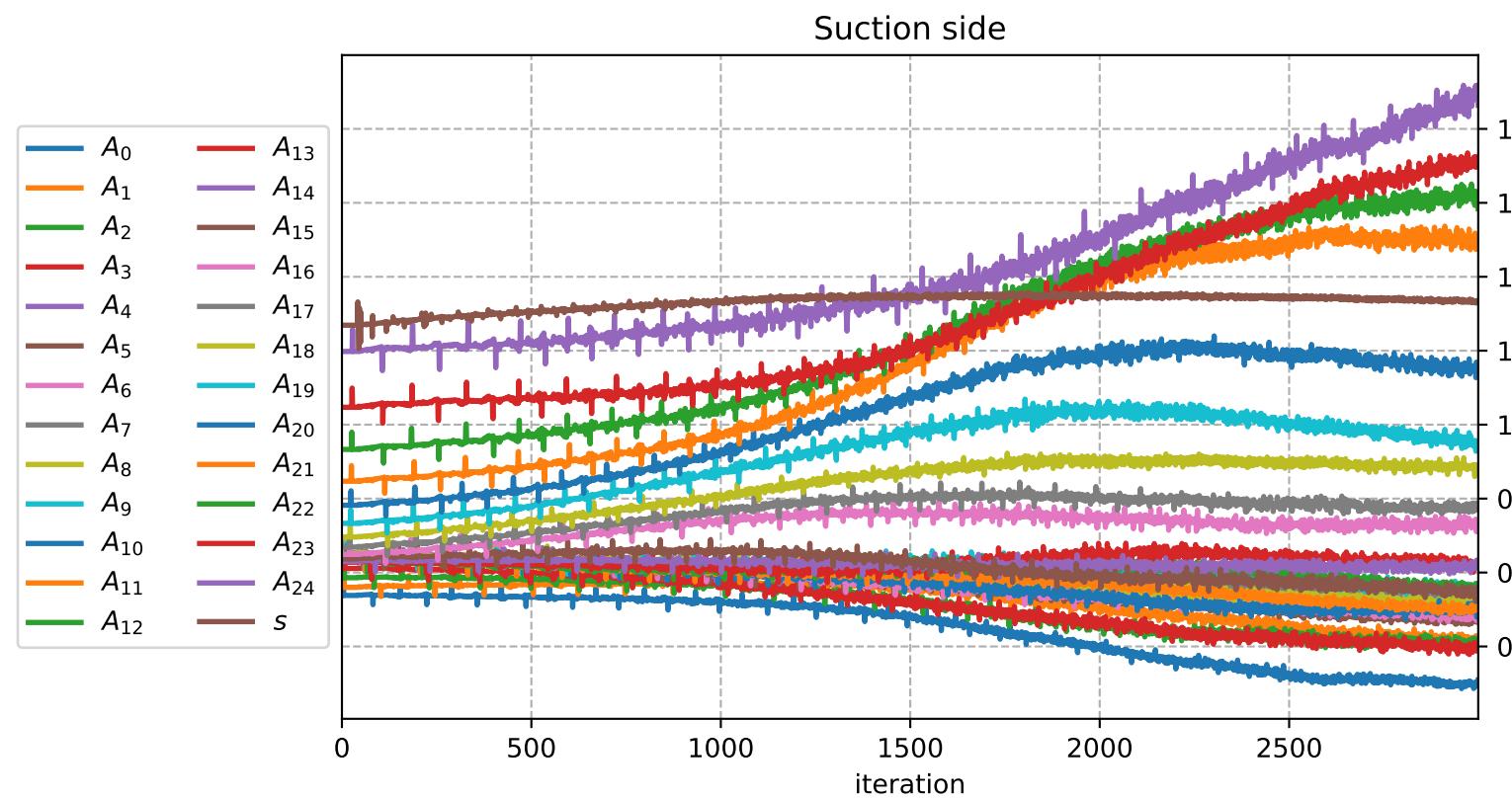
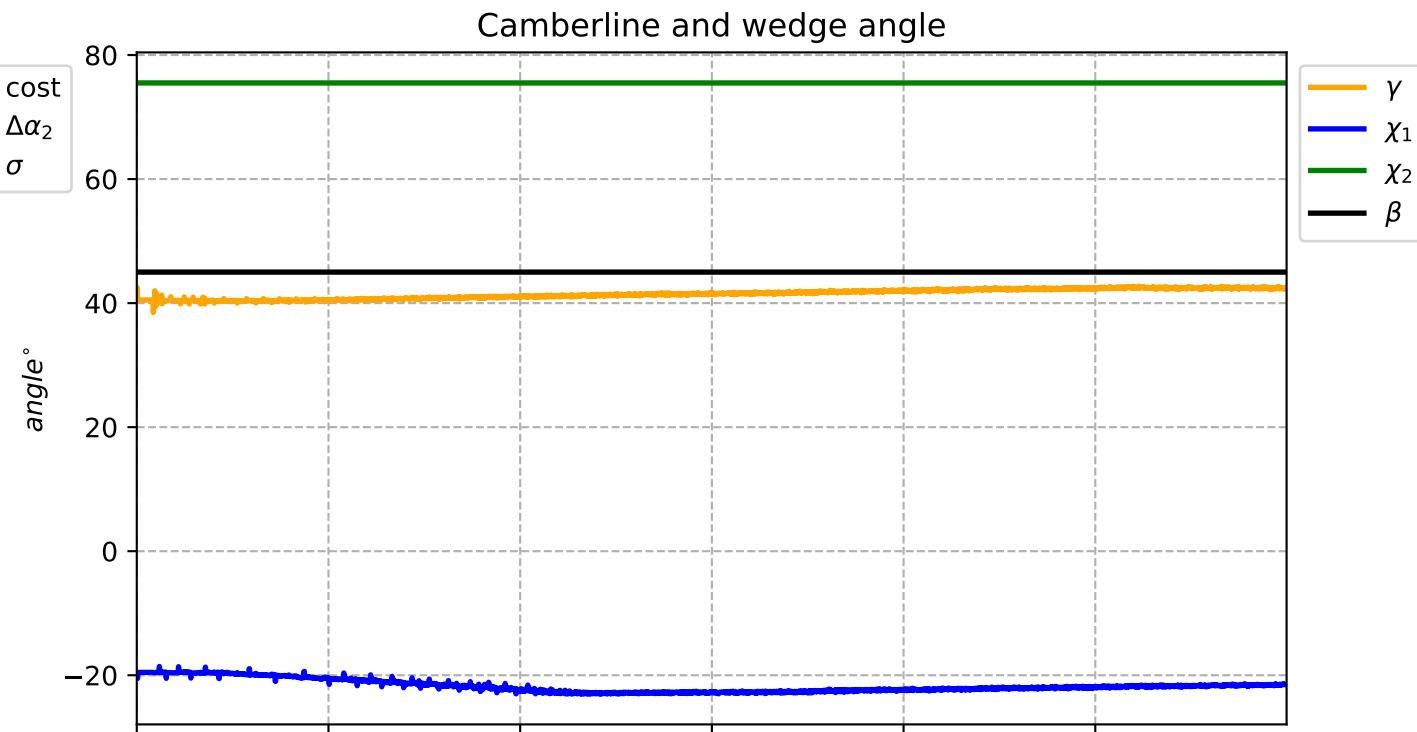
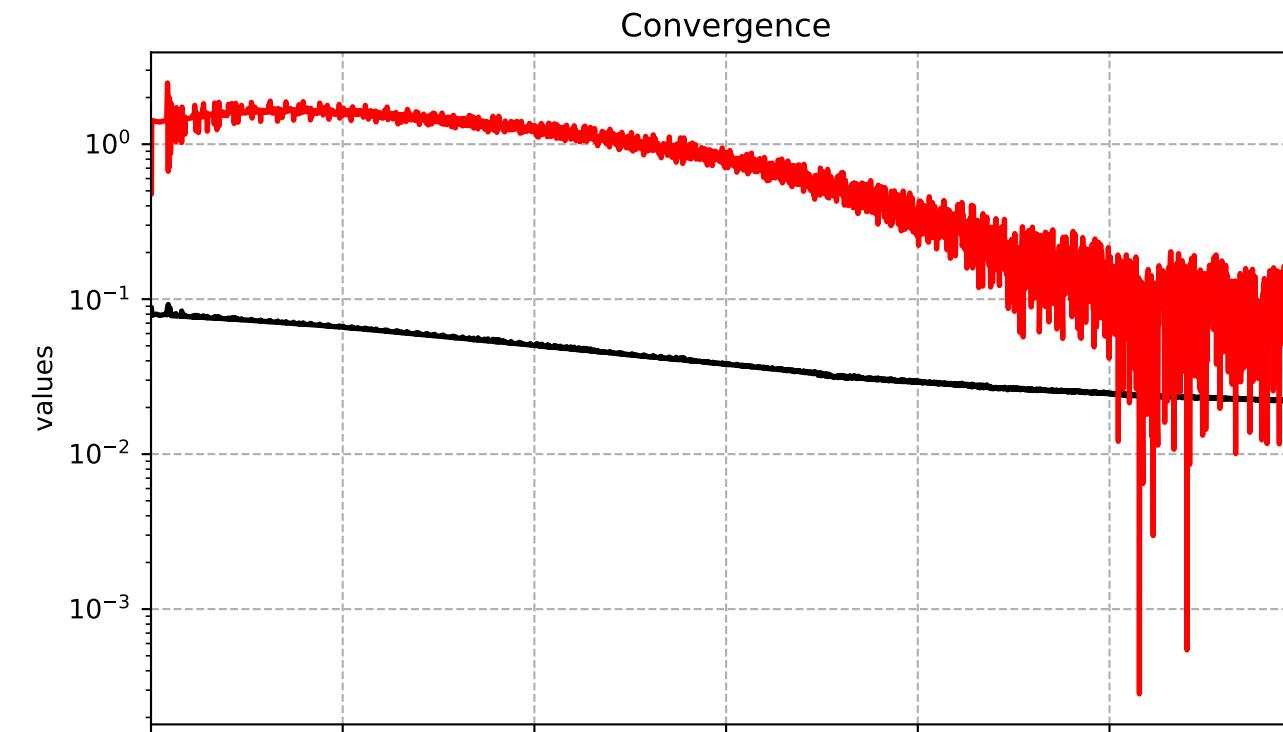
#0109 NAME: VKIblade
 $\alpha_1 = -20.000^\circ$ $\alpha_2 = \text{KUTTA CONDITION}$
CHINL = 2.000 CHOUT = 2.000
PITCH = 1.334 $\beta = 45.000^\circ$
 $R_{LE} = 0.043$ $\zeta_{TE} = 0.025$

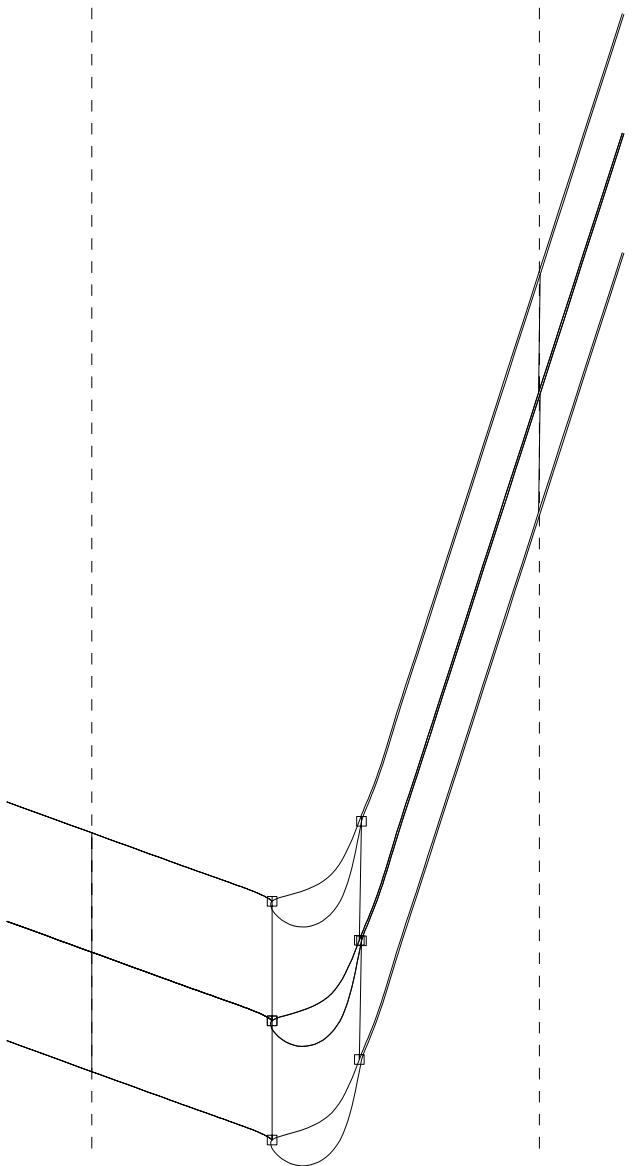


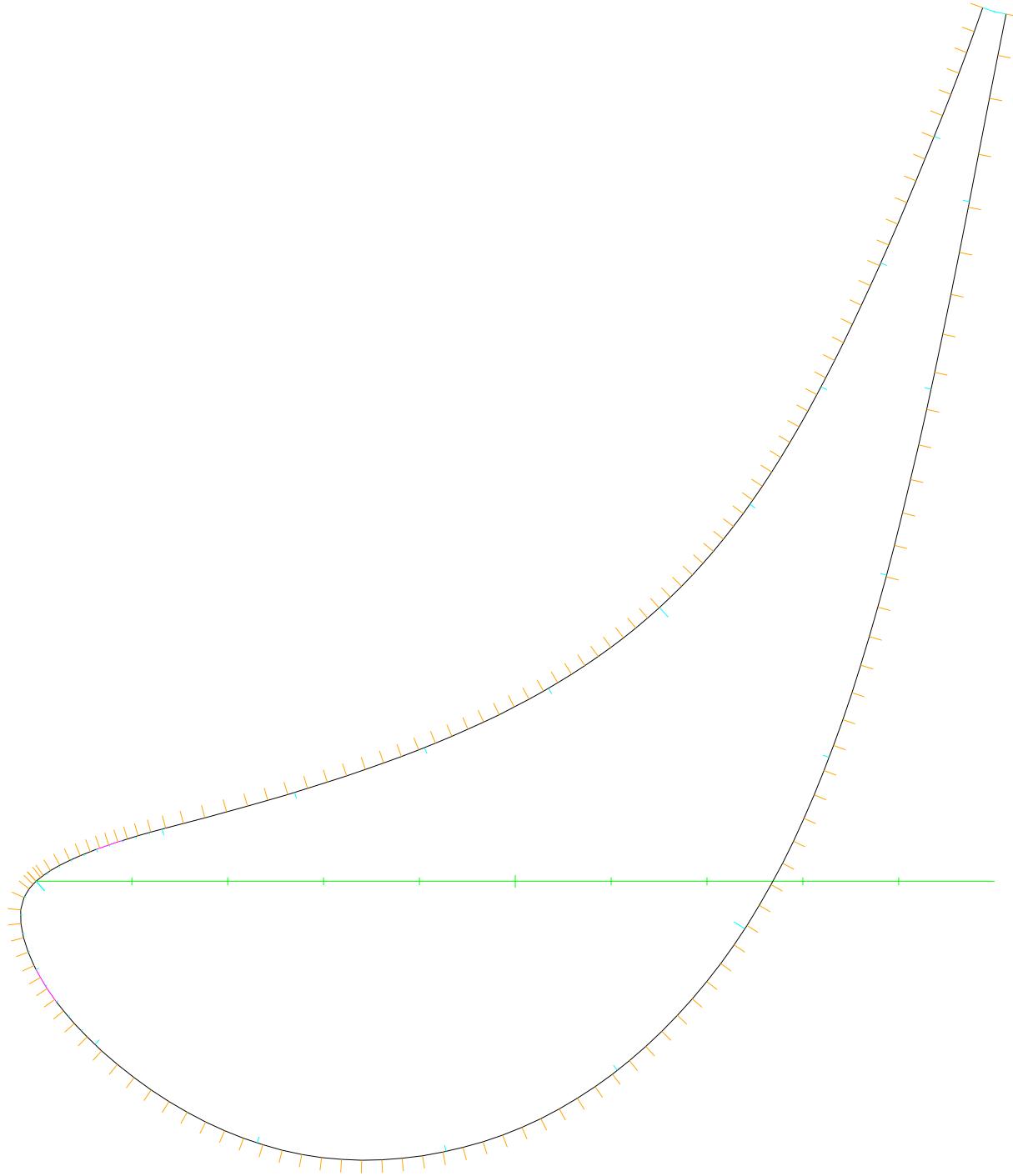
$RMSE = 2.301E - 02$
 $RMSE_{PS} = 2.904E - 02$ $RMSE_{SS} = 1.520E - 02$
 $\alpha_2, \text{target} = 72.50^\circ$ $\Delta\alpha_2 = 0.07^\circ$ $\alpha_2, \text{real} = 72.43^\circ$
 $M_{peak} = 1.4$ $L_{peak} = 0.5$
 $M_{LE} = 1.8$ $M_{press} = 0.8$

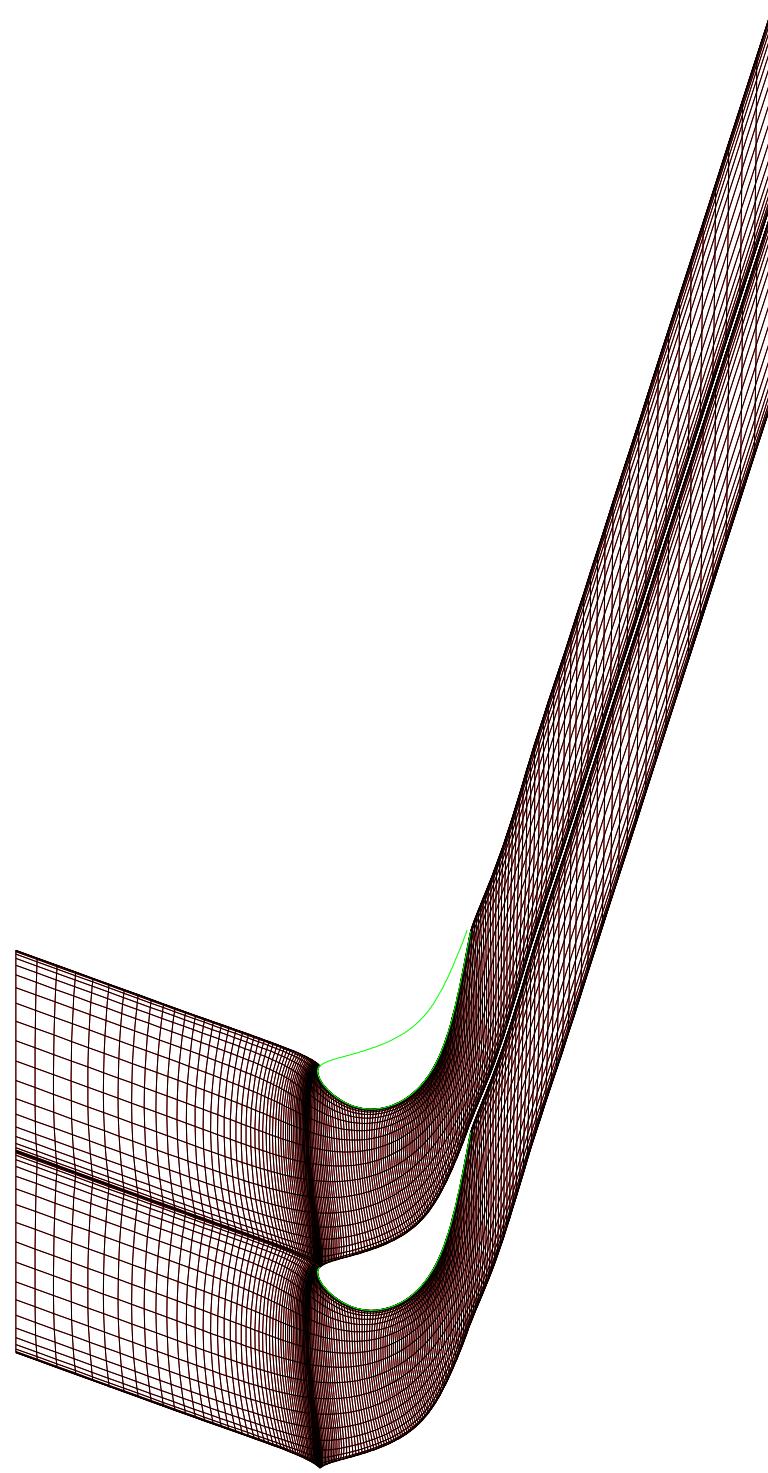


Optimization: 1
Method: Nelder-Mead



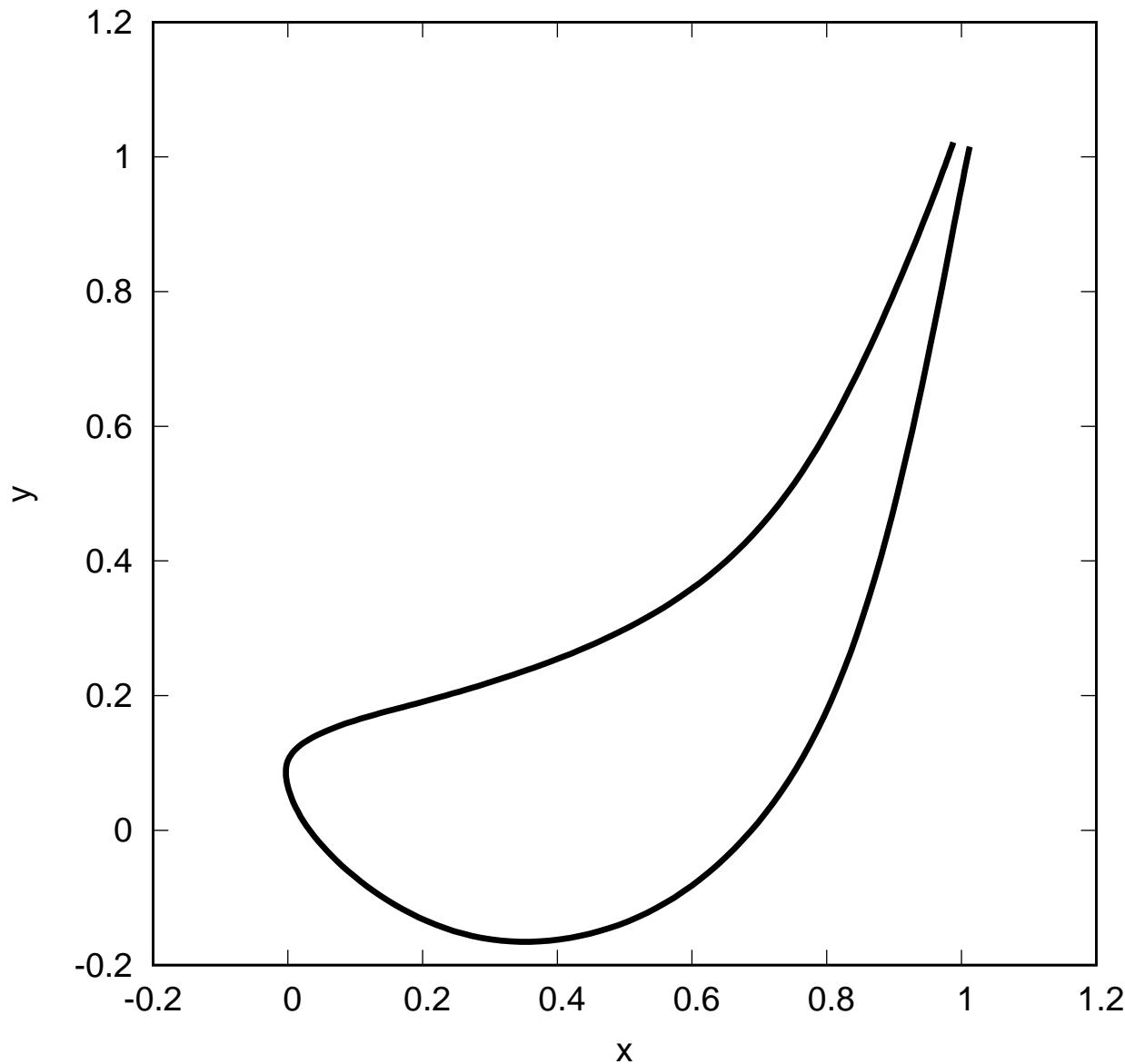






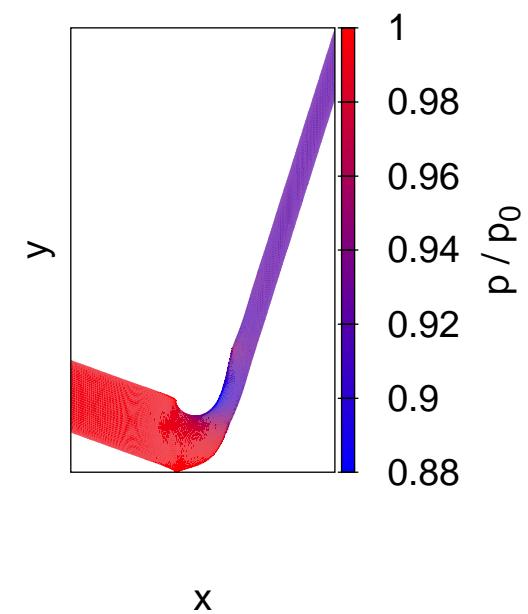
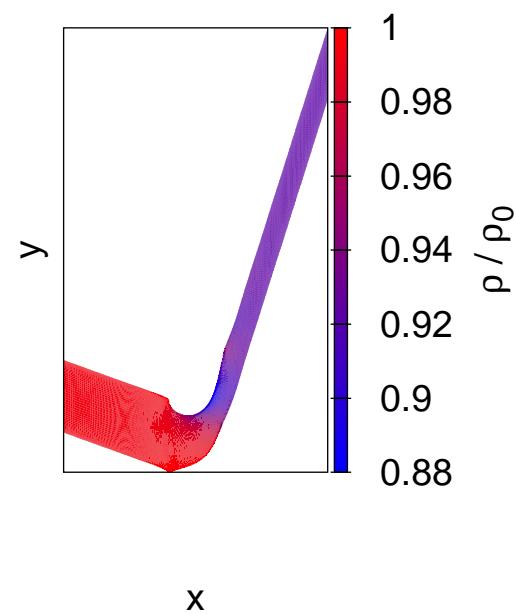
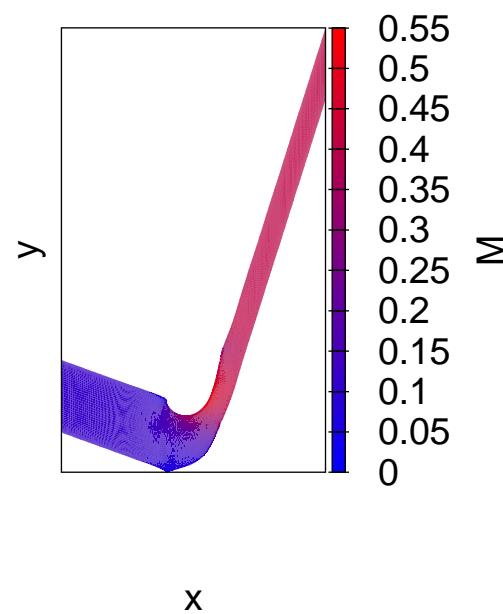
$\alpha_1 = -20.0^\circ \parallel \alpha_2 = 72.5^\circ \parallel M_2 = 0.4 \parallel s = 1.334 \parallel Re = 600000.0$

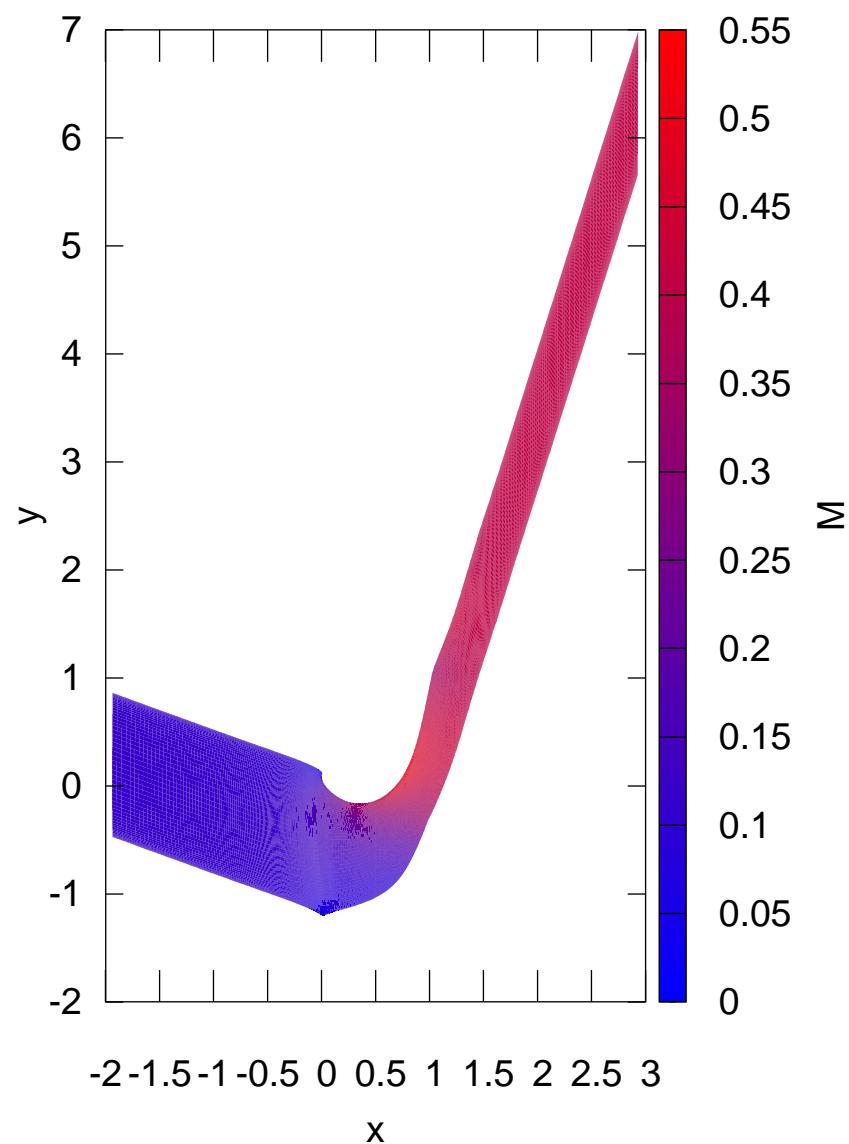
$M_{LE} = 1.8 \parallel M_{PEAK} = 1.4 \parallel L_{PEAK} = 0.5 \parallel M_{PRESS} = 0.8$

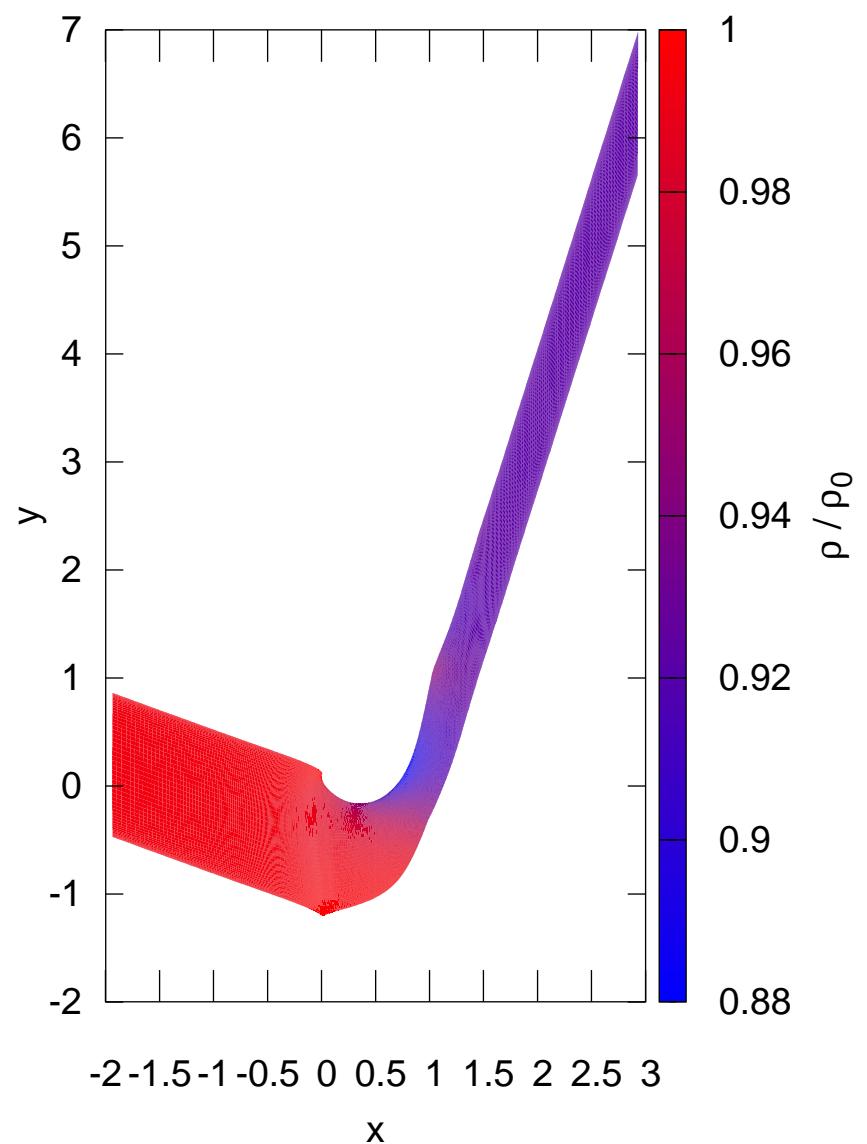


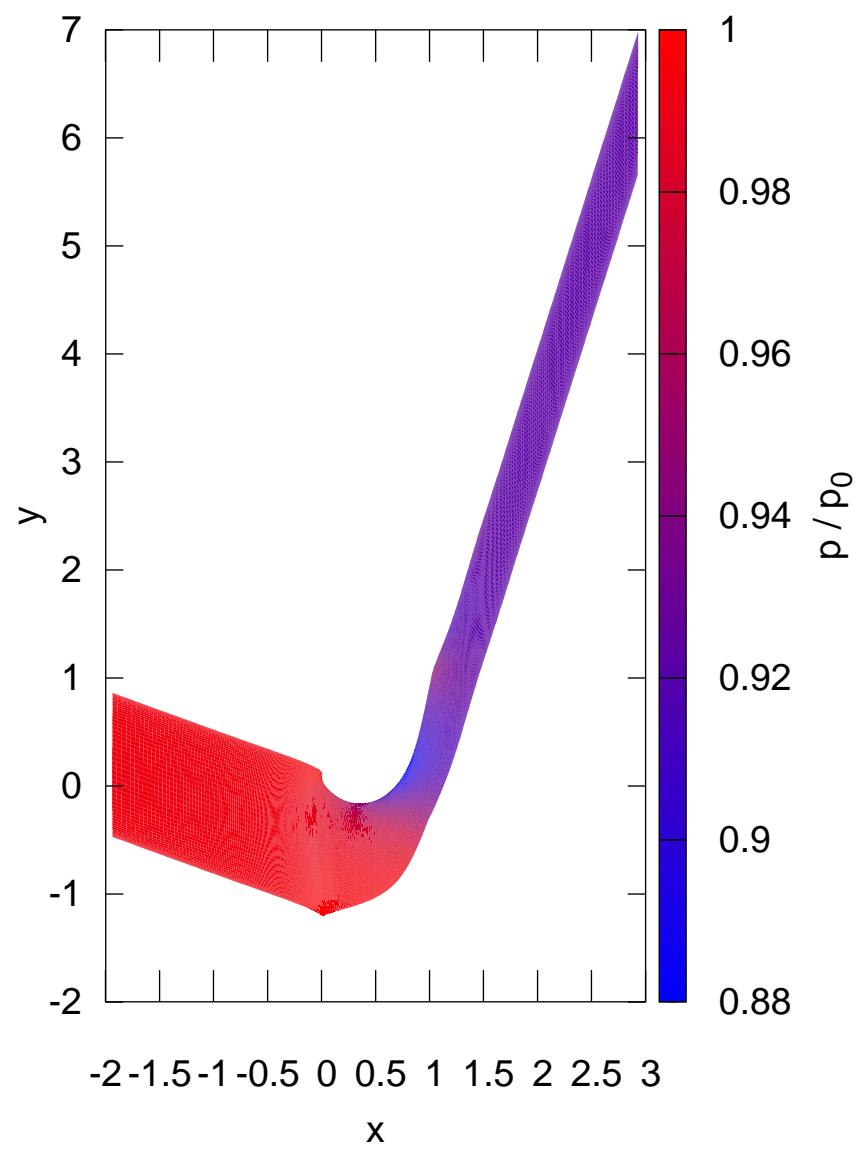
$$\alpha_1 = -20.0^\circ \parallel \alpha_2 = 72.5^\circ \parallel M_2 = 0.4 \parallel s = 1.334 \parallel Re = 600000.0$$

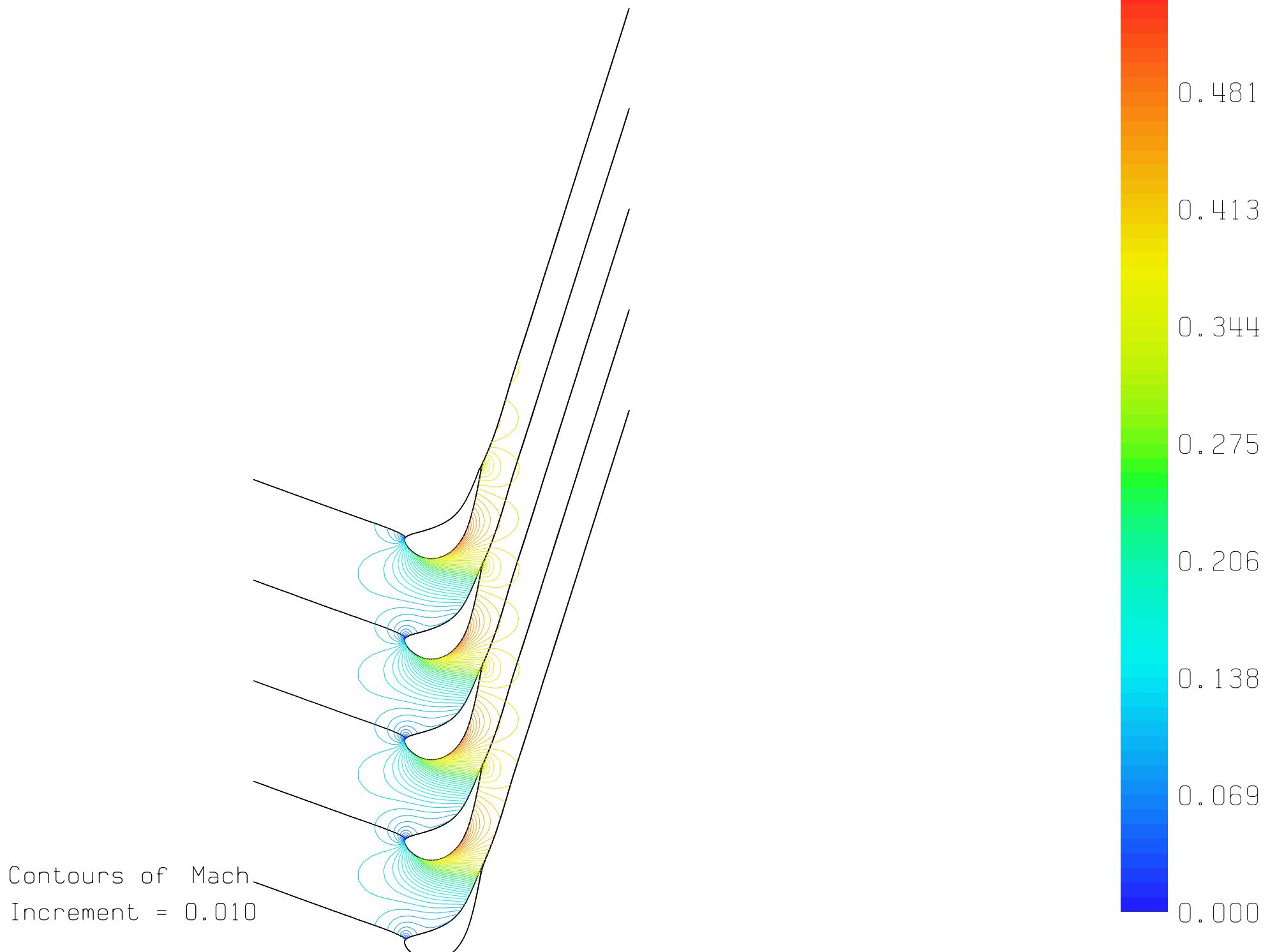
$$M_{LE} = 1.8 \parallel M_{PEAK} = 1.4 \parallel L_{PEAK} = 0.5 \parallel M_{PRESS} = 0.8$$

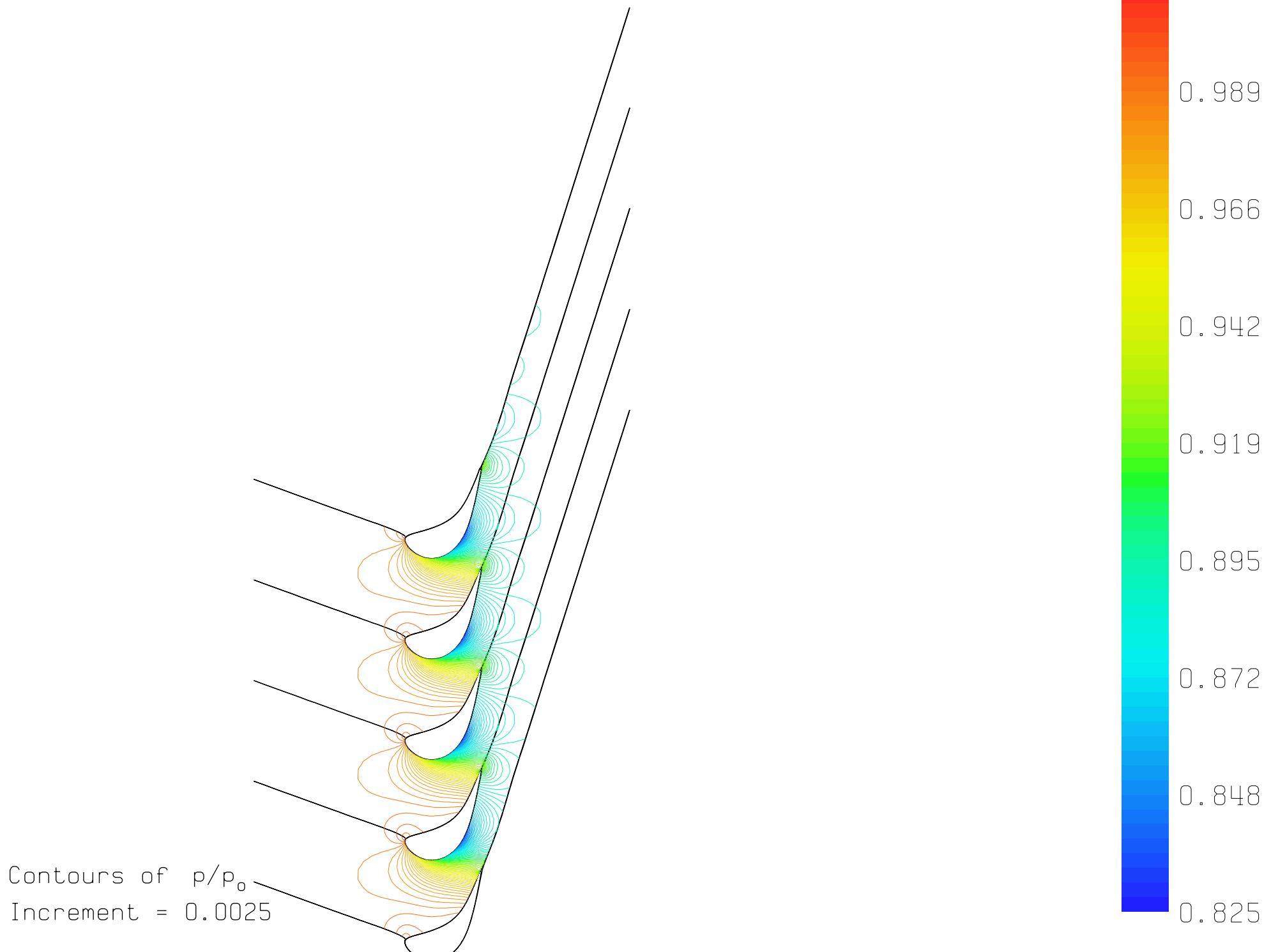


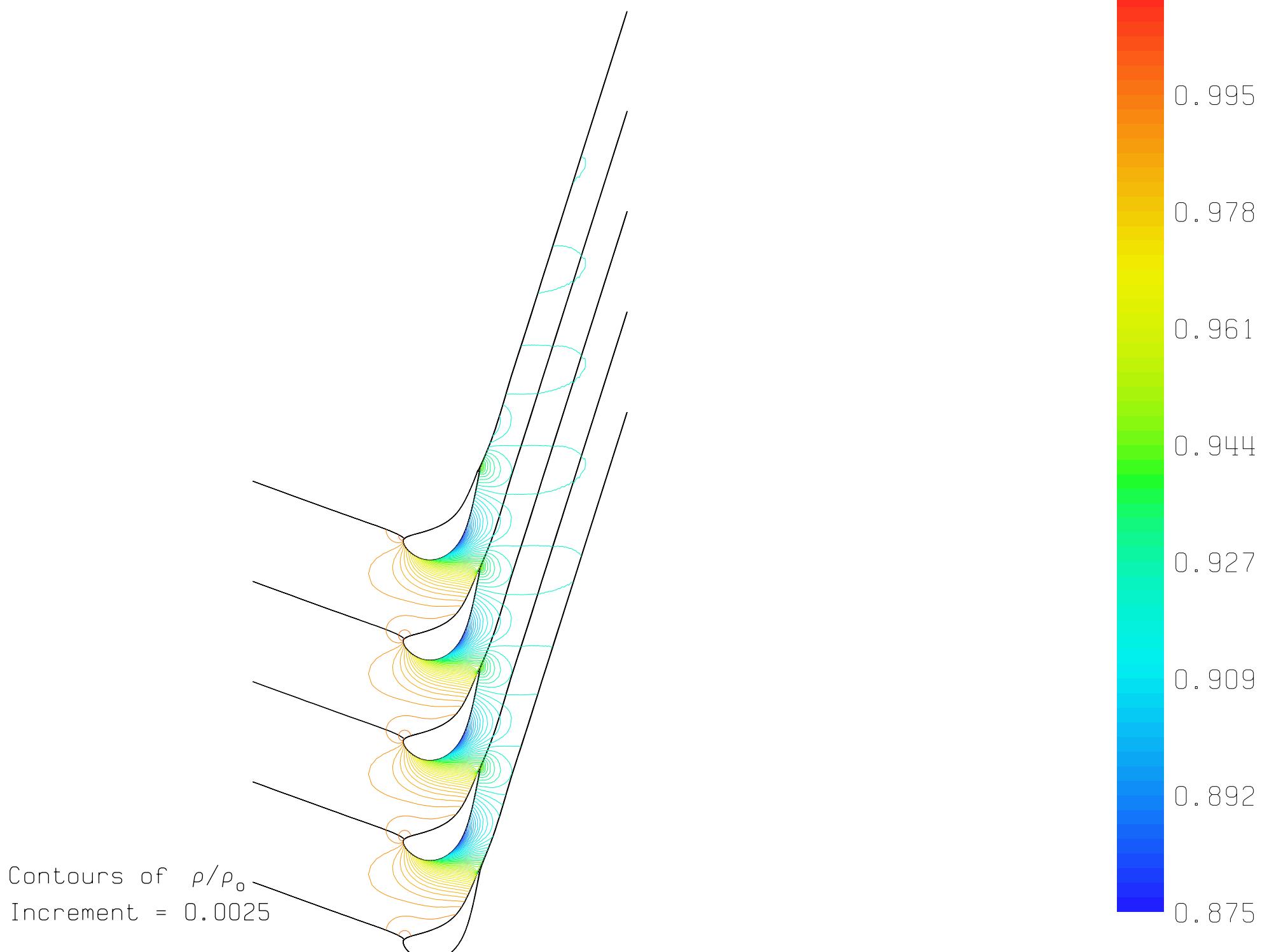




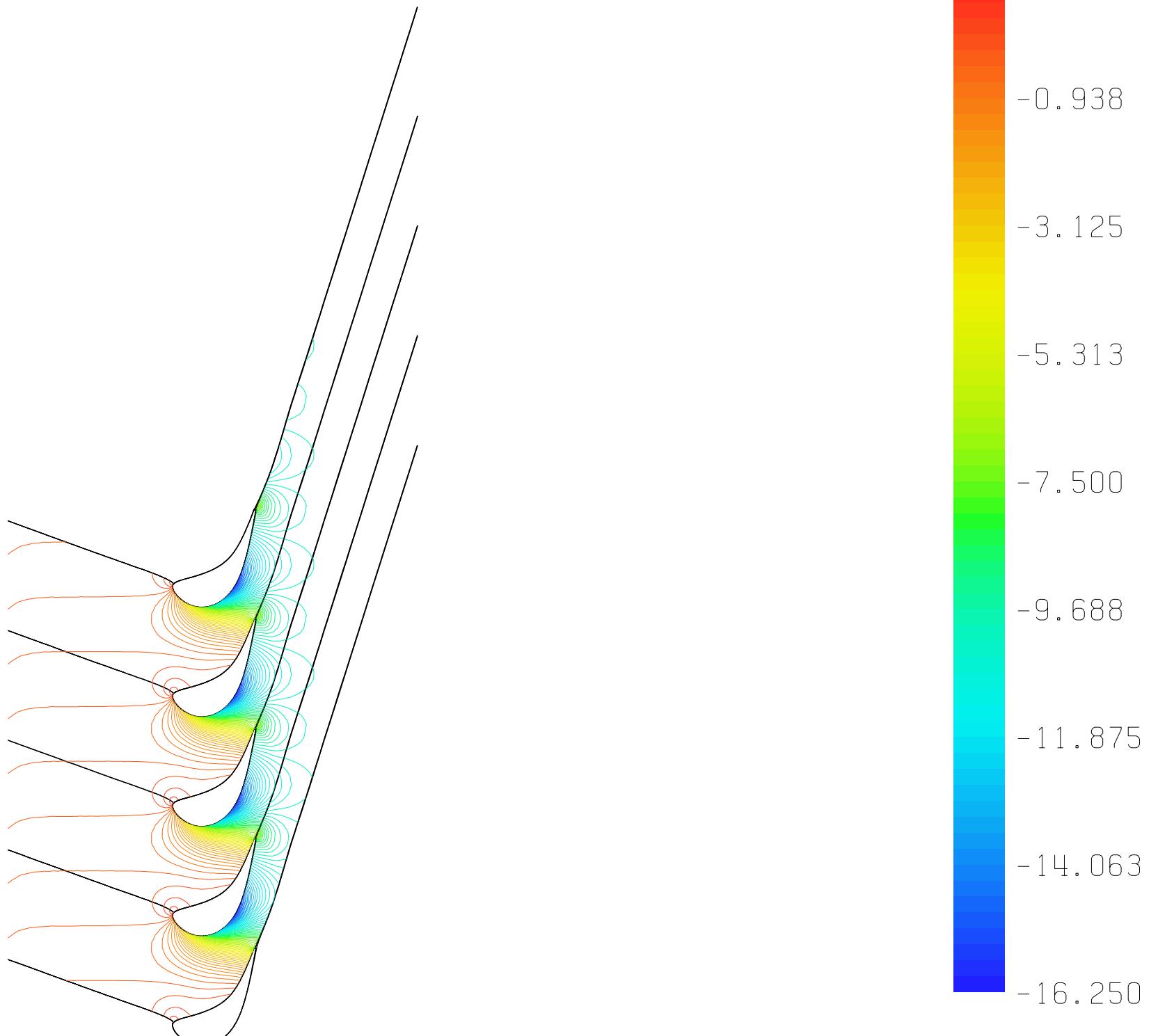








Contours of C_p
Increment = 0.25



Contours of ΔC_{p_0}
Increment = 0.0000010

