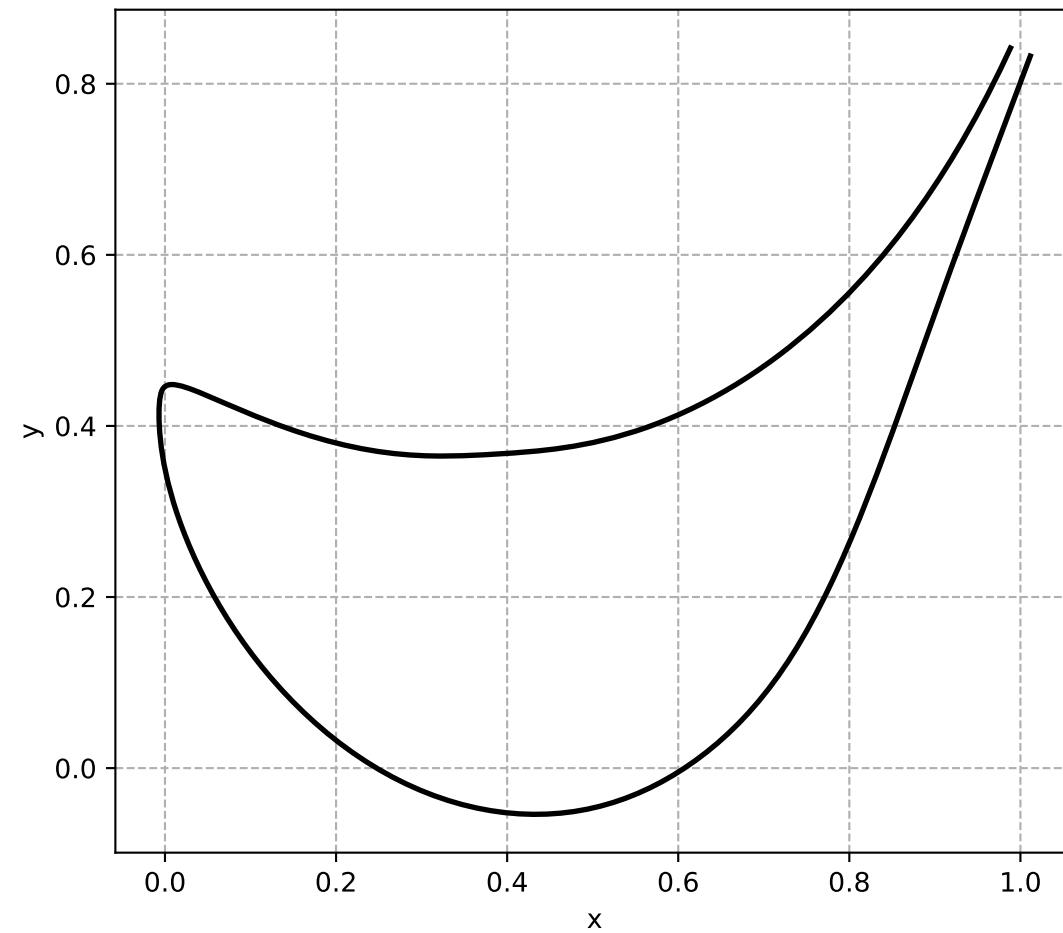
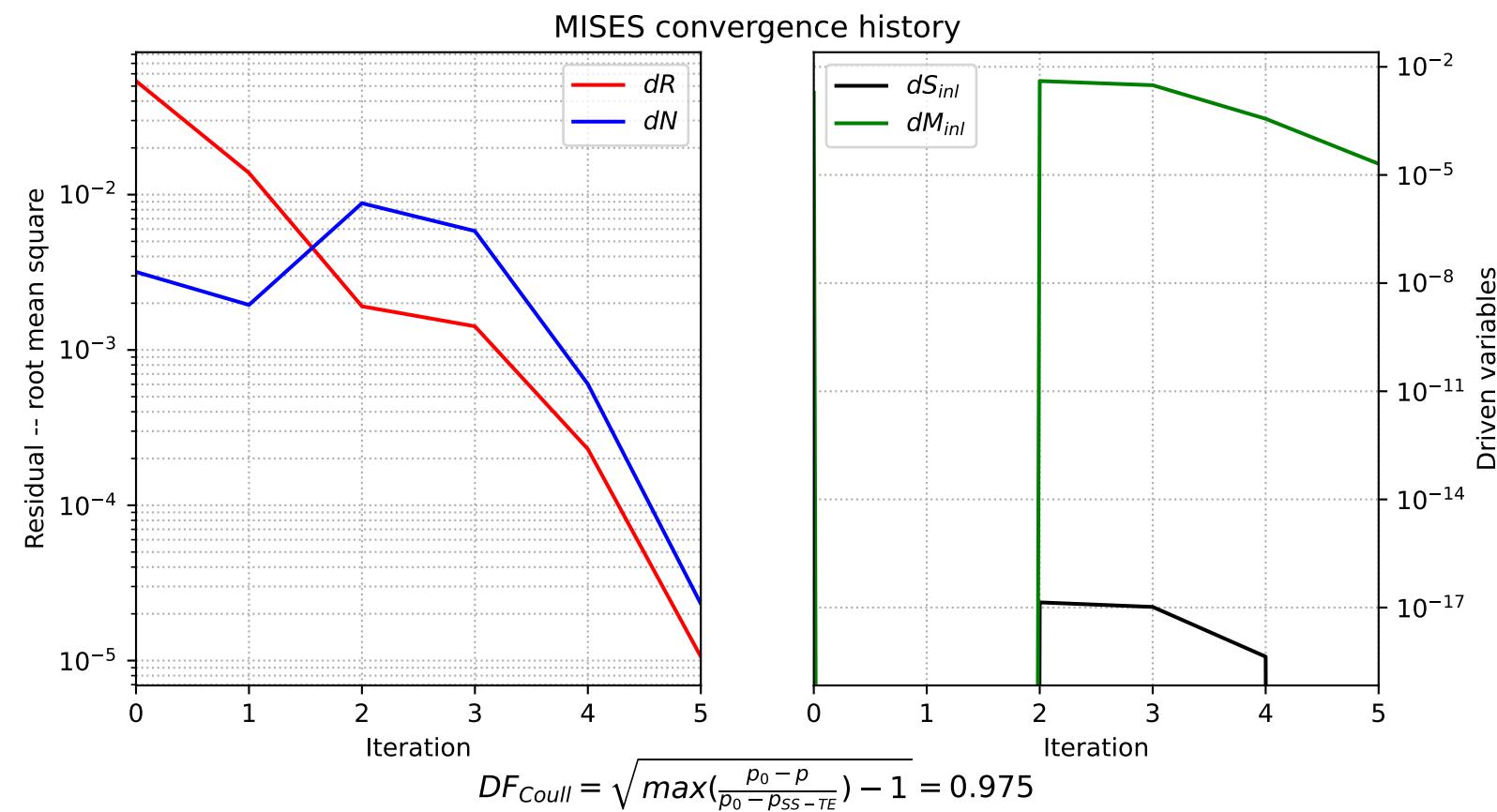
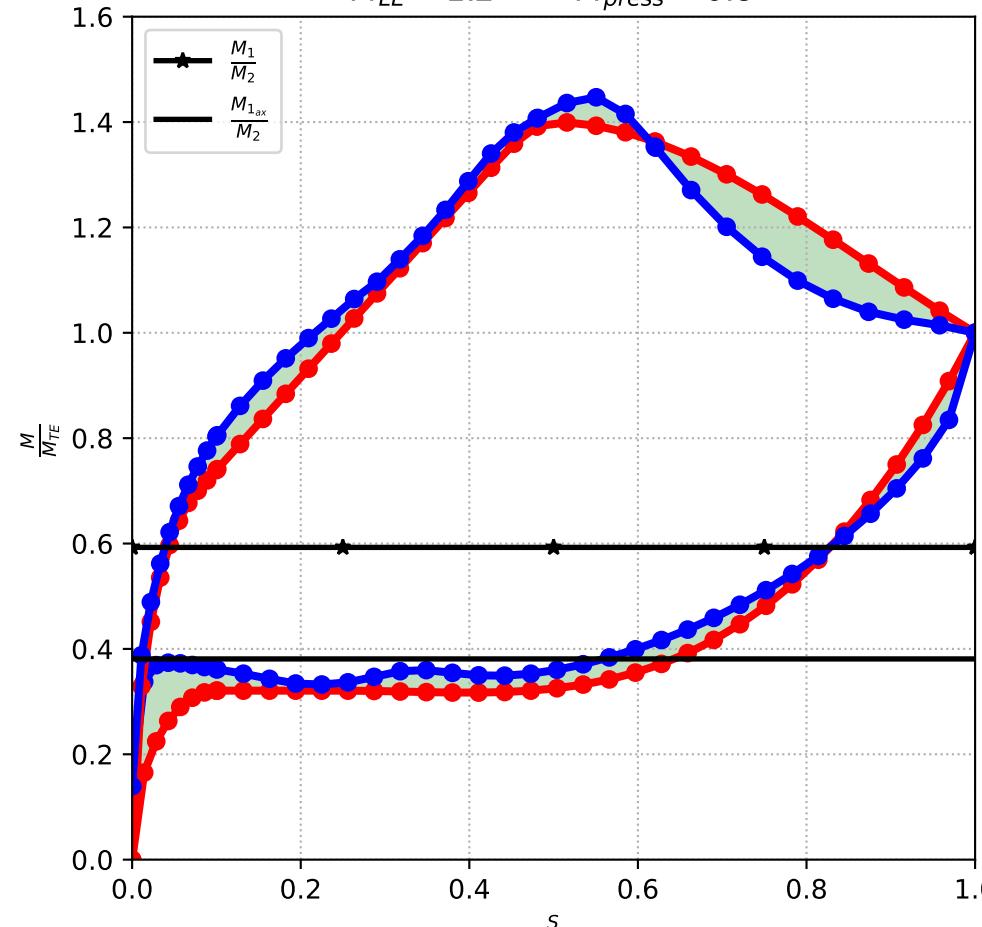


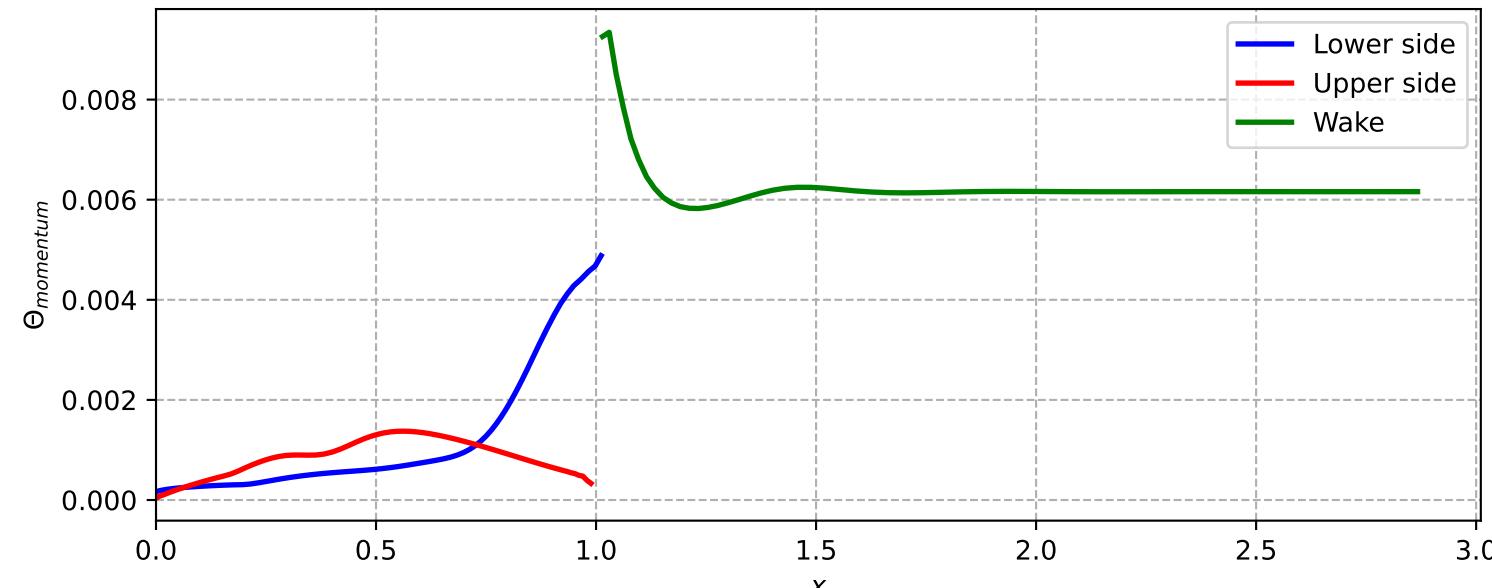
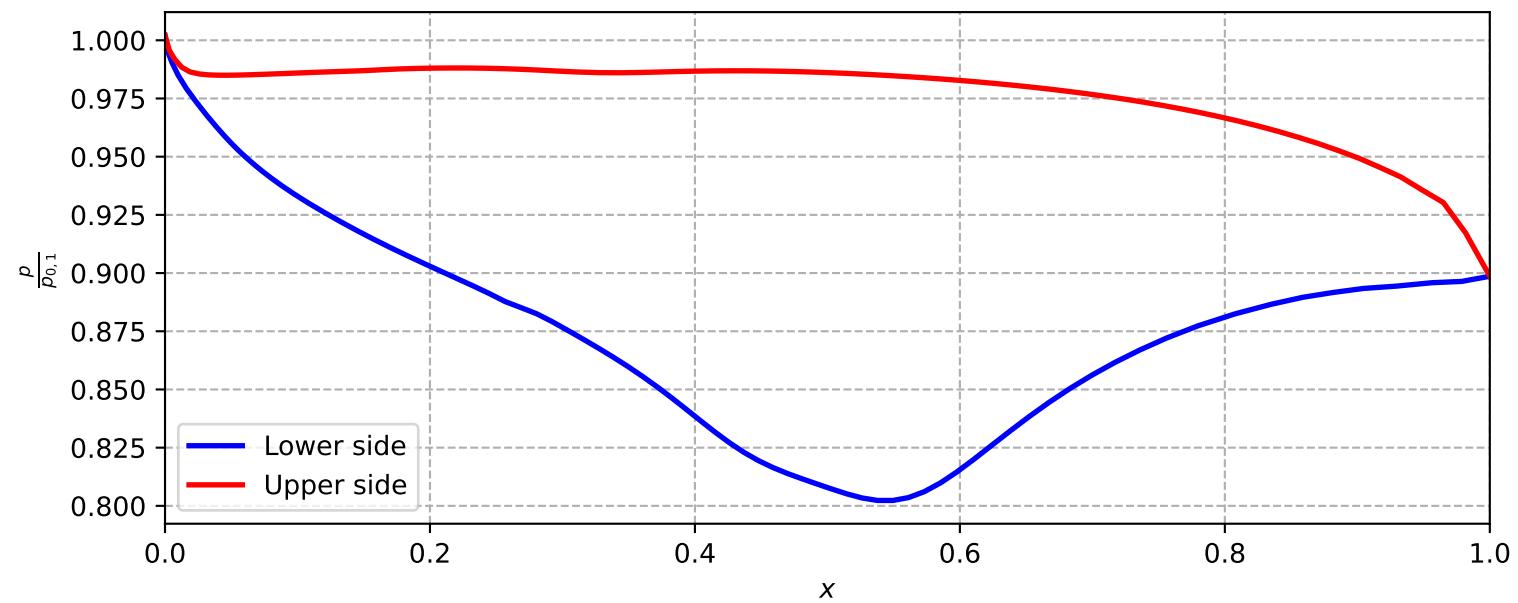
#0005 NAME: VKIblade  
 $\alpha_1 = -50.000^\circ$   $\alpha_2 = \text{KUTTA CONDITION}$   
CHINL = 2.000 CHOUT = 2.000  
PITCH = 1.061  $\beta = 16.840^\circ$   
 $R_{LE} = 0.016$   $\zeta_{TE} = 0.025$



$RMSE = 5.957E - 02$   
 $RMSE_{PS} = 5.991E - 02$   $RMSE_{SS} = 5.925E - 02$   
 $\alpha_2, \text{target} = 65.00^\circ$   $\Delta\alpha_2 = 1.03^\circ$   $\alpha_2, \text{real} = 66.03^\circ$   
 $M_{peak} = 1.4$   $L_{peak} = 0.5$   
 $M_{LE} = 1.2$   $M_{press} = 0.8$

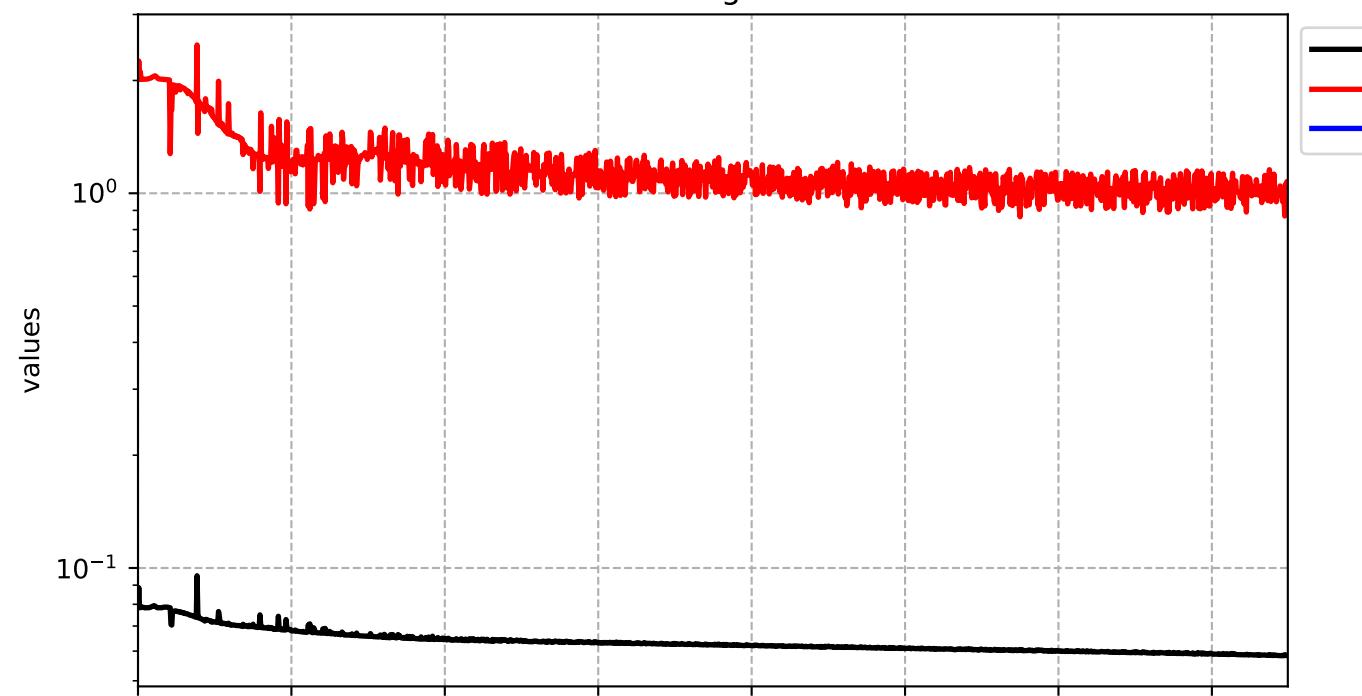


$$DF_{Coul} = \sqrt{\max\left(\frac{p_0 - p}{p_0 - p_{SS-TE}}\right)} - 1 = 0.975$$

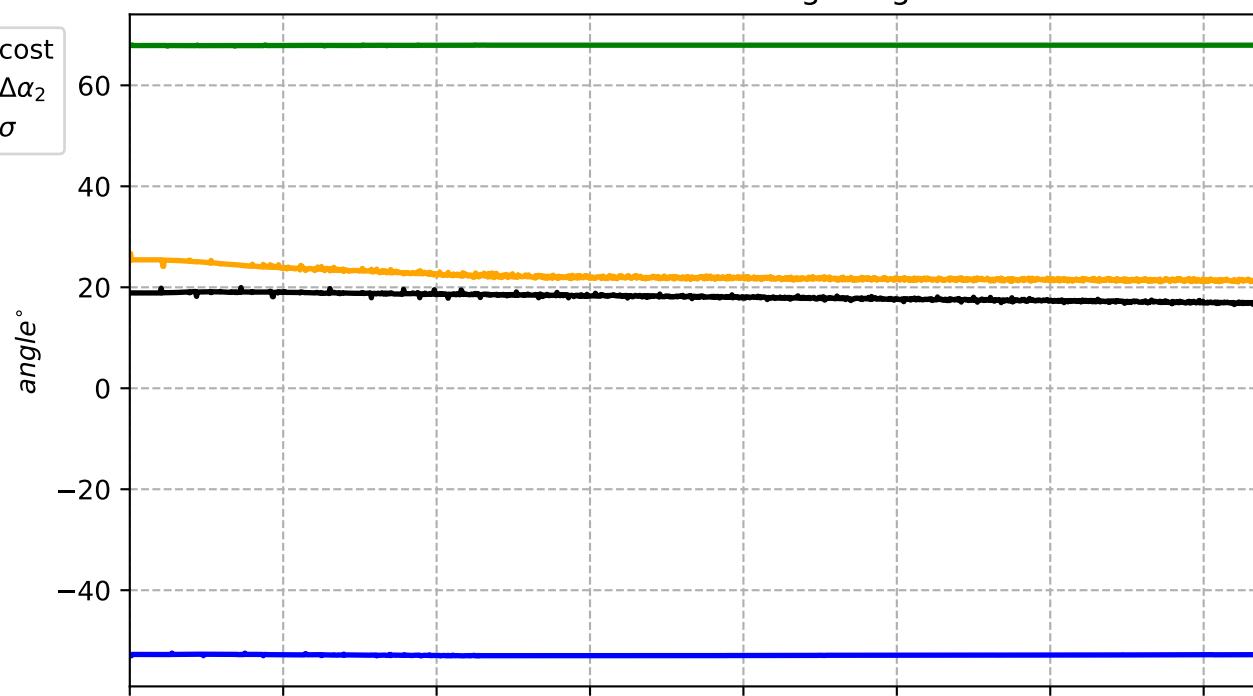


Optimization: 1  
Method: Nelder-Mead

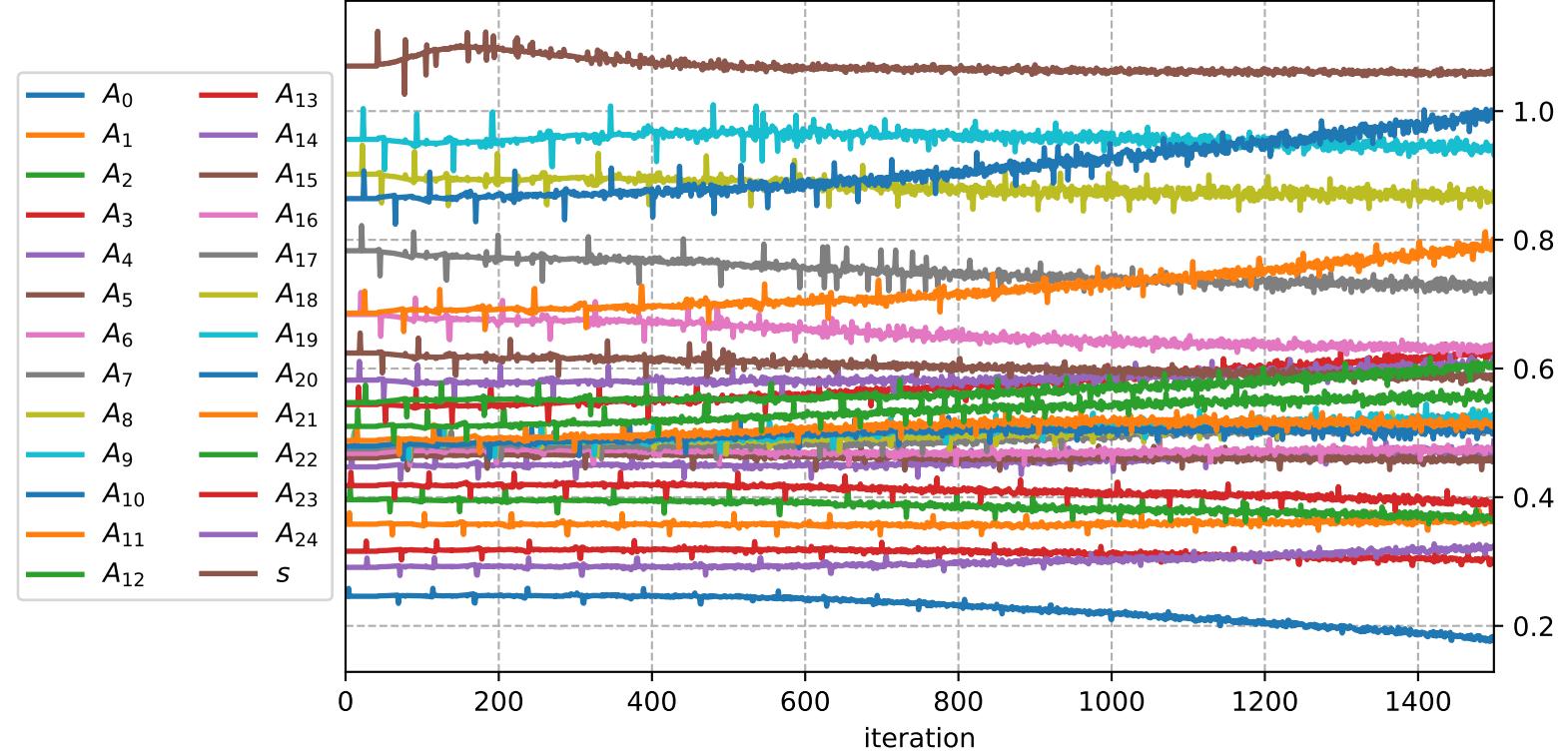
Convergence



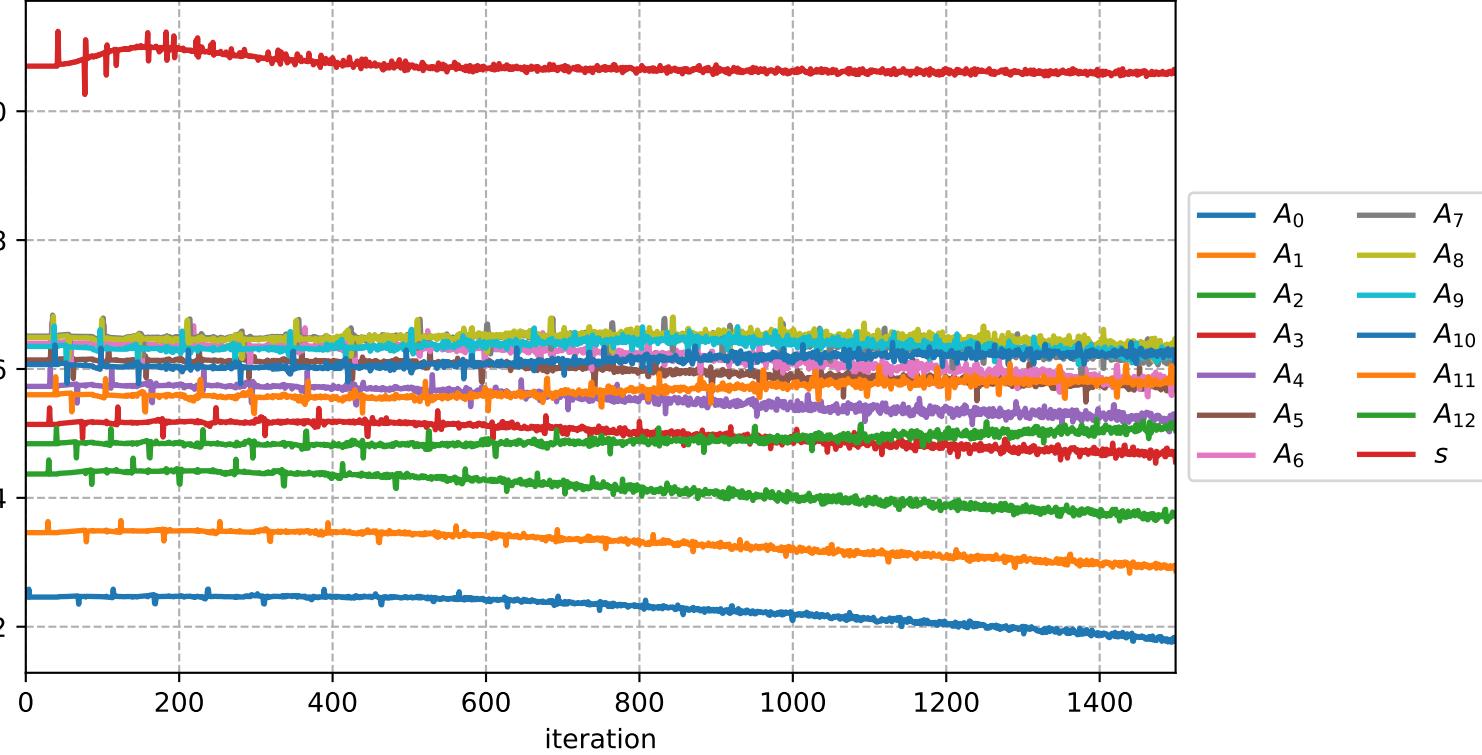
Camberline and wedge angle

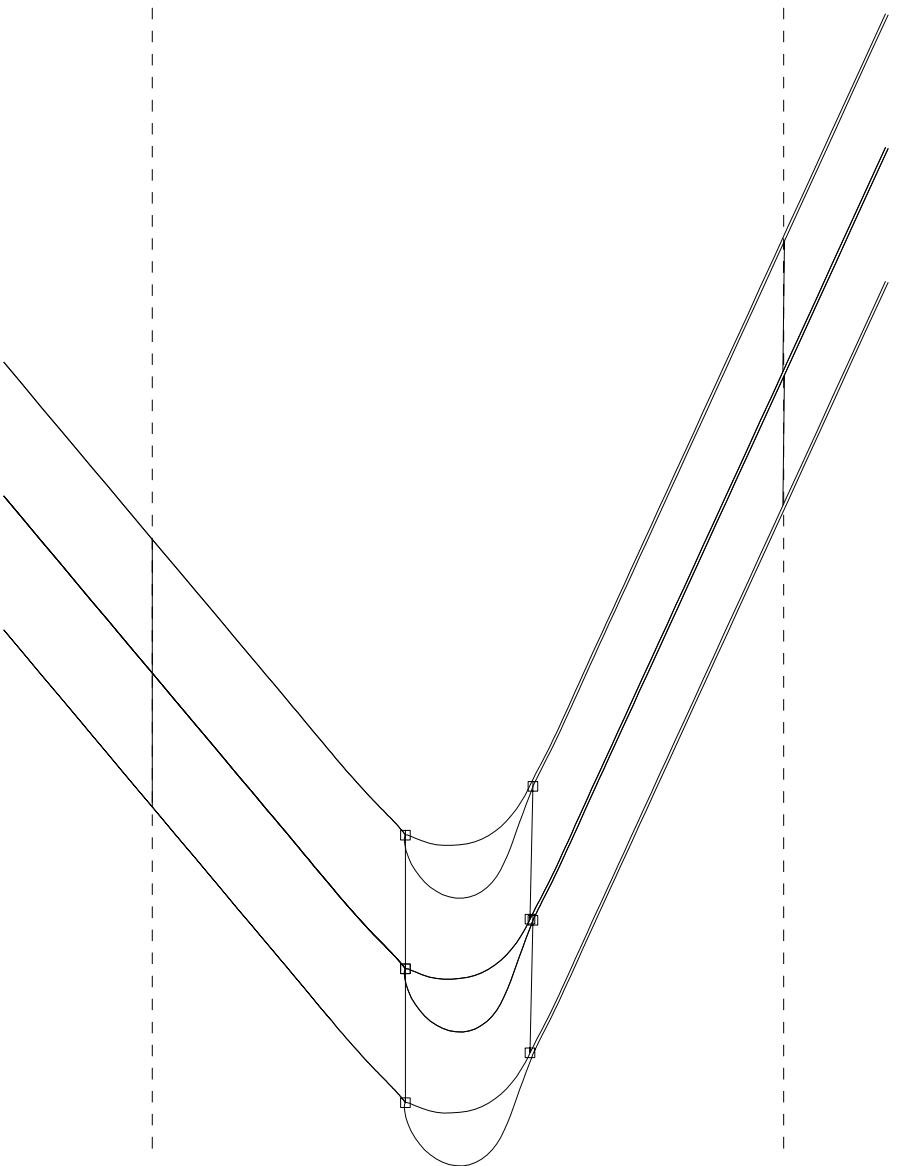


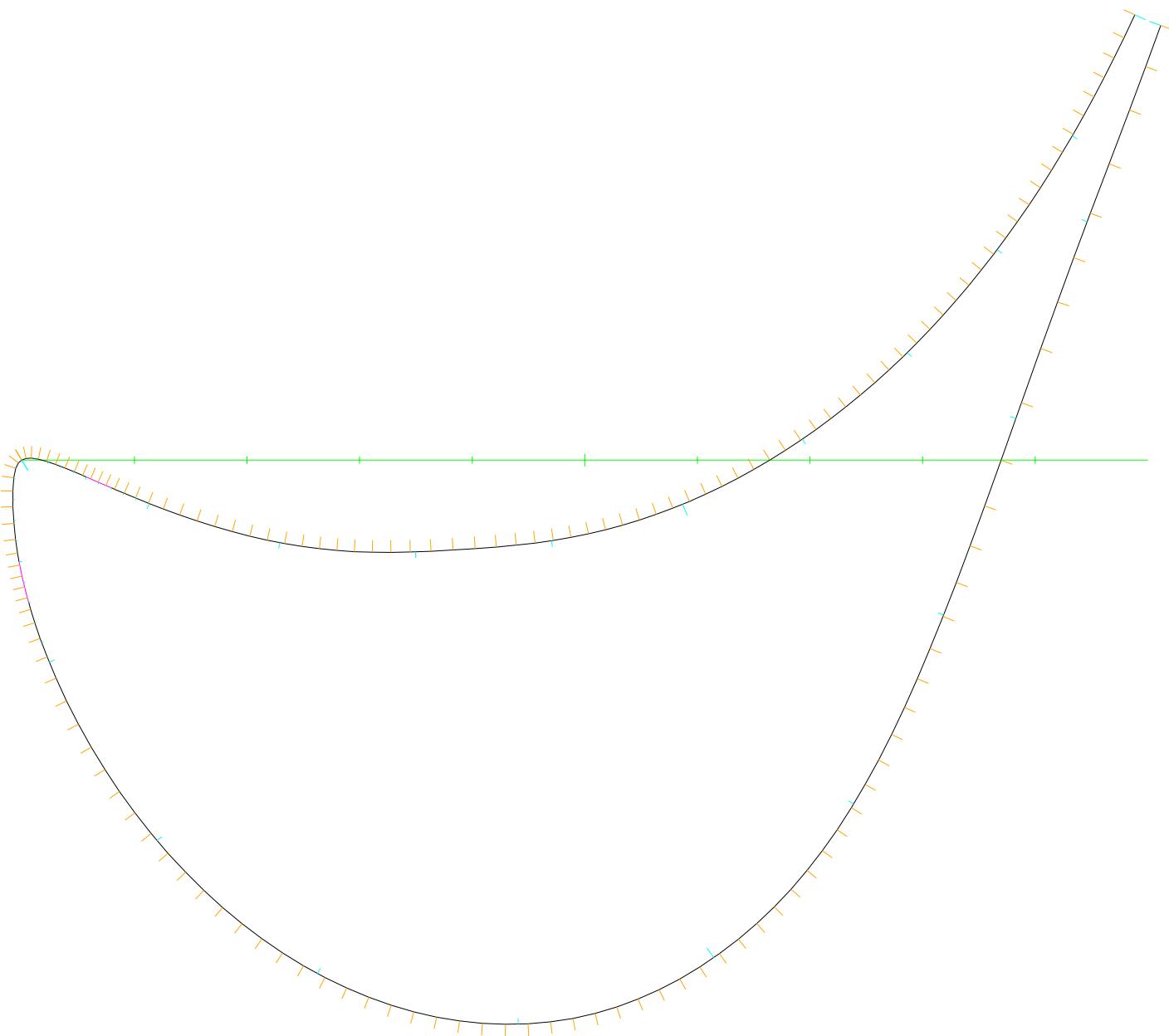
Suction side

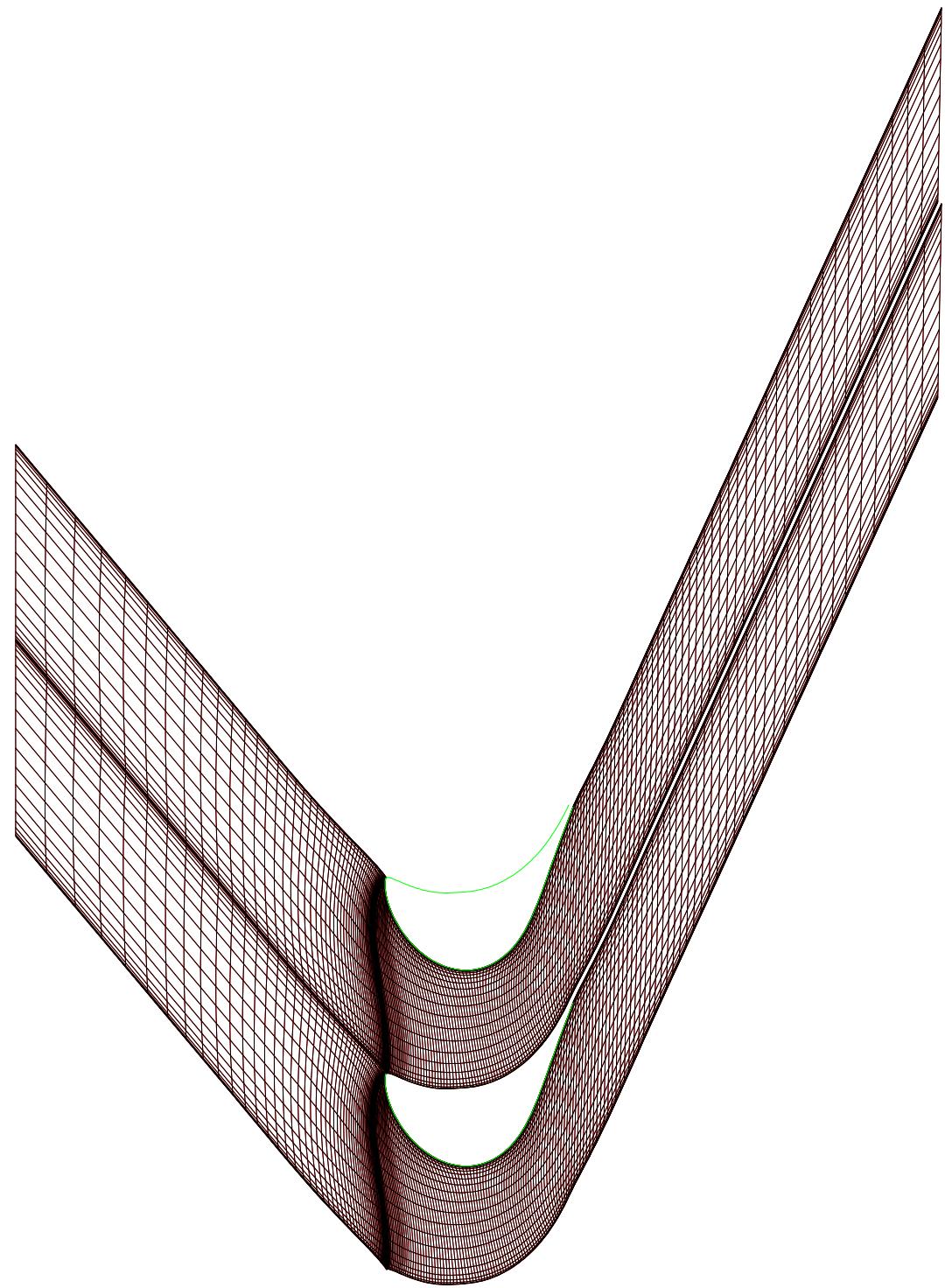


Pressure side



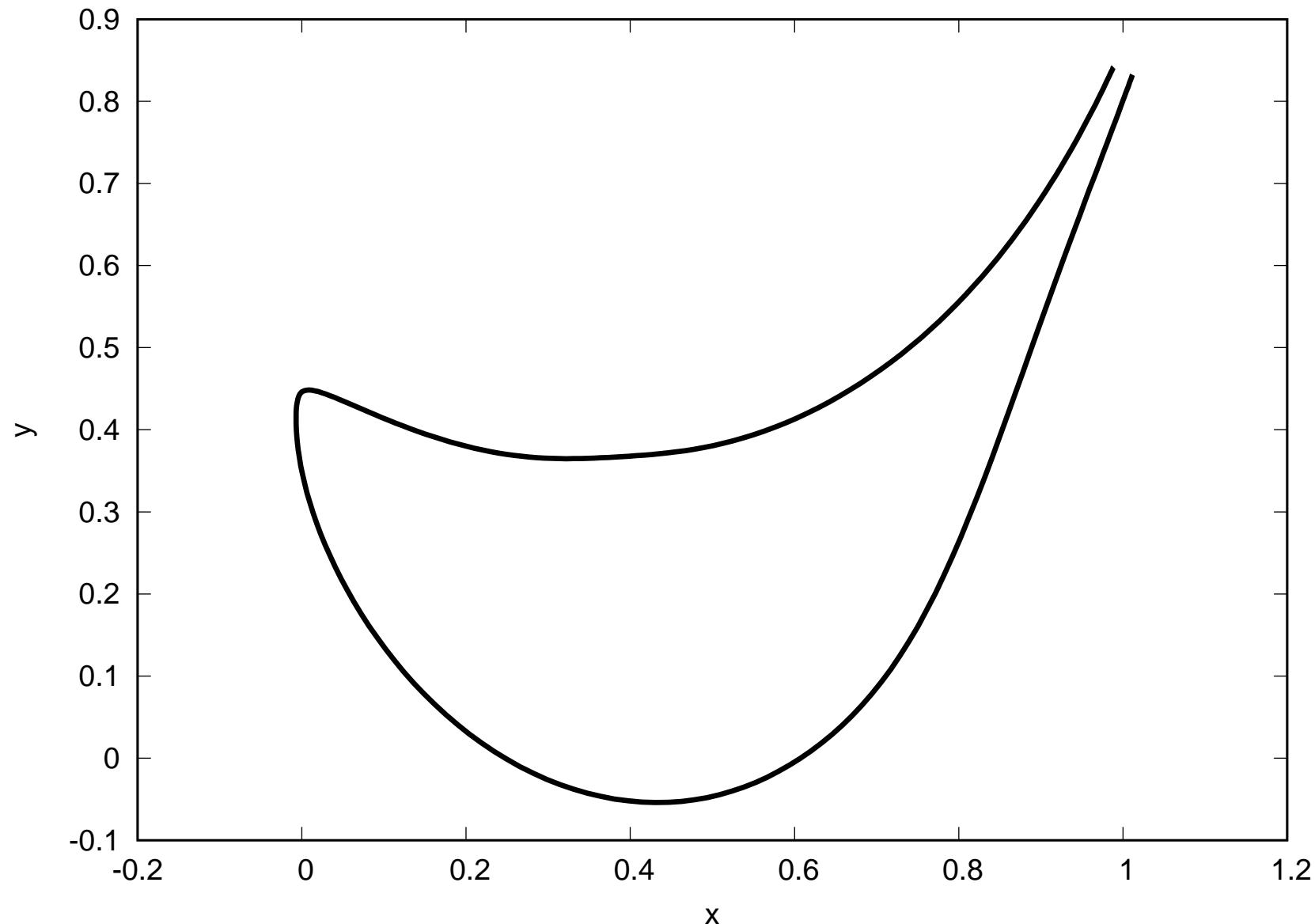






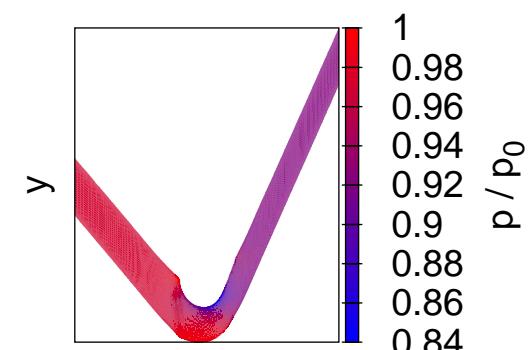
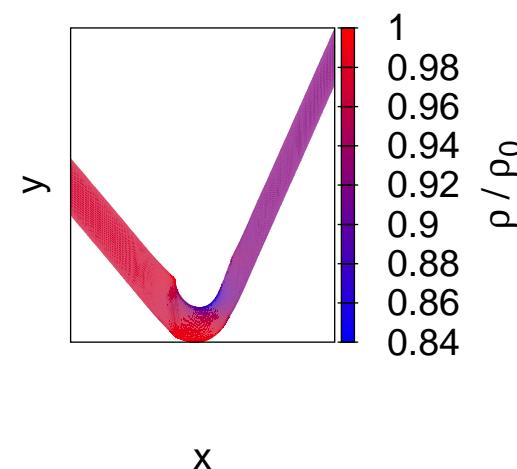
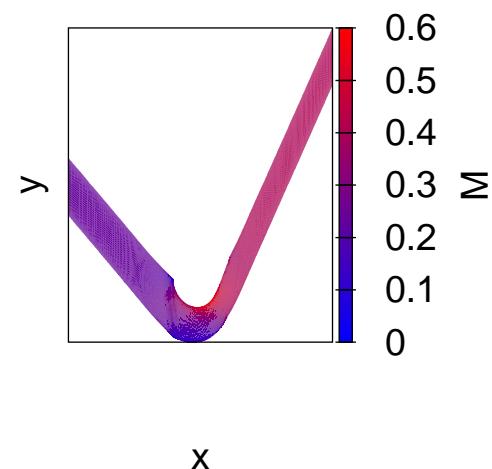
$\alpha_1 = -50.0^\circ \parallel \alpha_2 = 65.0^\circ \parallel M_2 = 0.4 \parallel s = 1.061 \parallel Re = 600000.0$

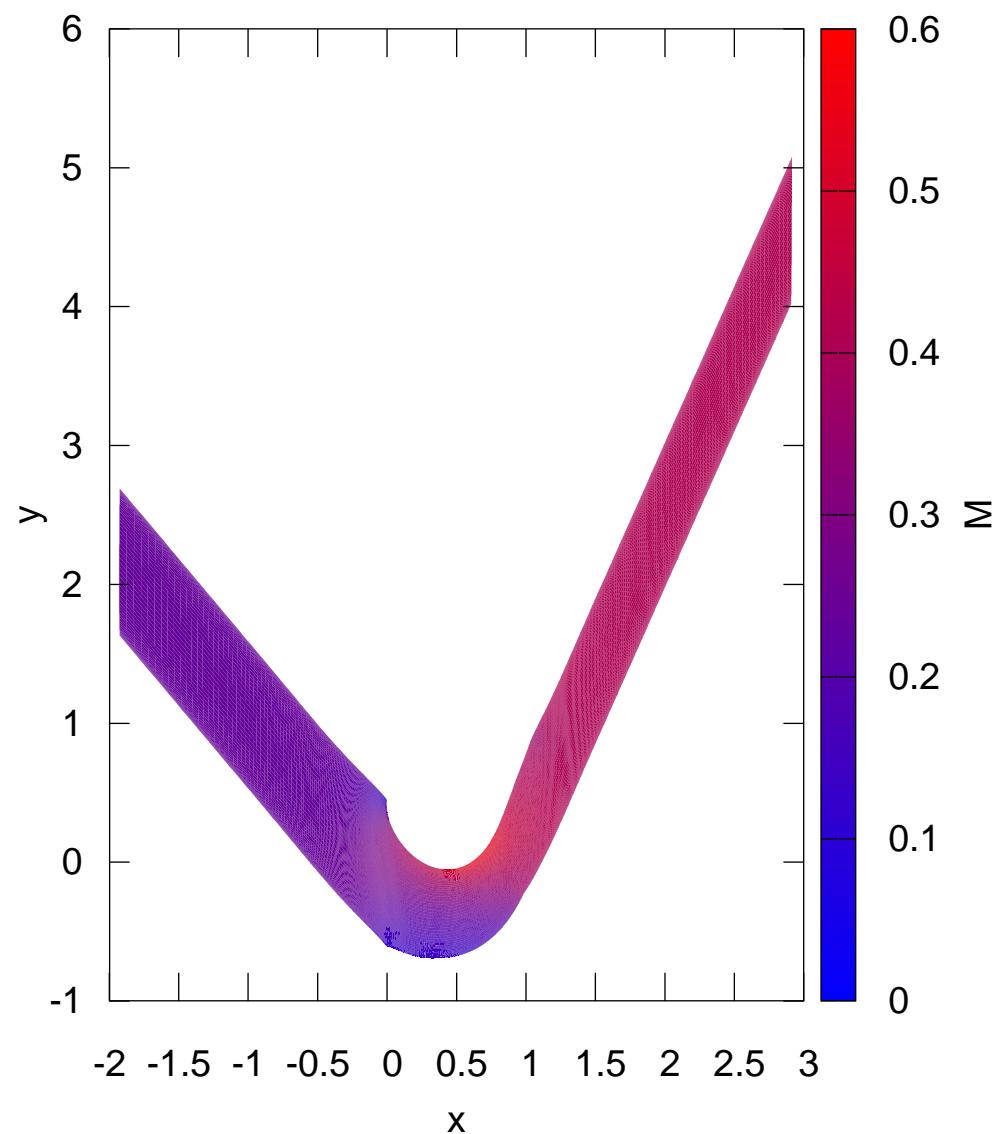
$M_{LE} = 1.2 \parallel M_{PEAK} = 1.4 \parallel L_{PEAK} = 0.5 \parallel M_{PRESS} = 0.8$

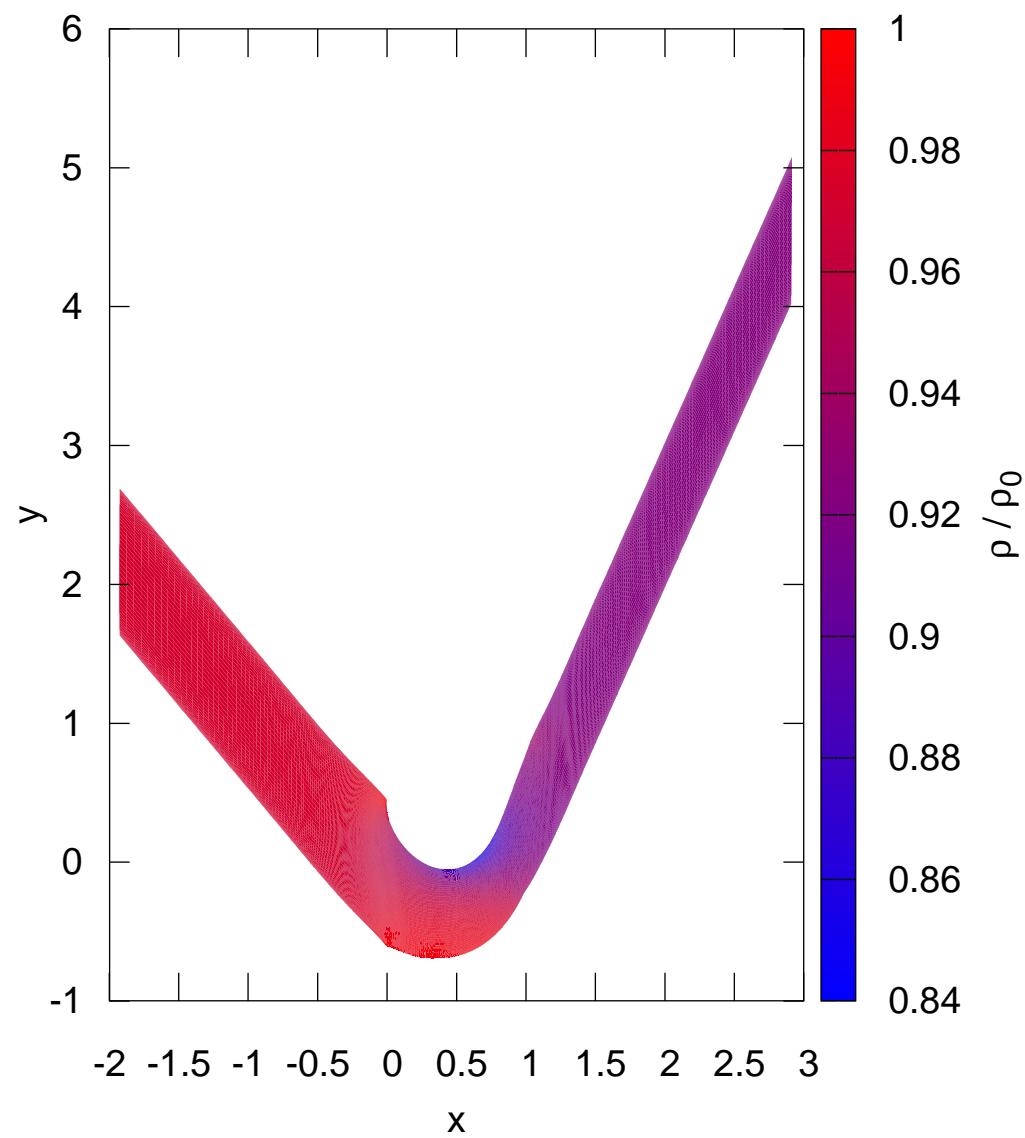


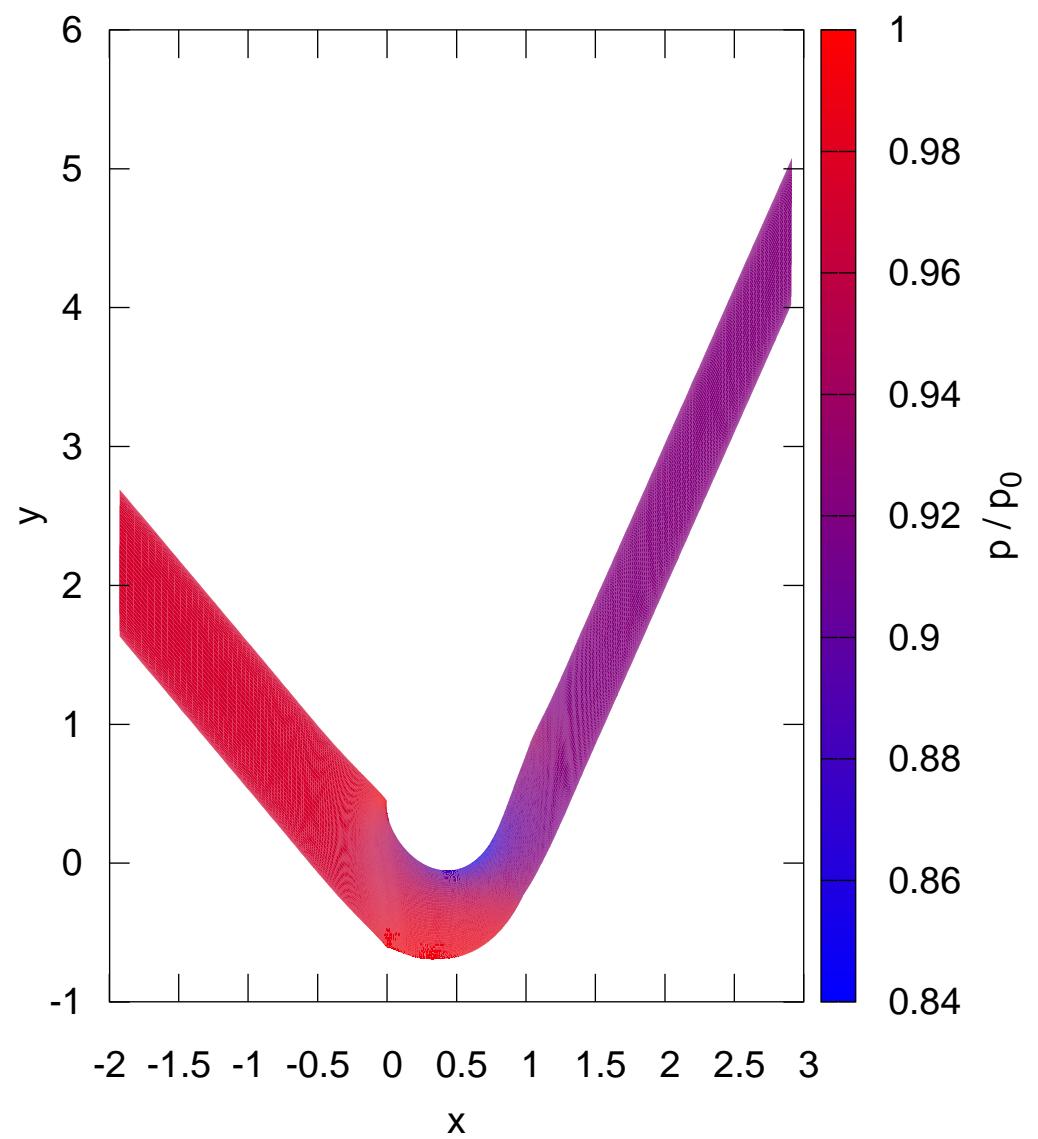
$$\alpha_1 = -50.0^\circ \parallel \alpha_2 = 65.0^\circ \parallel M_2 = 0.4 \parallel s = 1.061 \parallel Re = 600000.0$$

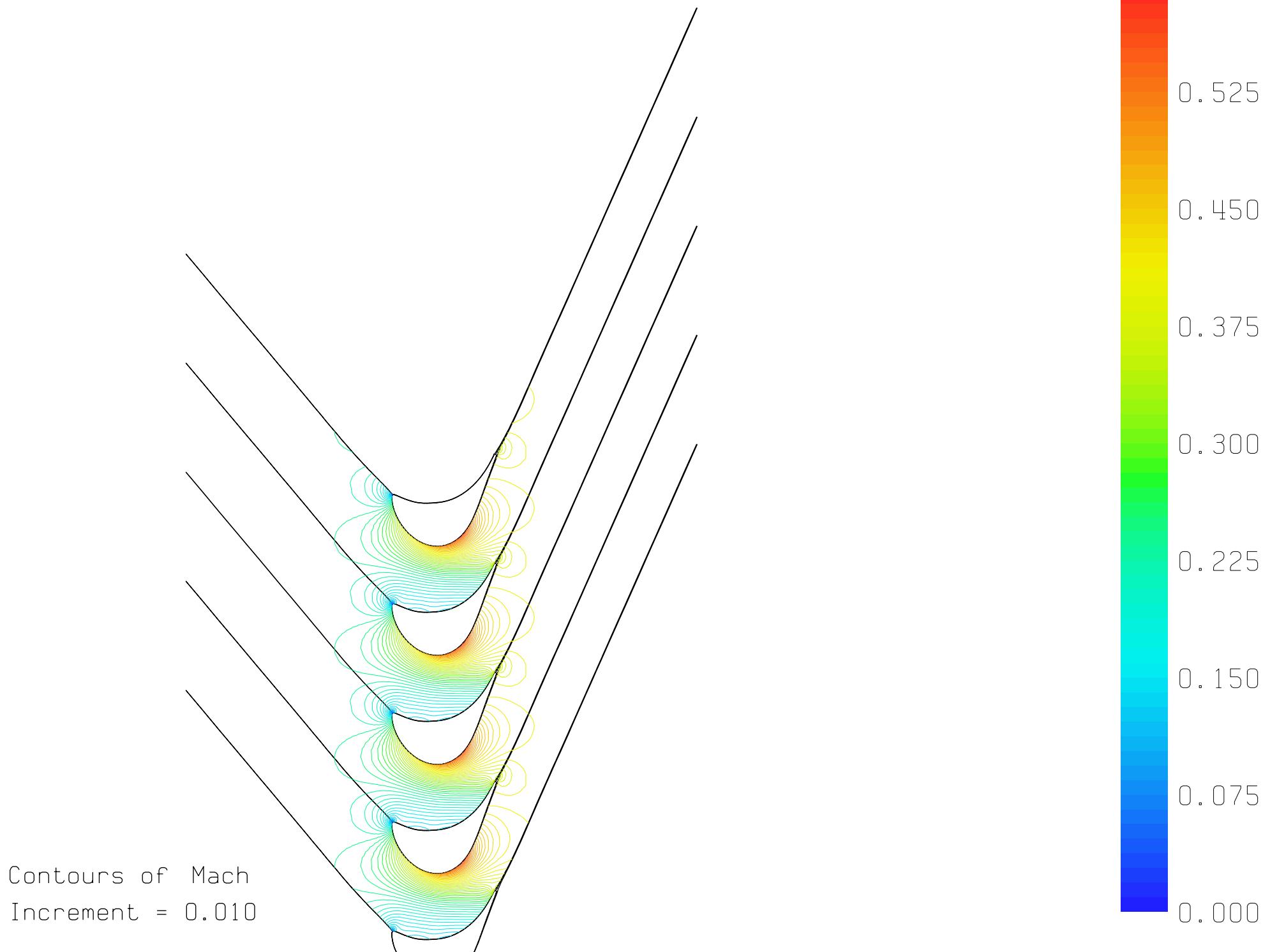
$$M_{LE} = 1.2 \parallel M_{PEAK} = 1.4 \parallel L_{PEAK} = 0.5 \parallel M_{PRESS} = 0.8$$

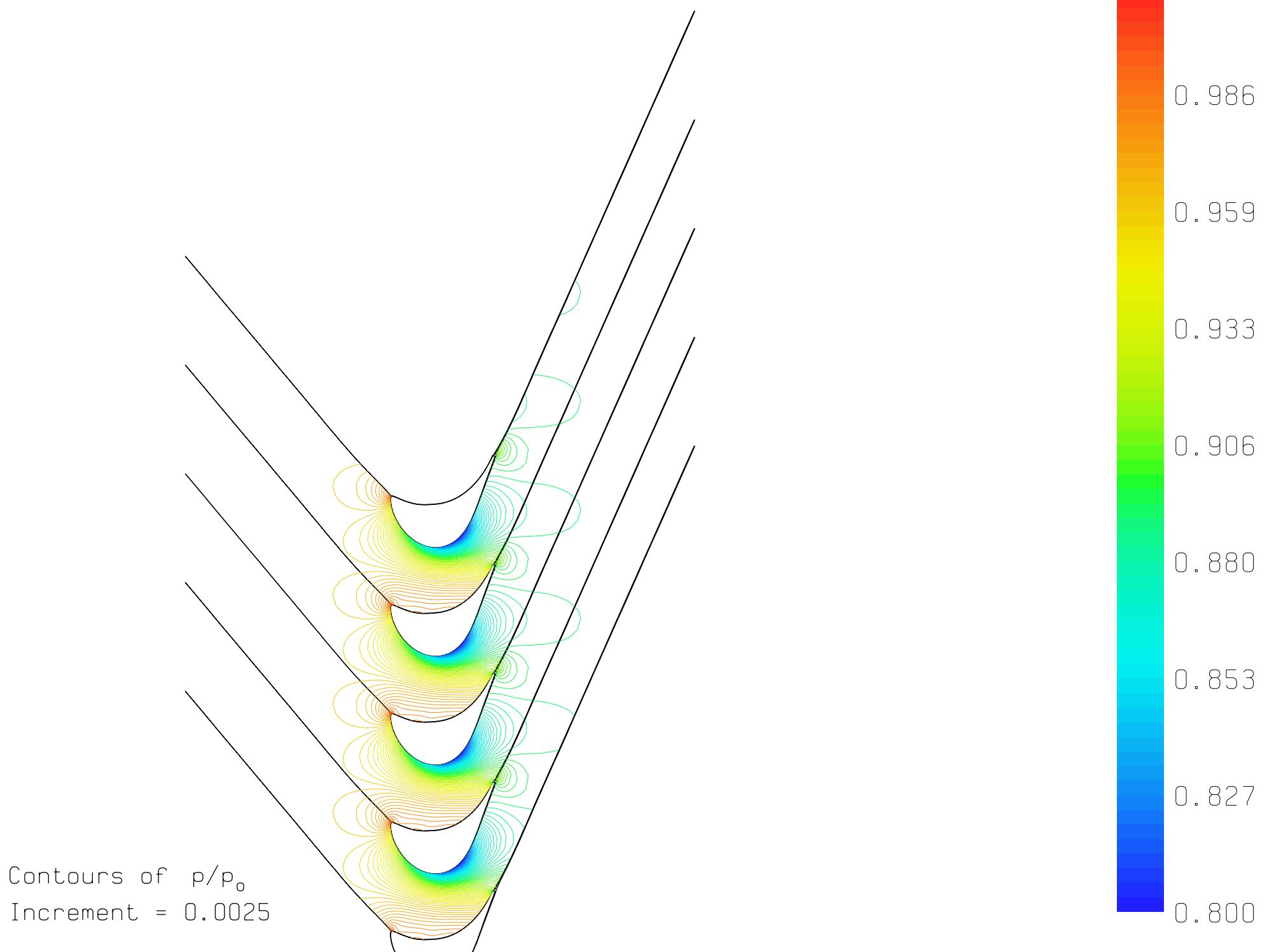


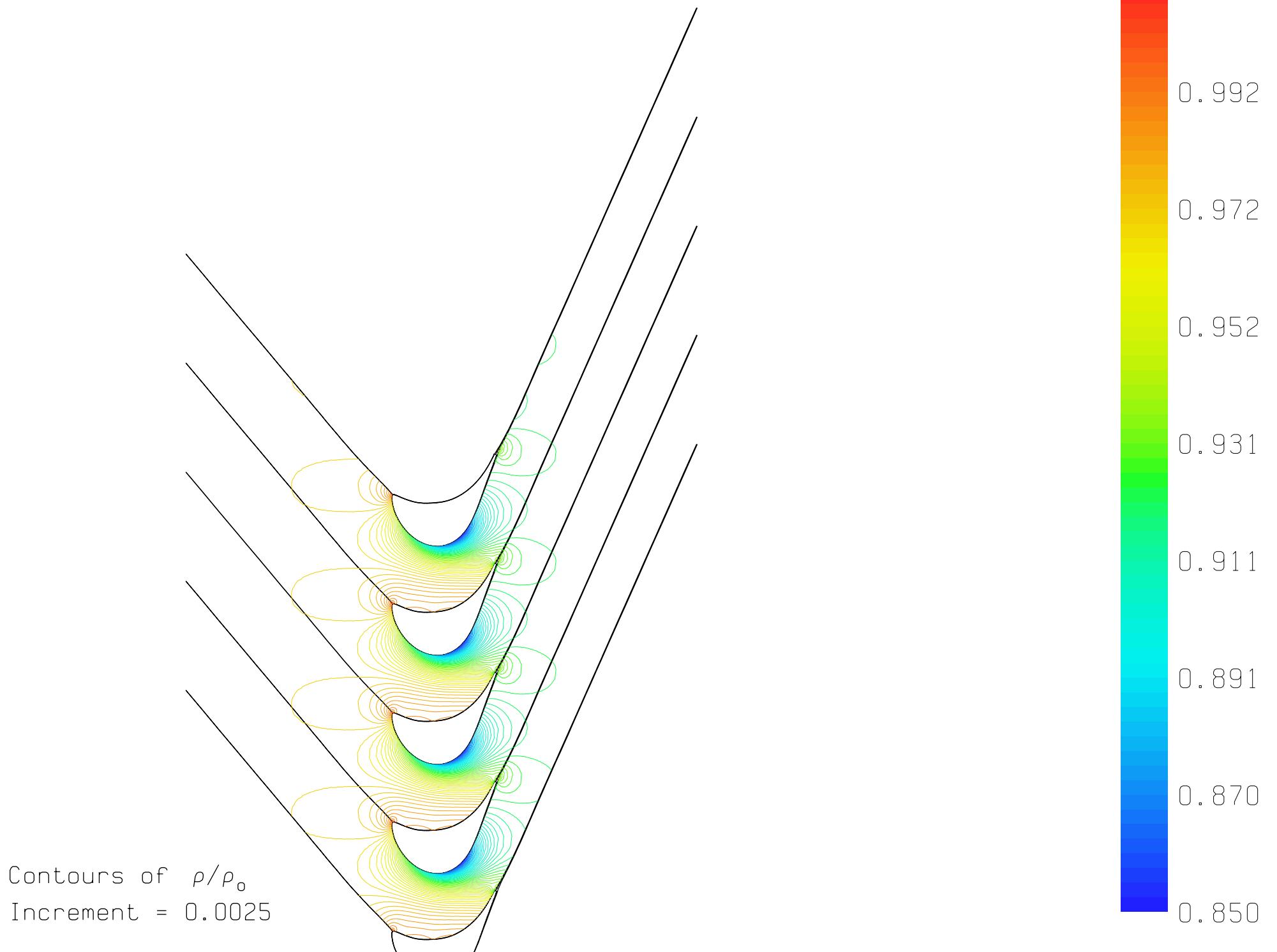




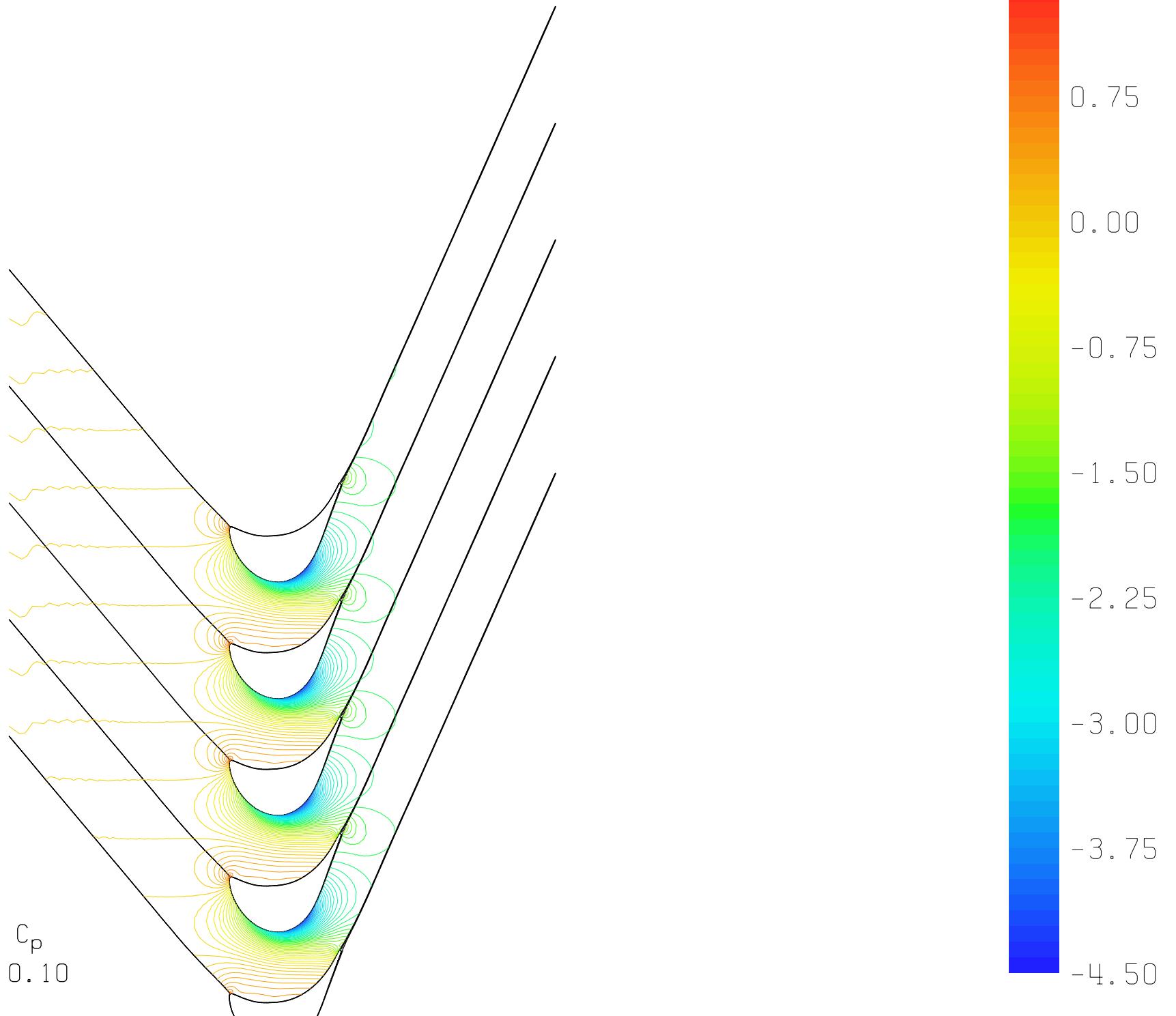


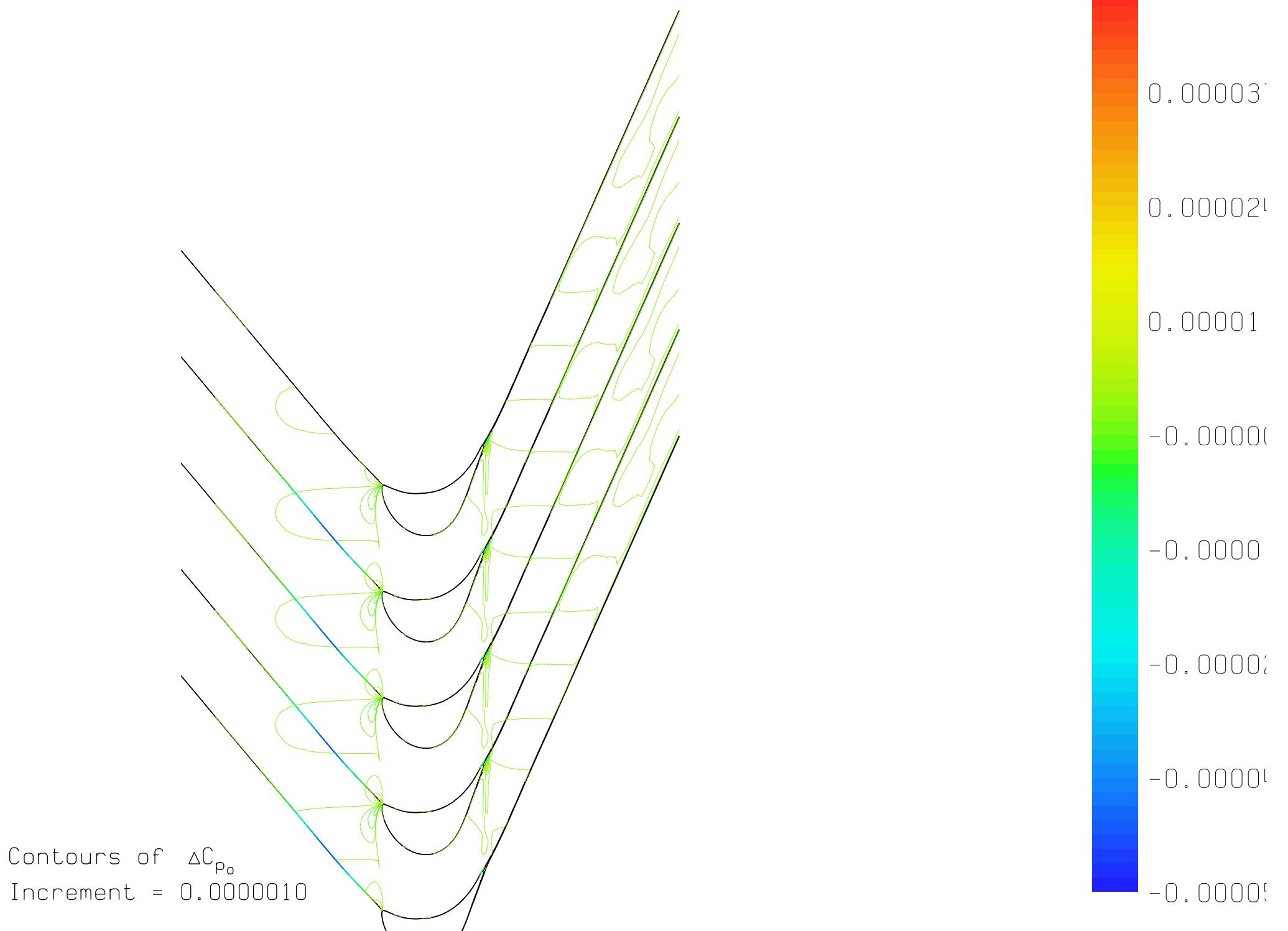






Contours of  $C_p$   
Increment = 0.10





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

