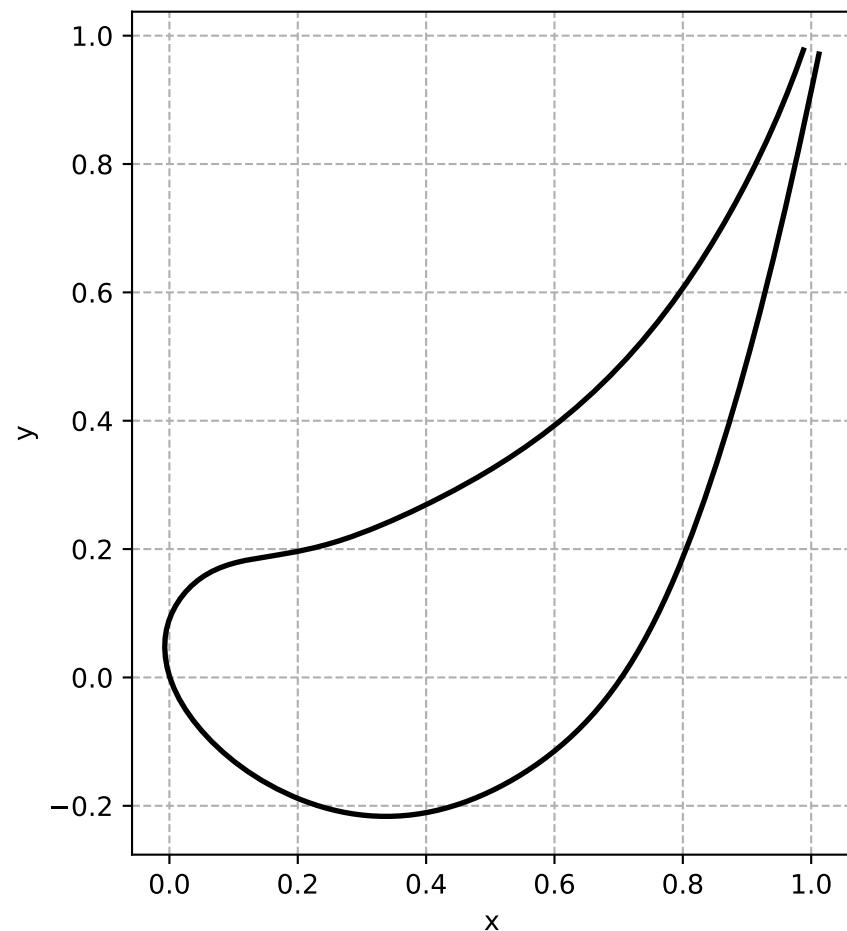
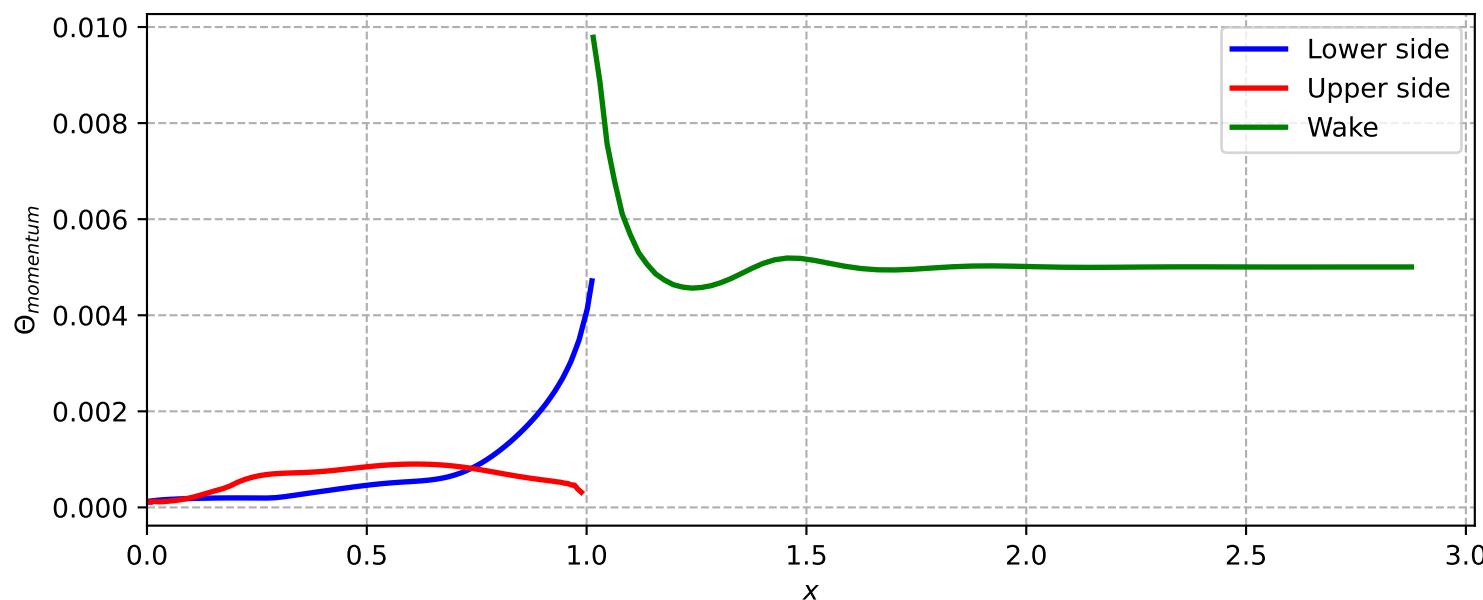
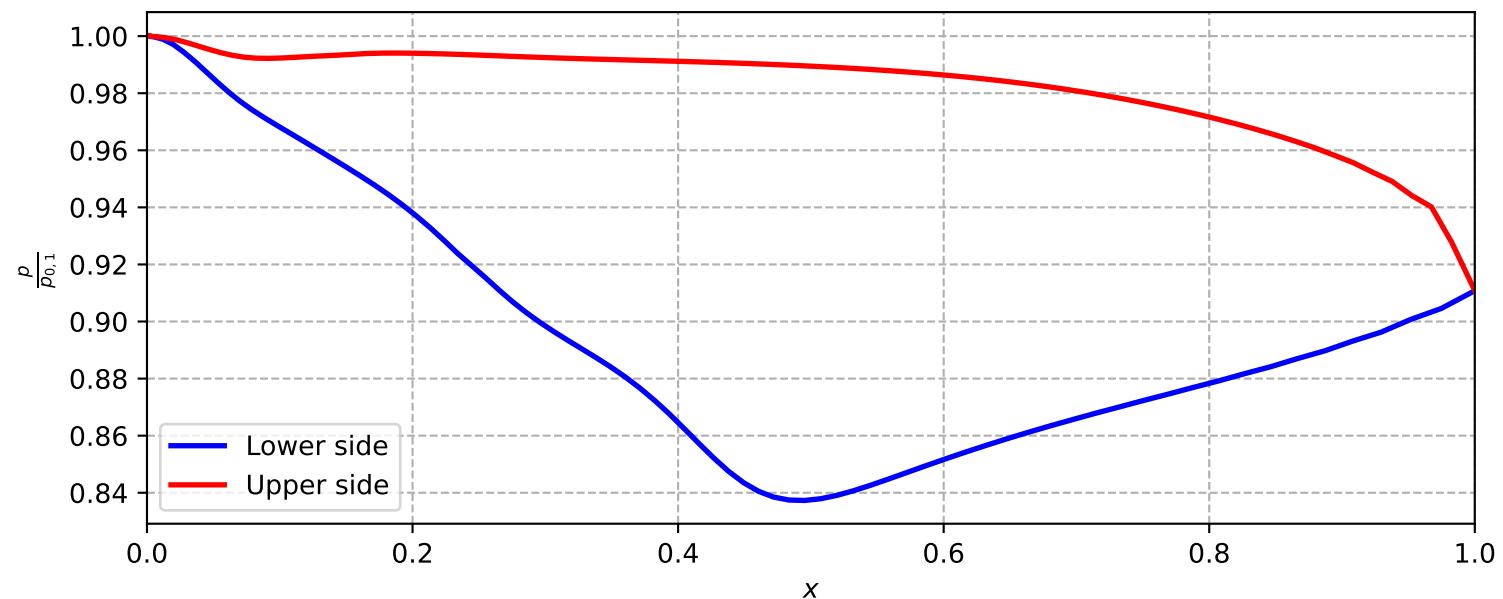
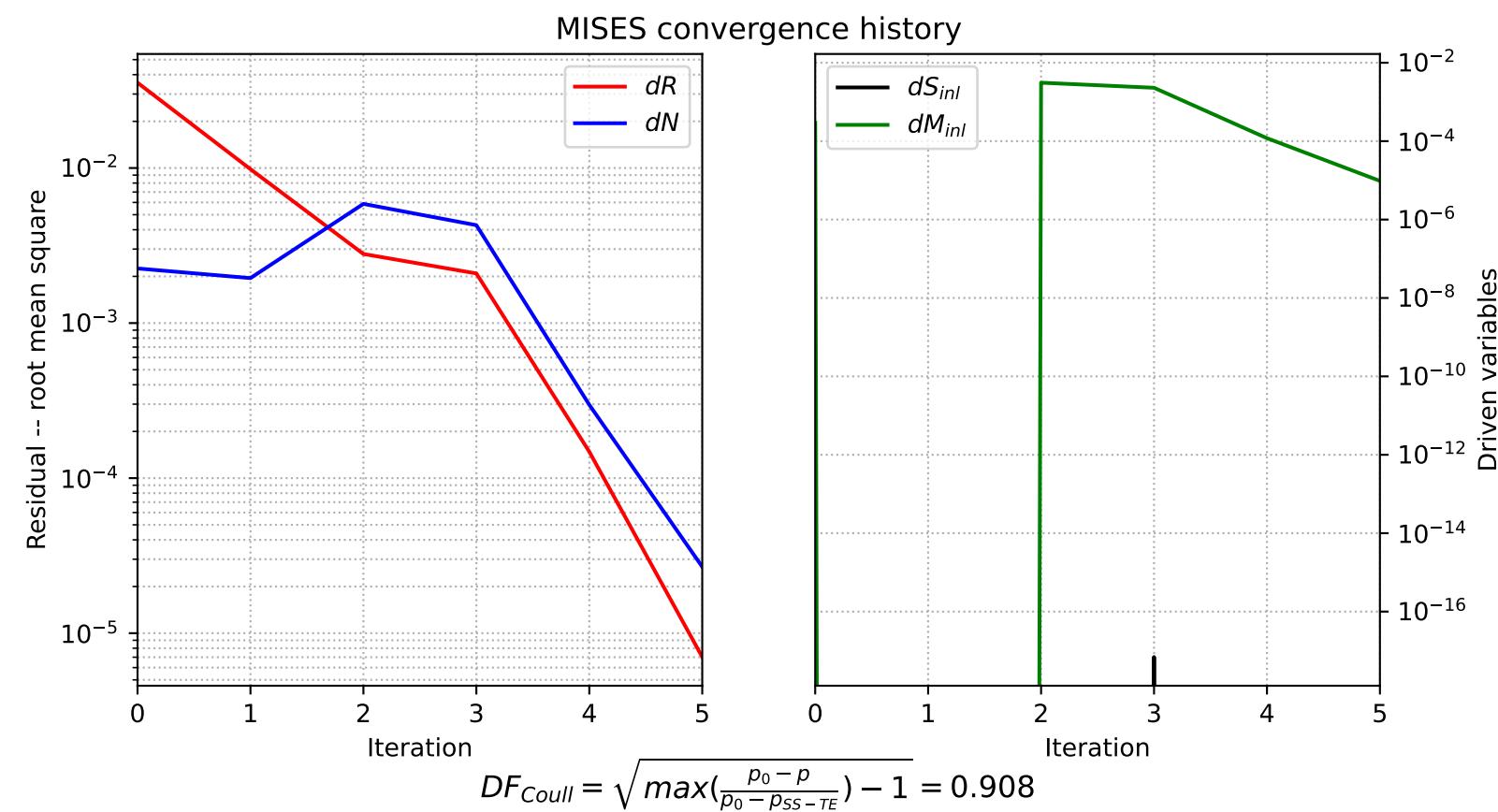
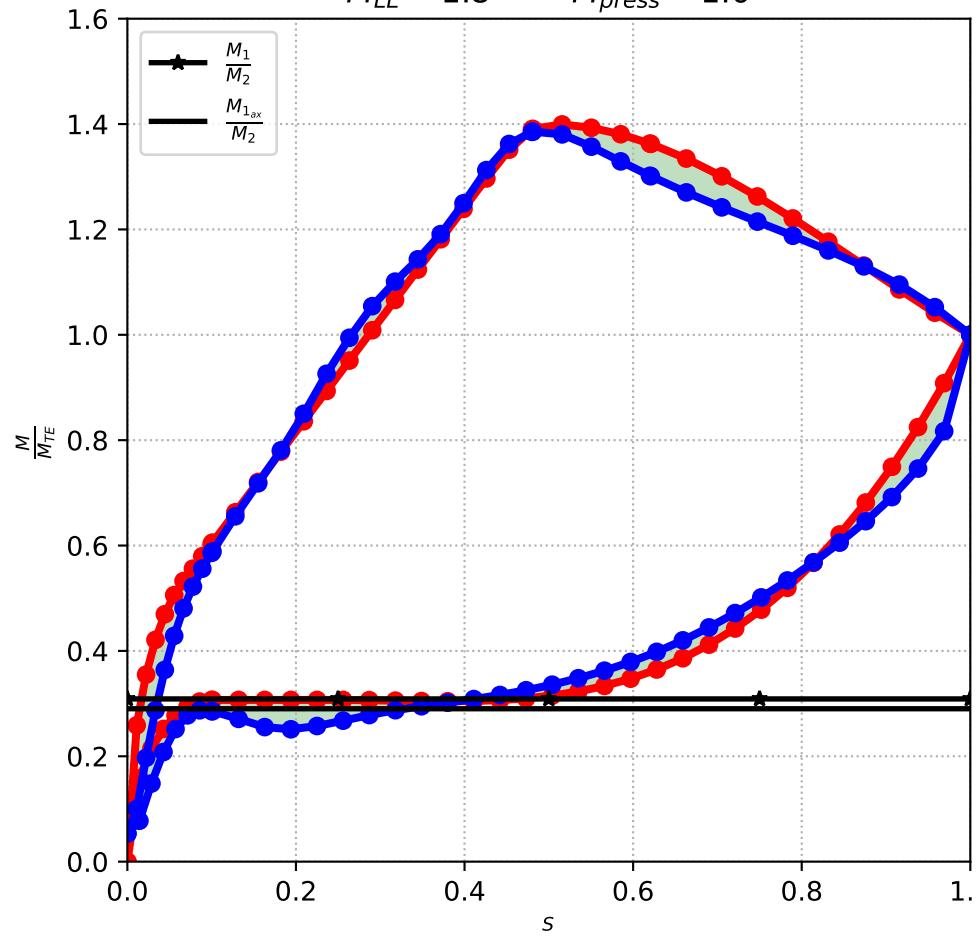


#0111 NAME: VKIblade  
 $\alpha_1 = -20.000^\circ$   $\alpha_2 = \text{KUTTA CONDITION}$   
CHINL = 2.000 CHOUT = 2.000  
PITCH = 1.333  $\beta = 45.000^\circ$   
 $R_{LE} = 0.131$   $\zeta_{TE} = 0.025$

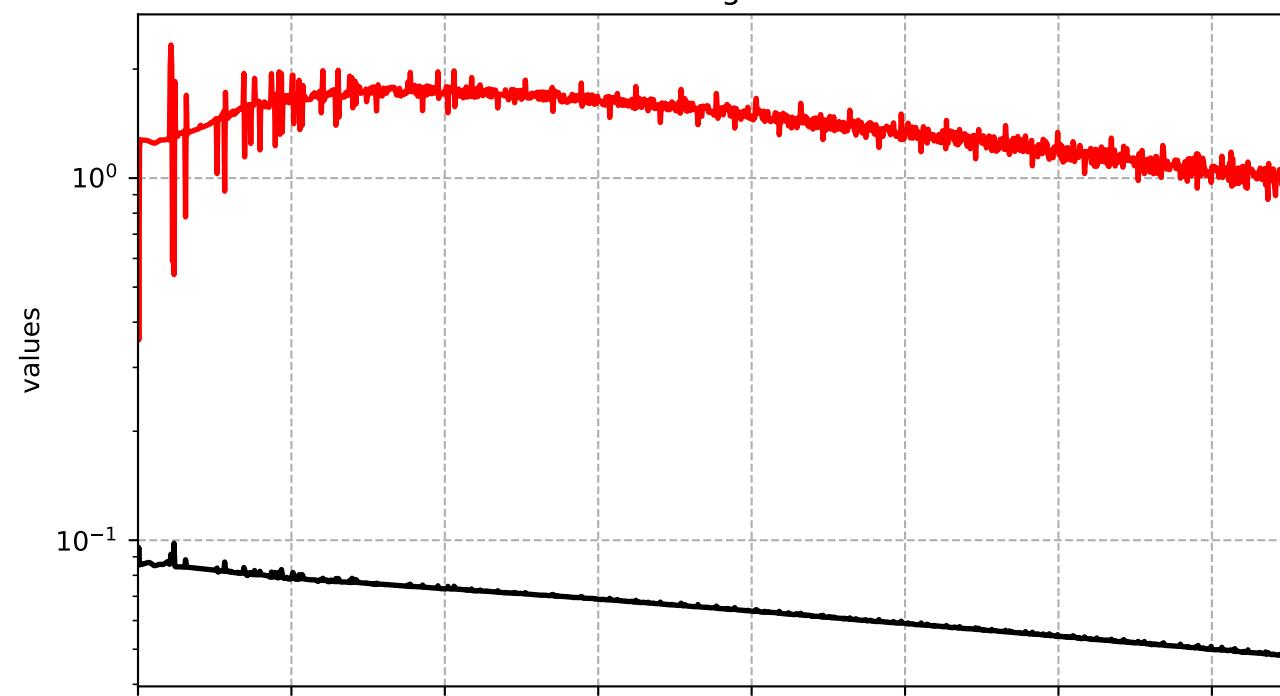


$RMSE = 4.820E - 02$   
 $RMSE_{PS} = 3.891E - 02$        $RMSE_{SS} = 5.560E - 02$   
 $\alpha_2, \text{target} = 72.50^\circ$        $\Delta\alpha_2 = 0.98^\circ$        $\alpha_2, \text{real} = 71.52^\circ$   
 $M_{peak} = 1.4$        $L_{peak} = 0.5$   
 $M_{LE} = 1.8$        $M_{press} = 1.0$

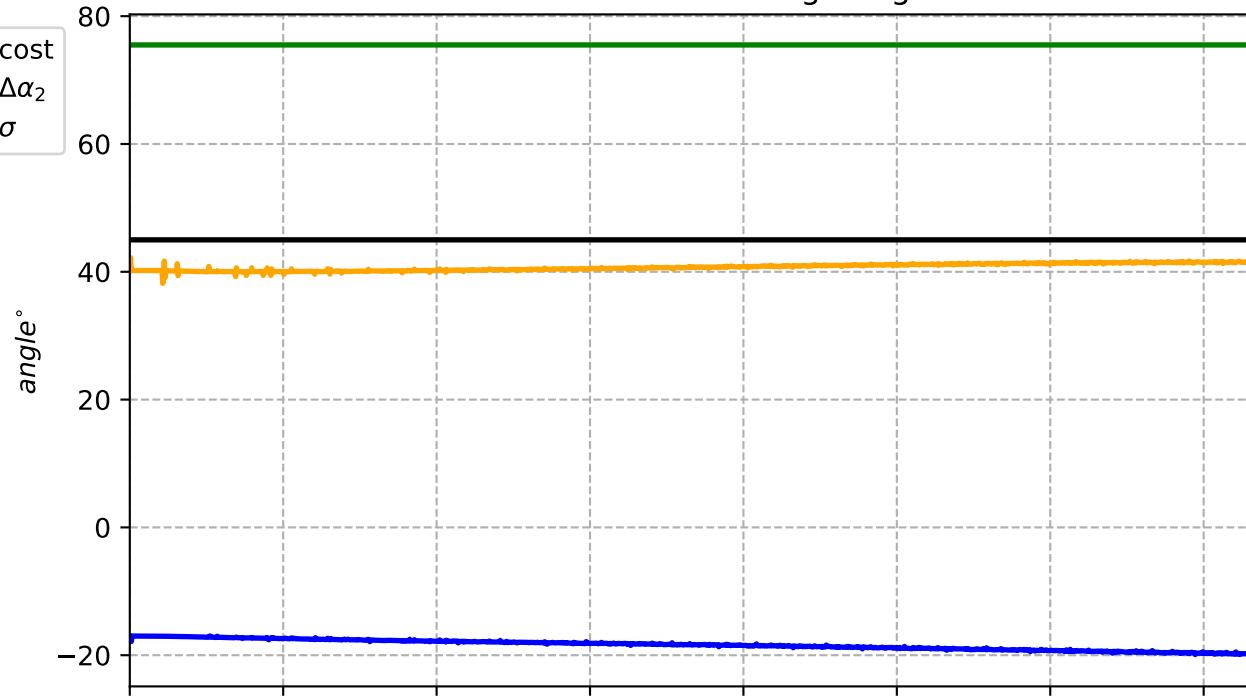


Optimization: 1  
Method: Nelder-Mead

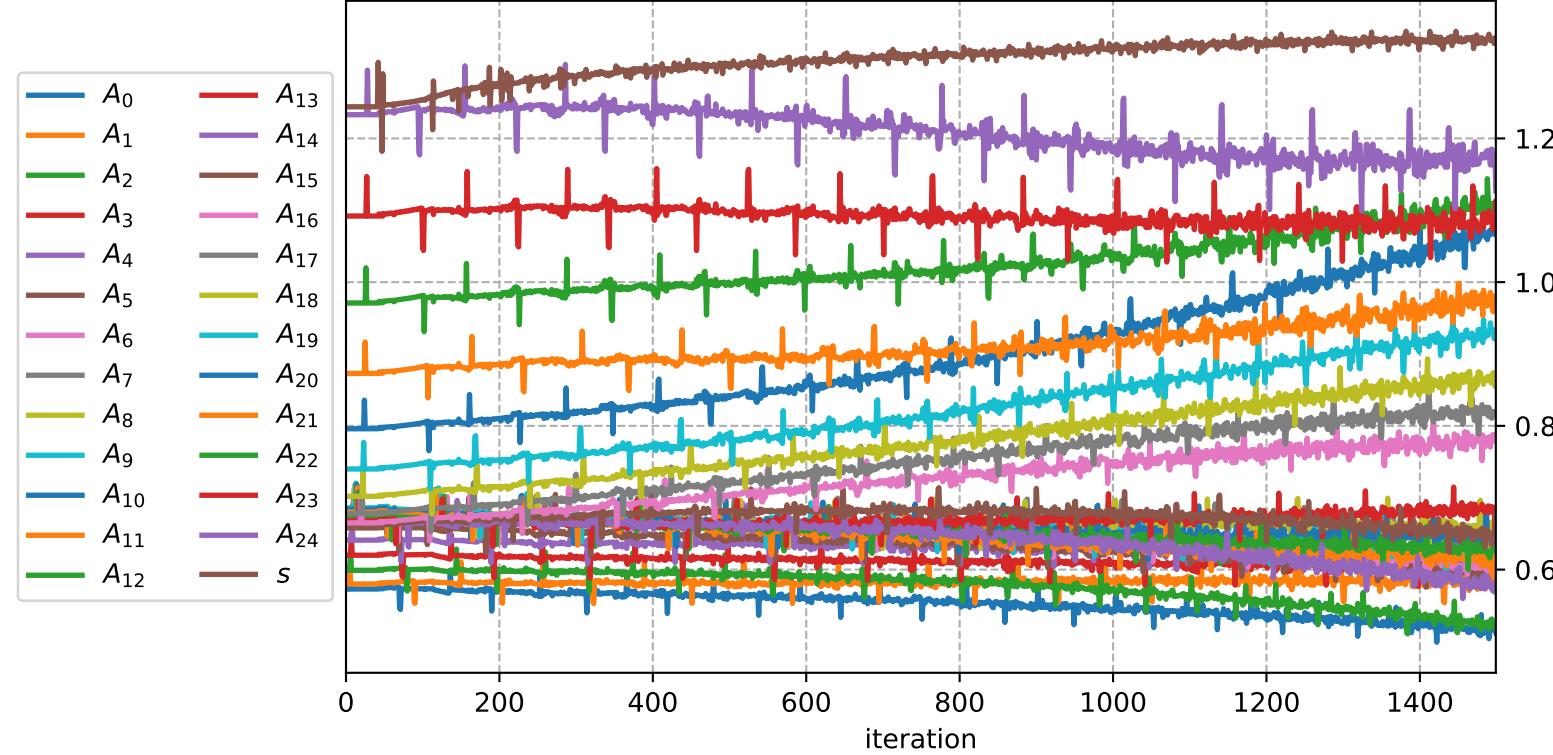
Convergence



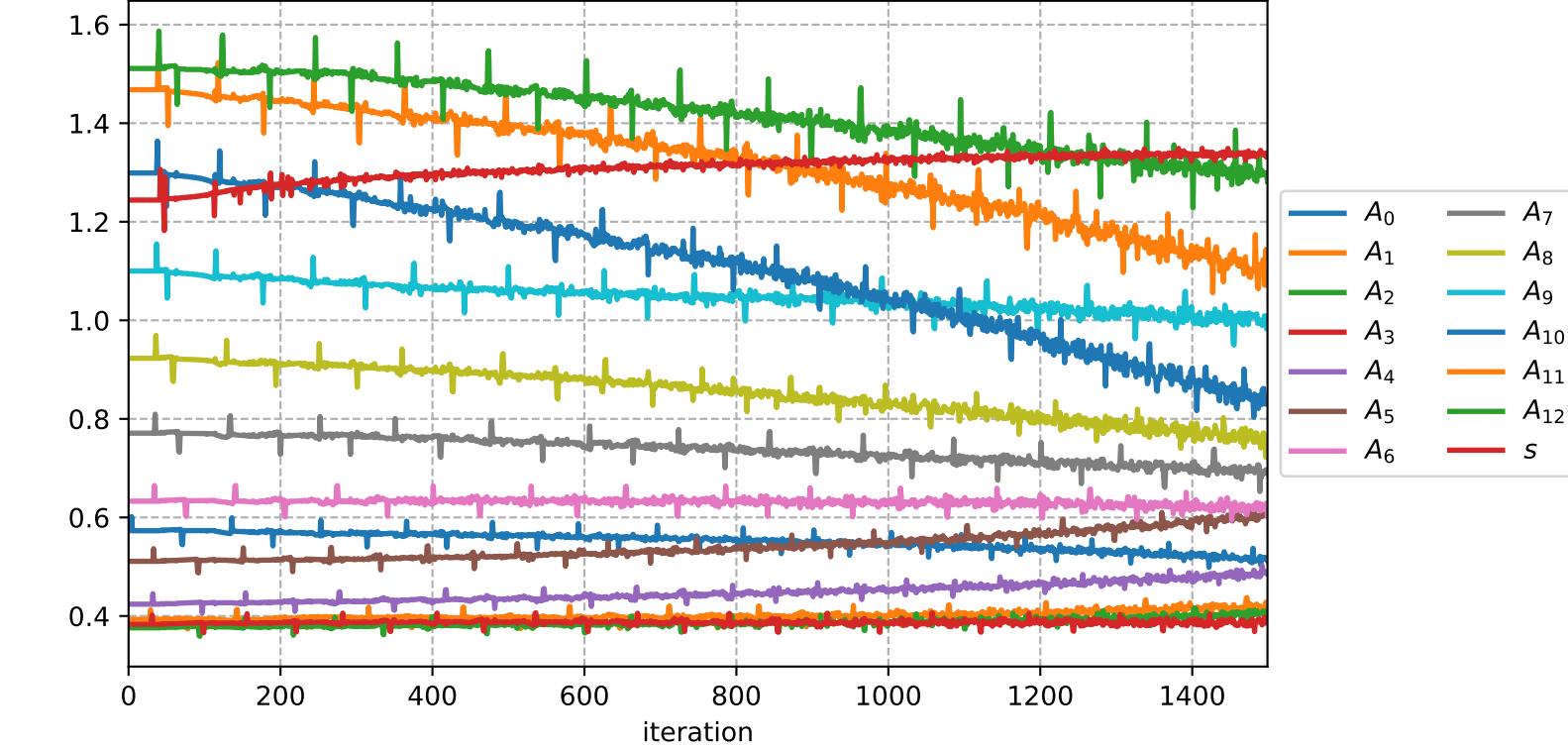
Camberline and wedge angle

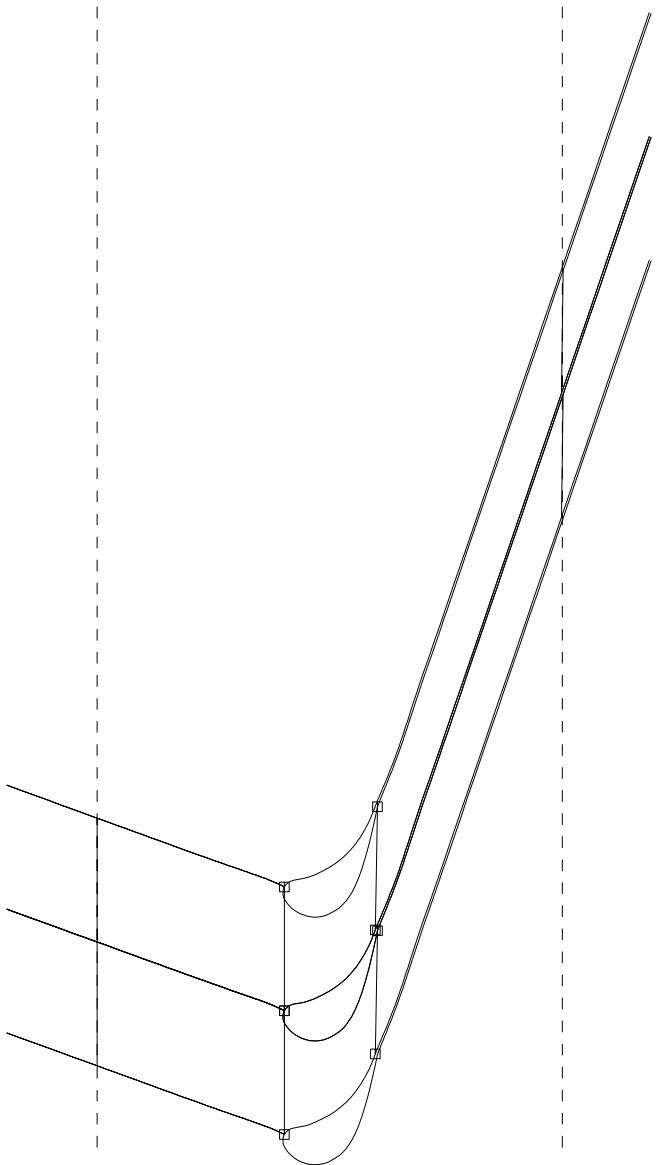


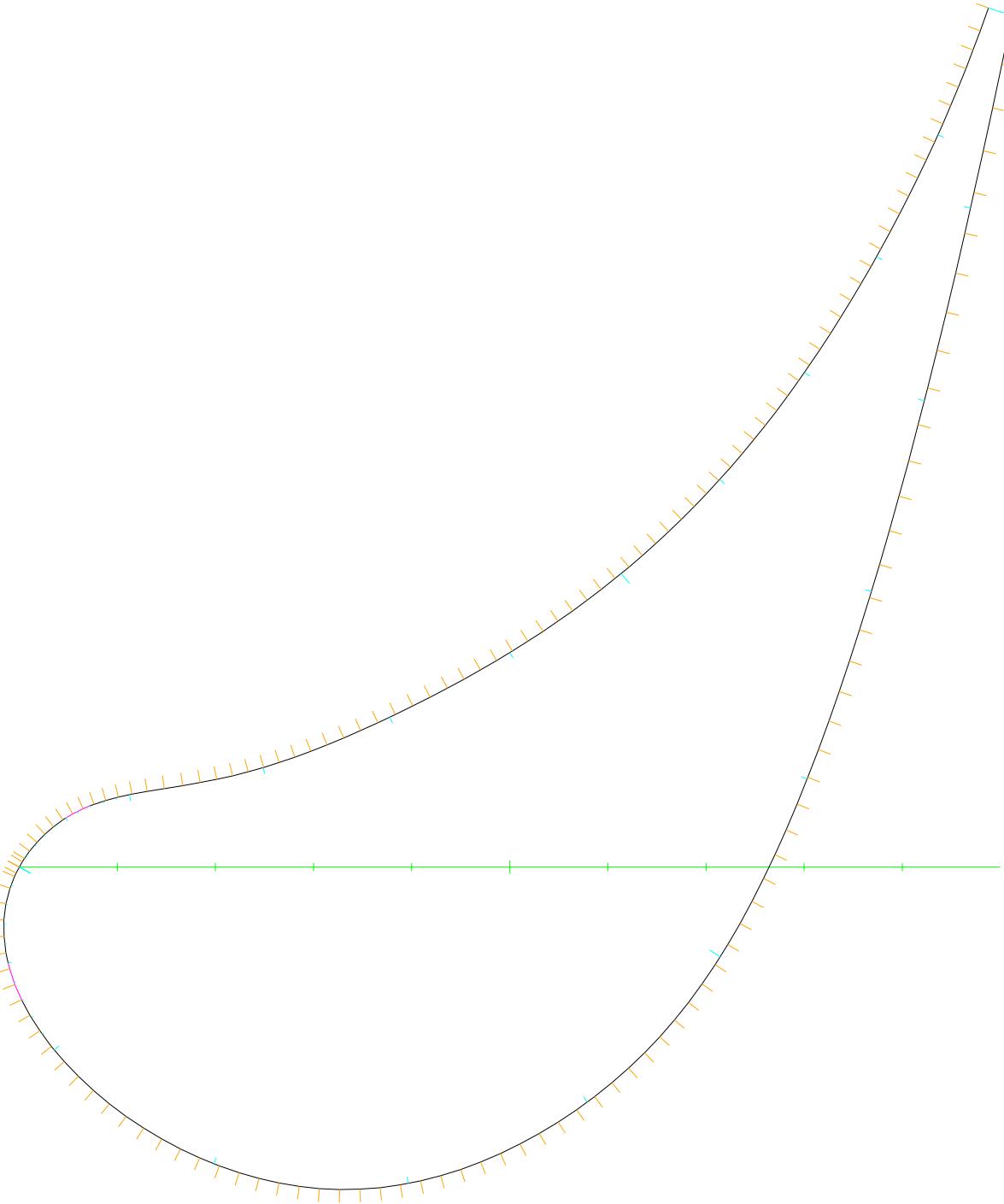
Suction side

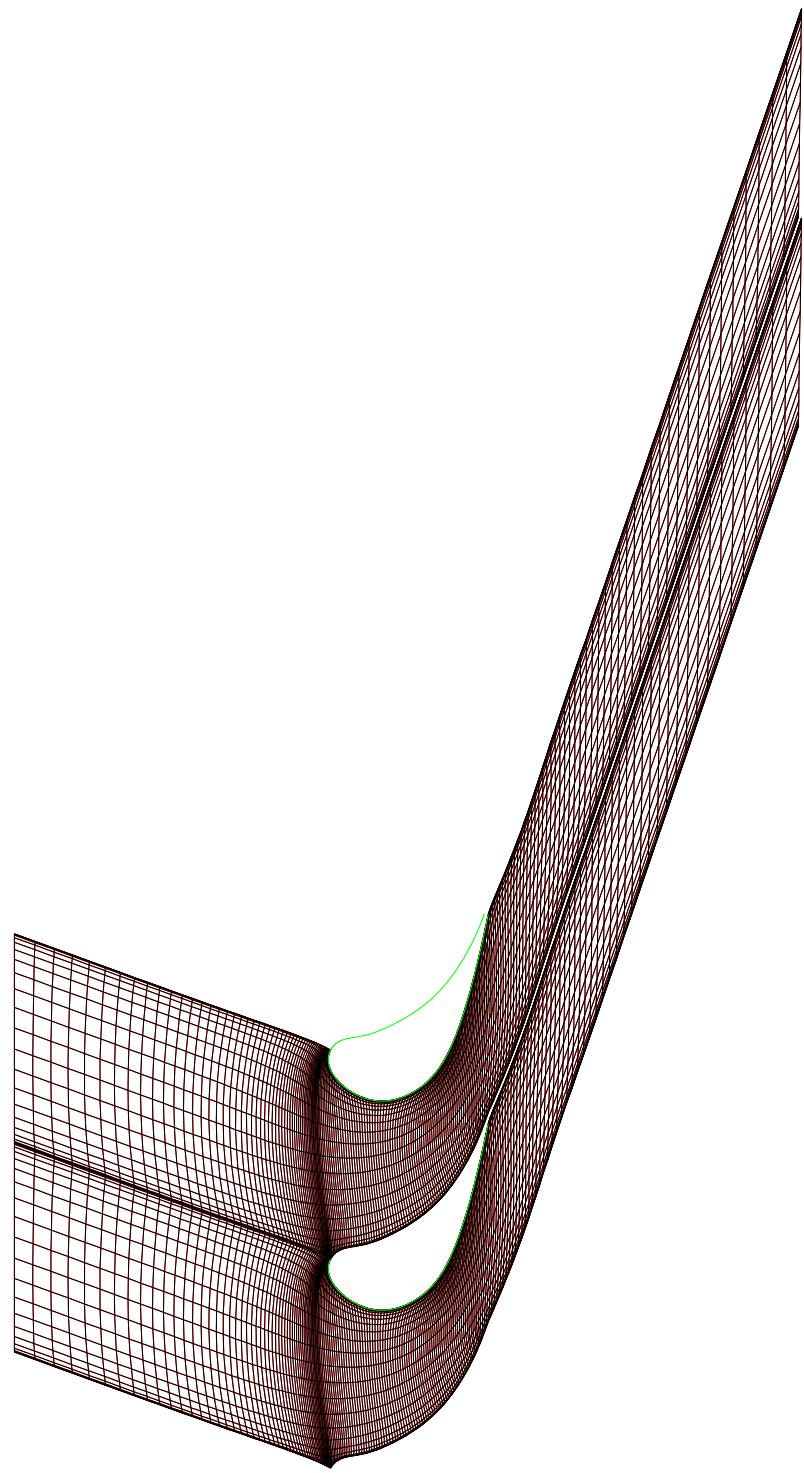


Pressure side



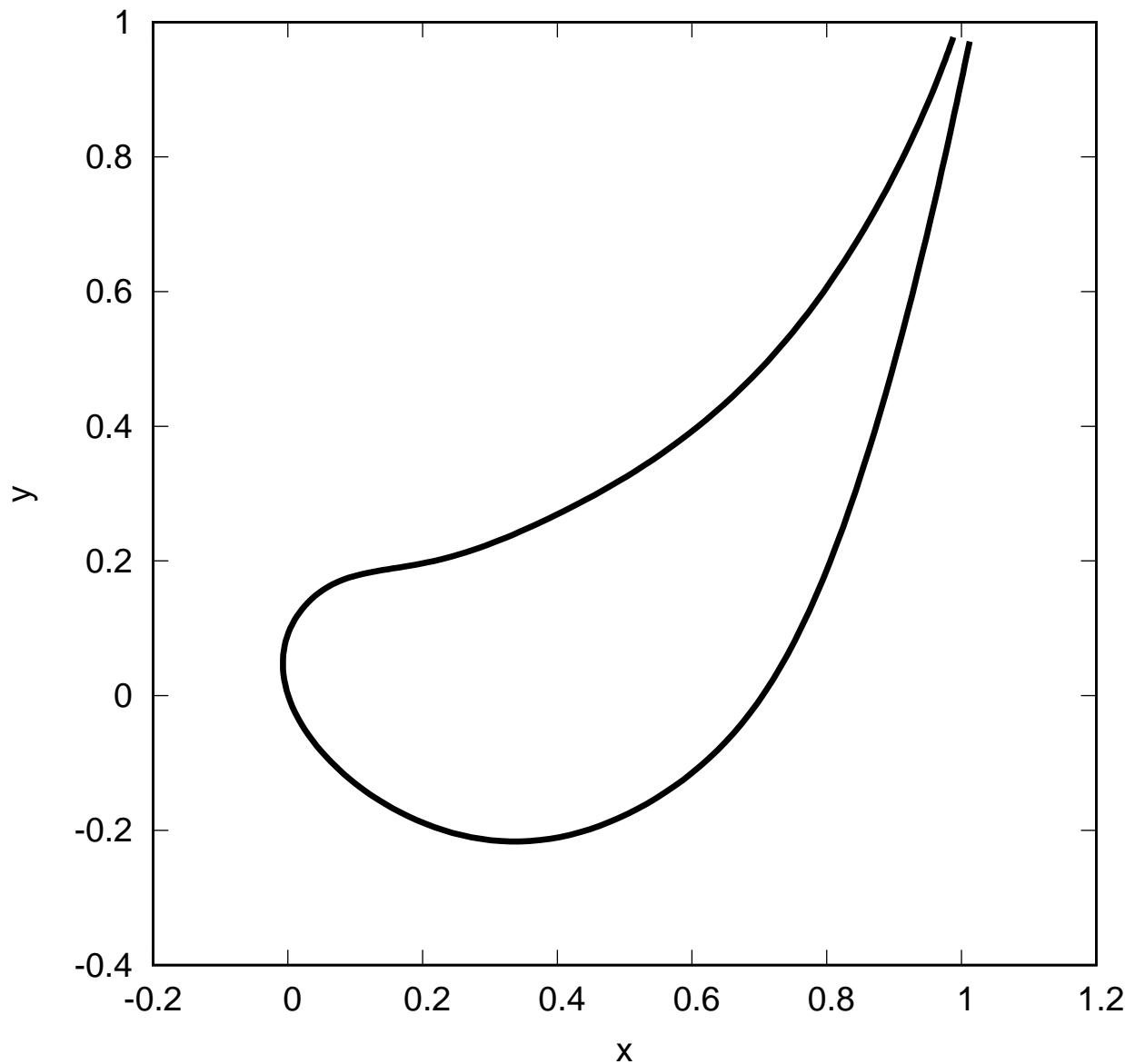






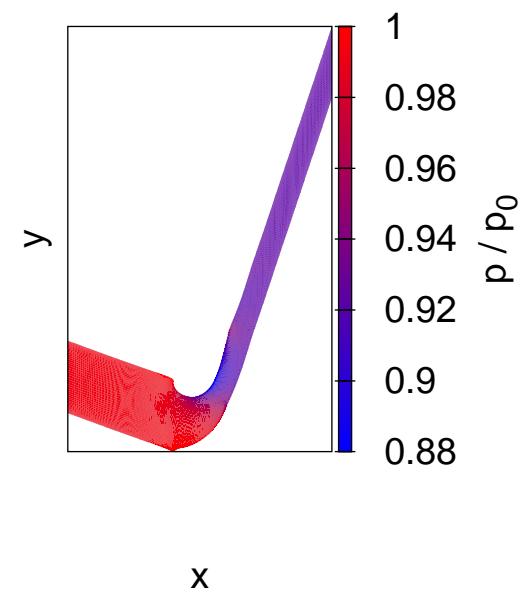
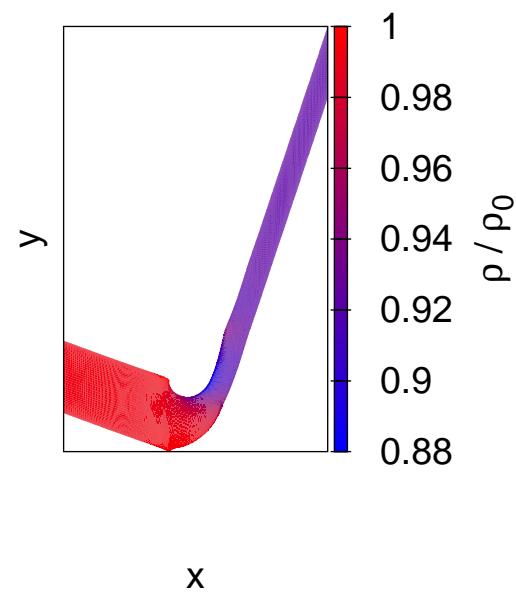
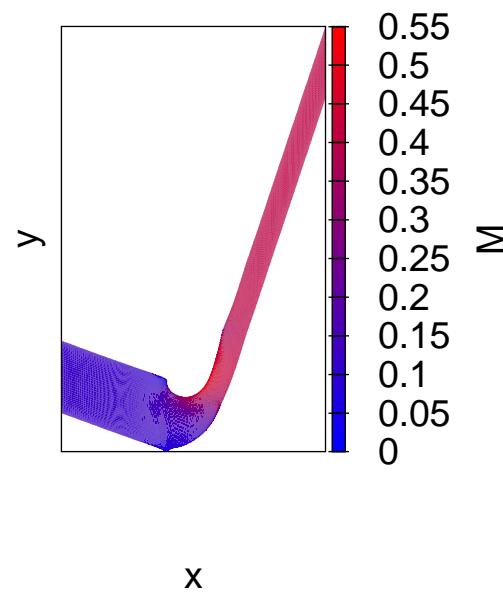
$\alpha_1 = -20.0^\circ \parallel \alpha_2 = 72.5^\circ \parallel M_2 = 0.4 \parallel s = 1.333 \parallel Re = 600000.0$

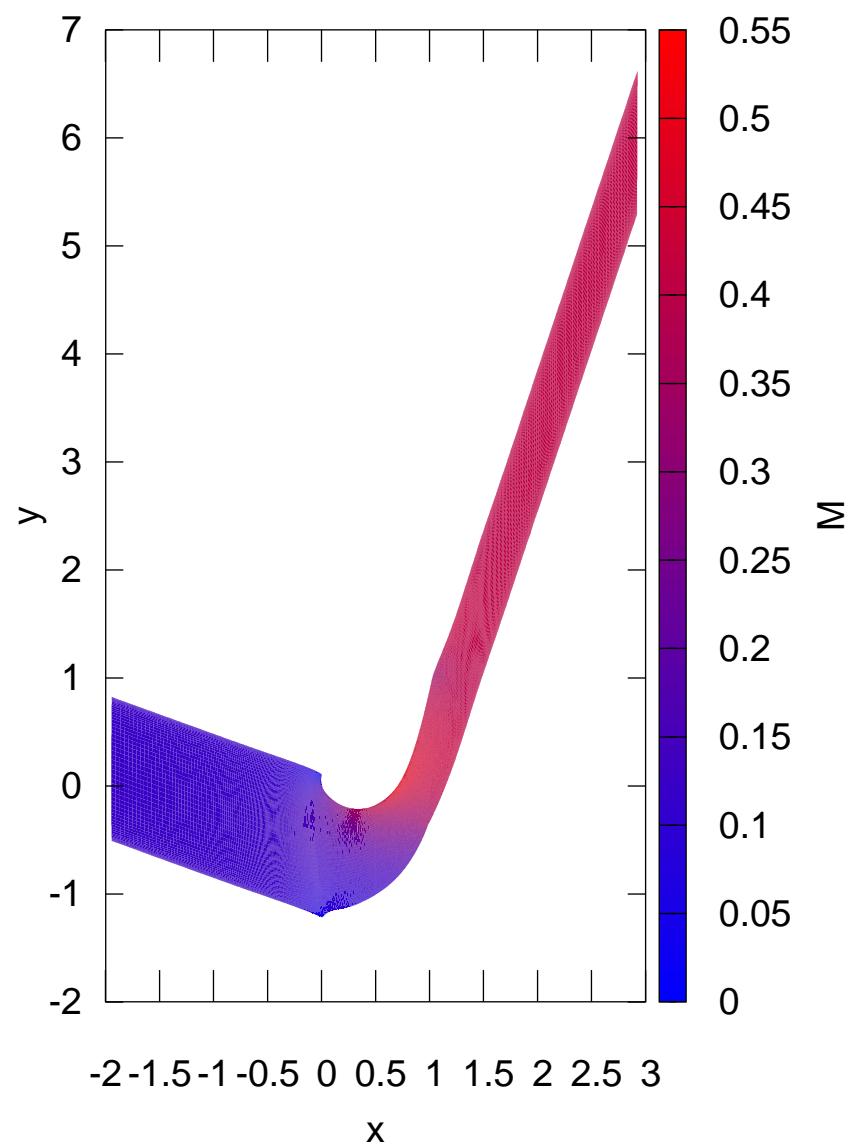
$M_{LE} = 1.8 \parallel M_{PEAK} = 1.4 \parallel L_{PEAK} = 0.5 \parallel M_{PRESS} = 1.0$

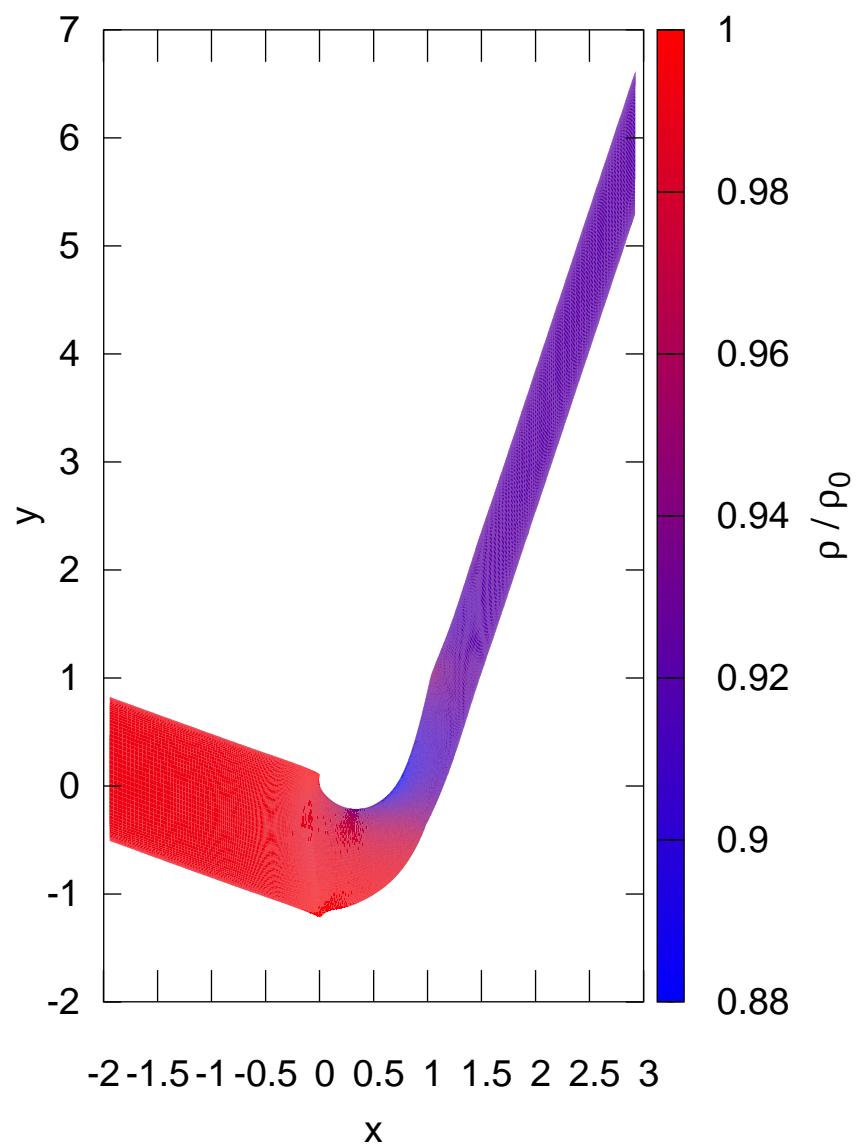


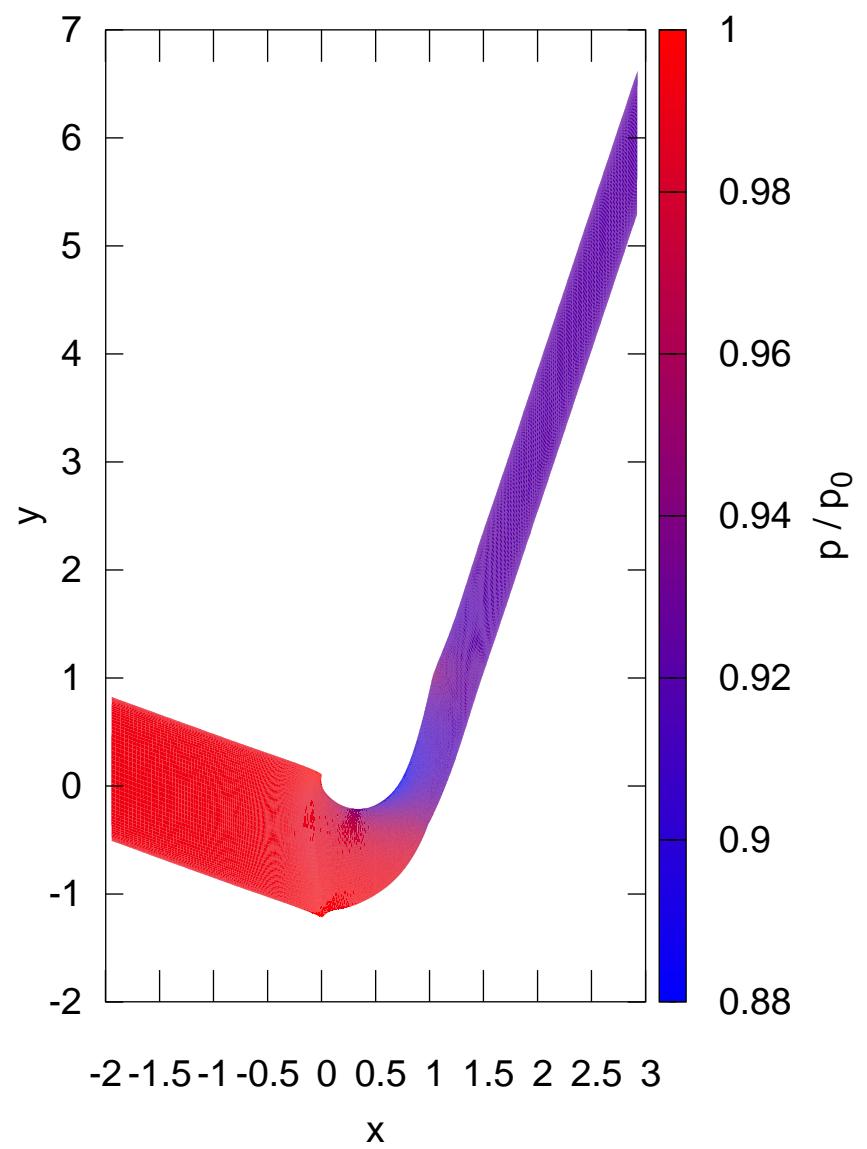
$$\alpha_1 = -20.0^\circ \parallel \alpha_2 = 72.5^\circ \parallel M_2 = 0.4 \parallel s = 1.333 \parallel Re = 600000.0$$

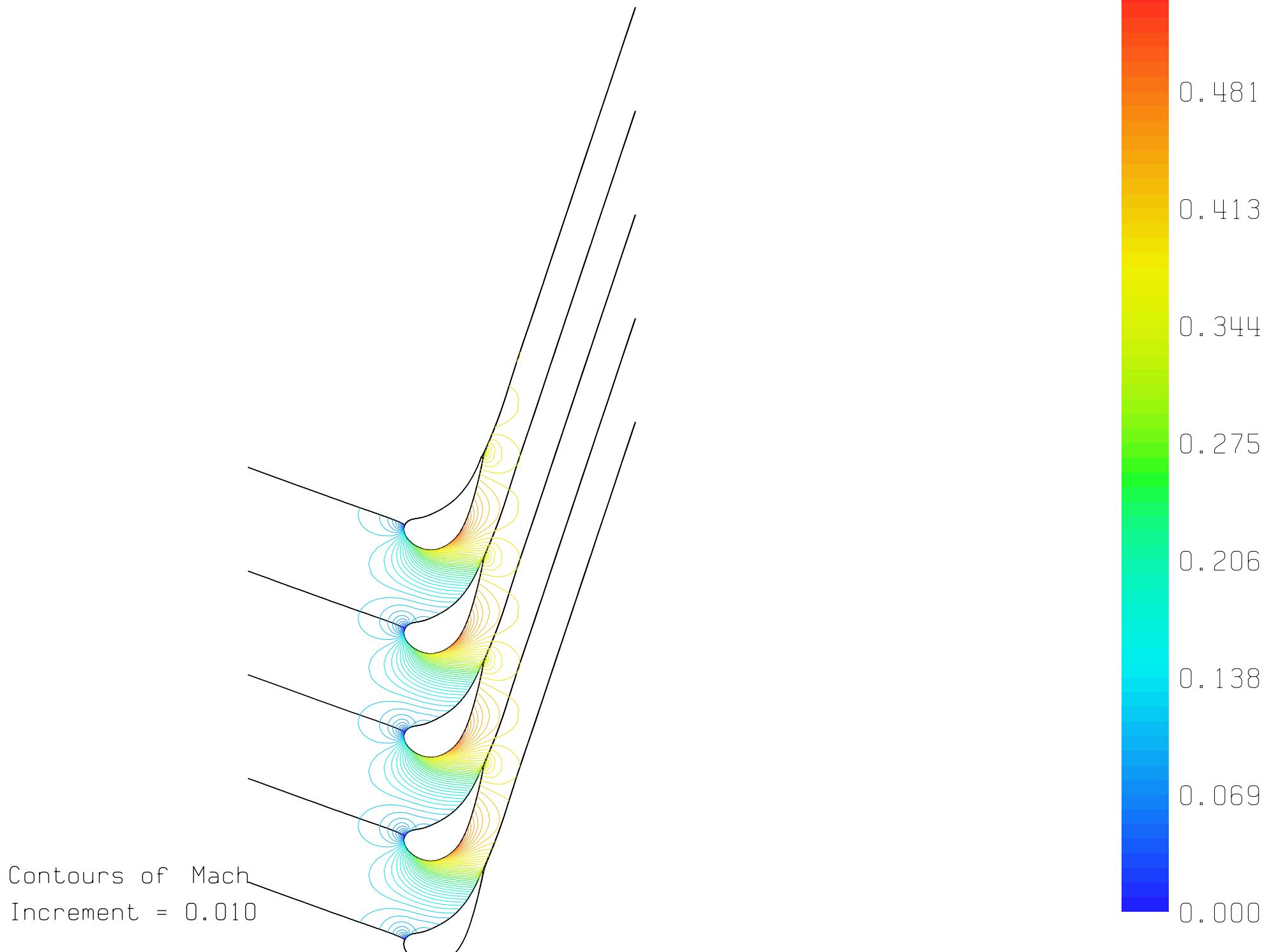
$$M_{LE} = 1.8 \parallel M_{PEAK} = 1.4 \parallel L_{PEAK} = 0.5 \parallel M_{PRESS} = 1.0$$

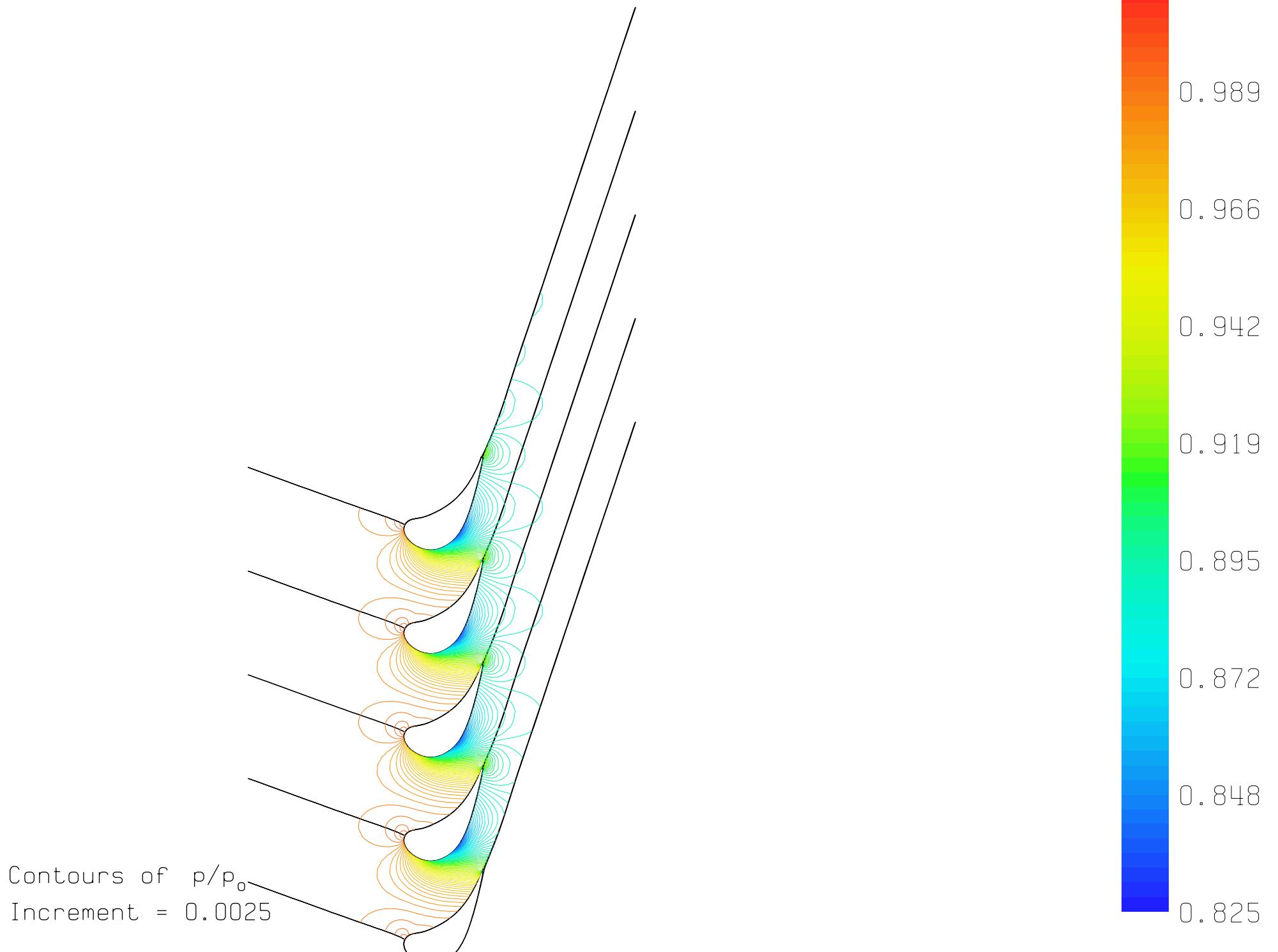




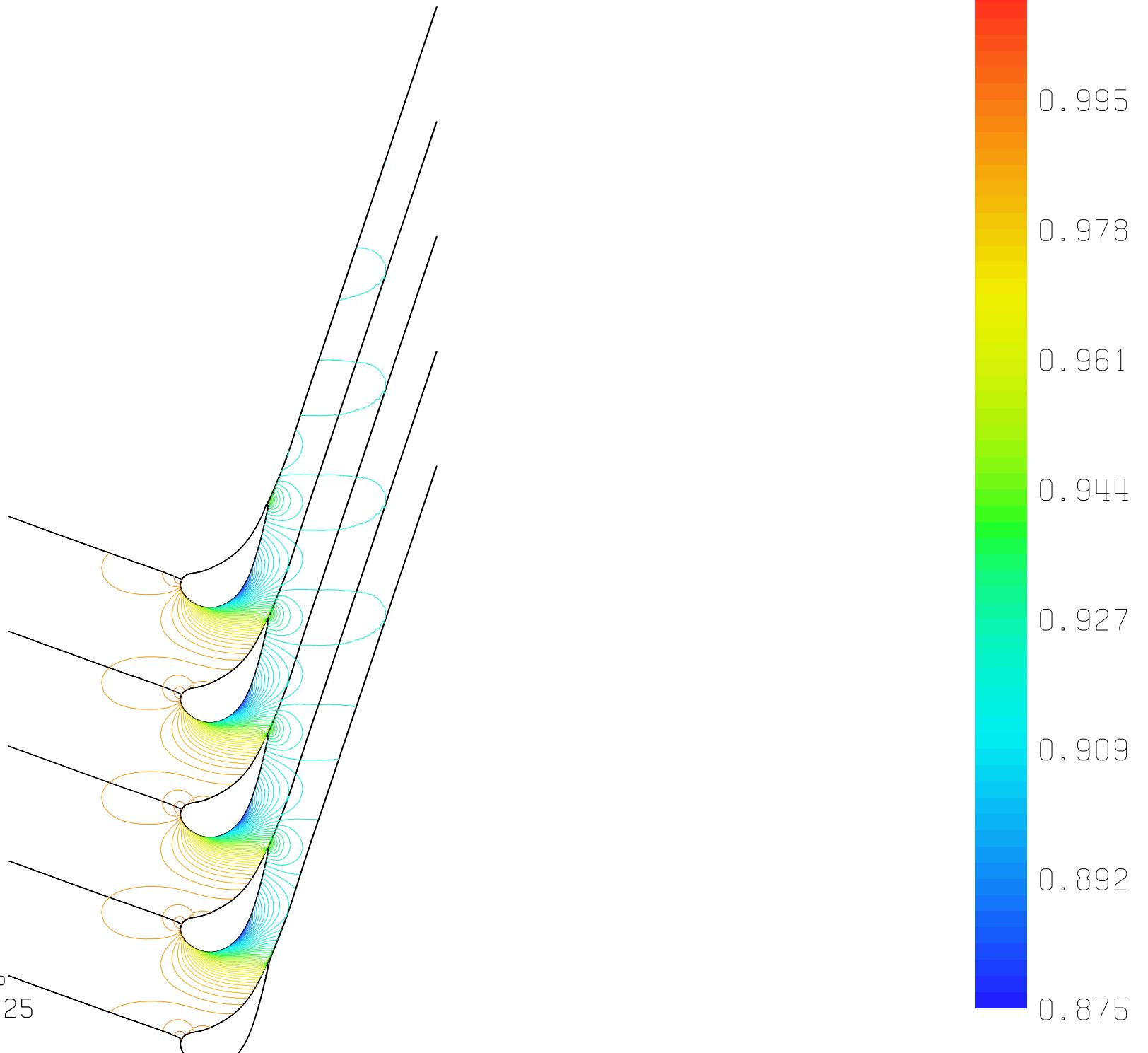




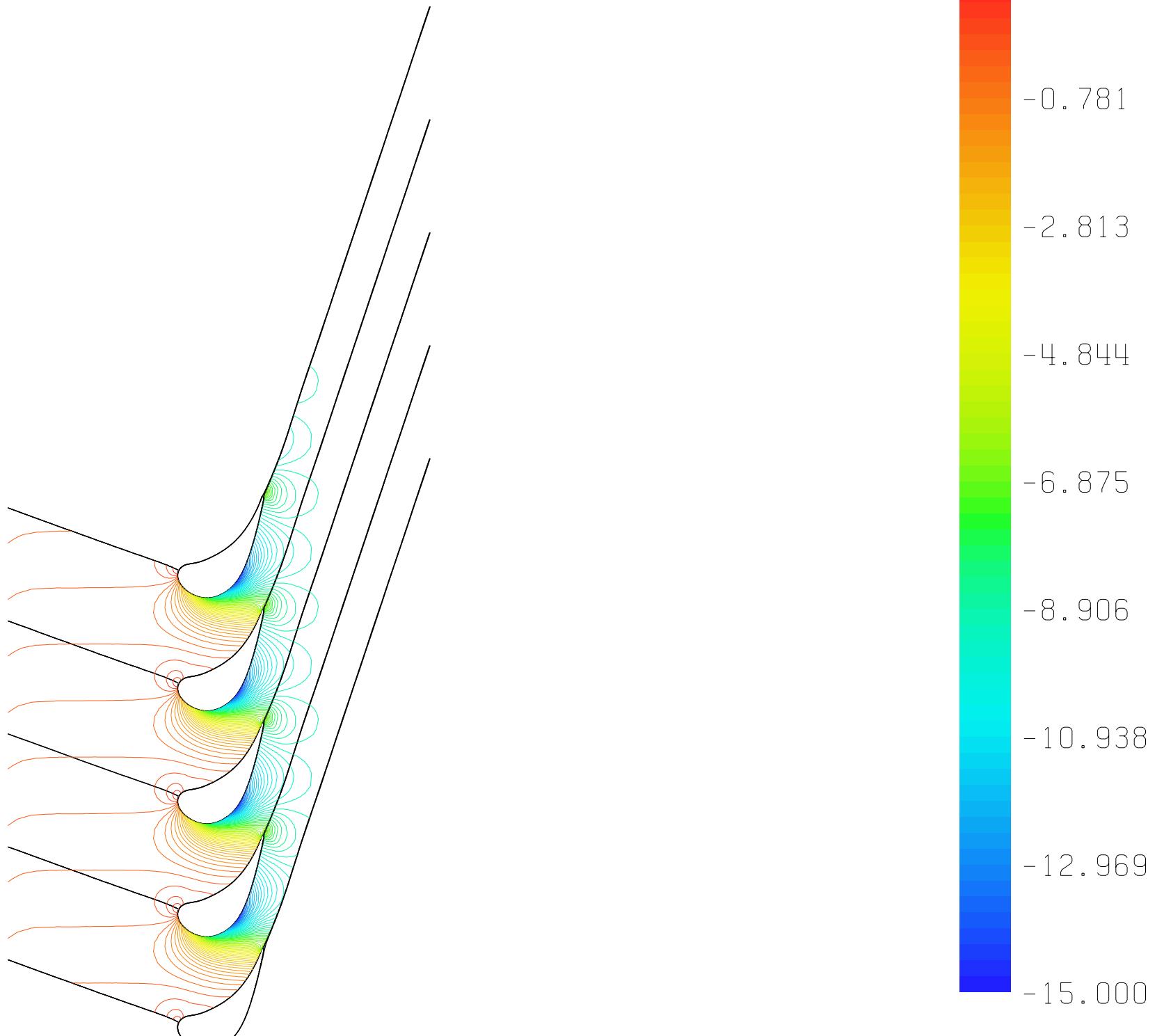




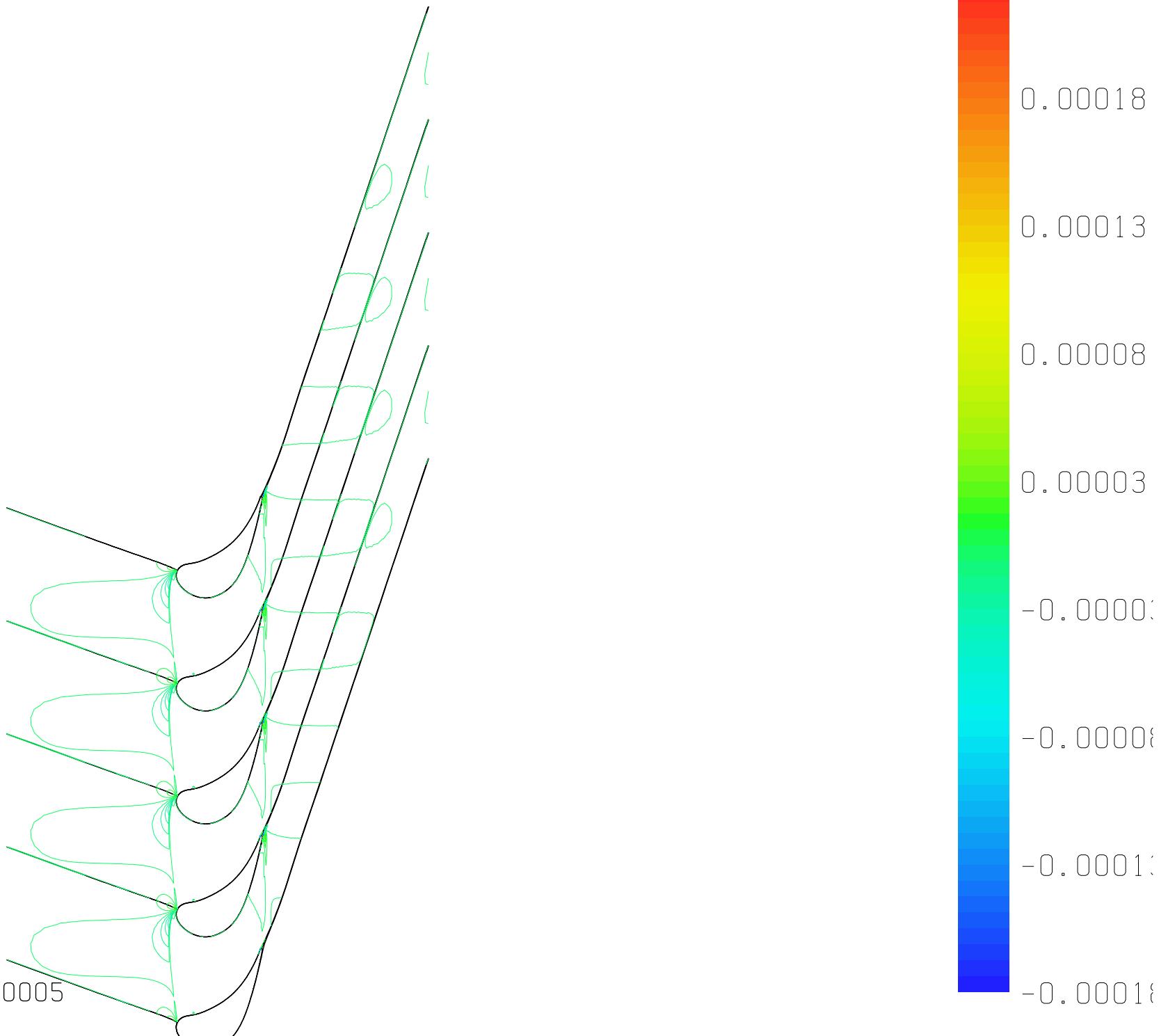
Contours of  $\rho/\rho_0$   
Increment = 0.0025



Contours of  $C_p$   
Increment = 0.25



Contours of  $\Delta C_{p_0}$   
Increment = 0.000005



Contours of  $\Delta p_0 / p_0$   
Increment = 0.00000005

