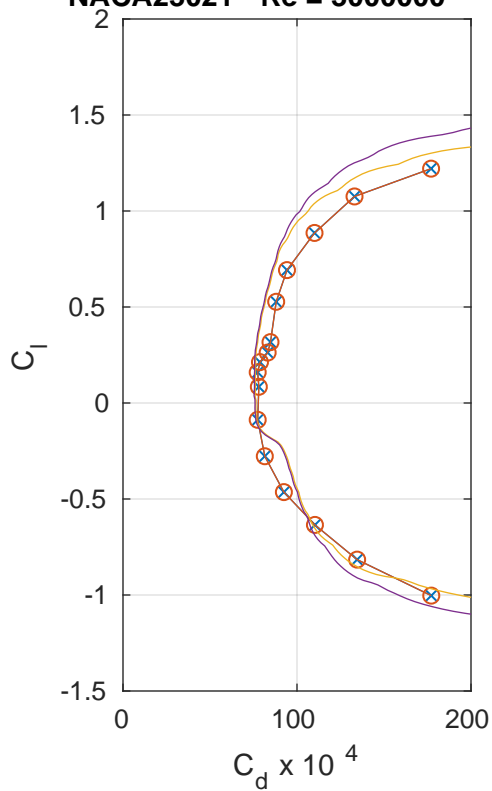
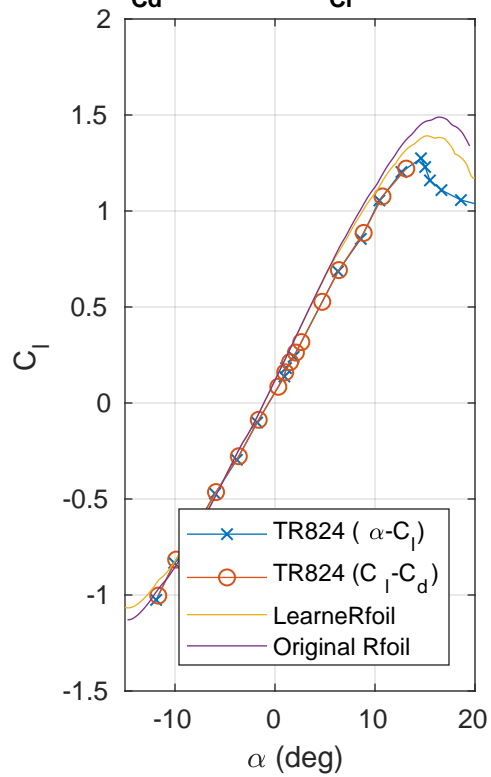
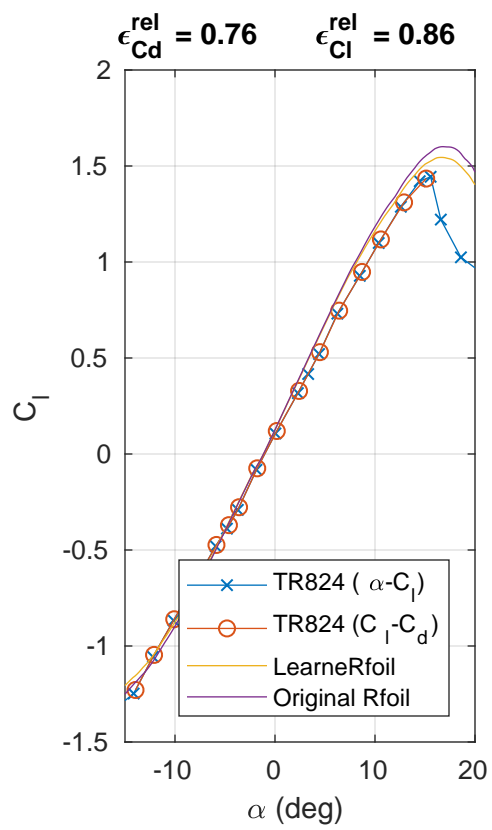
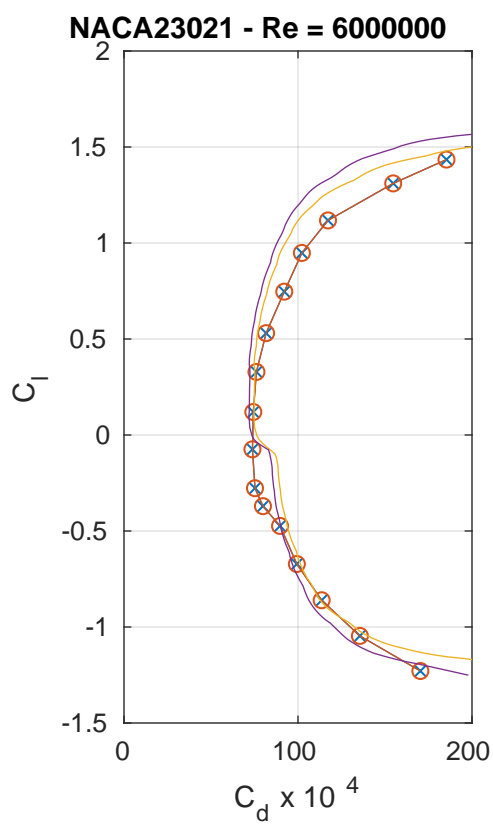


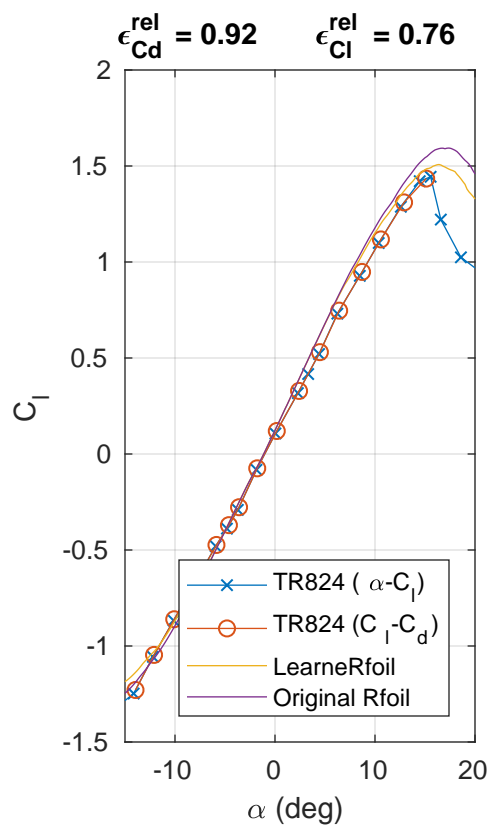
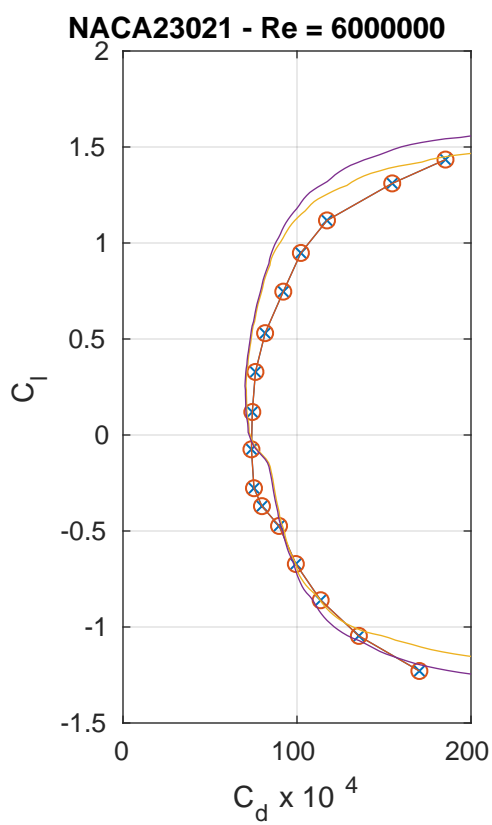
NACA23021 - Re = 3000000

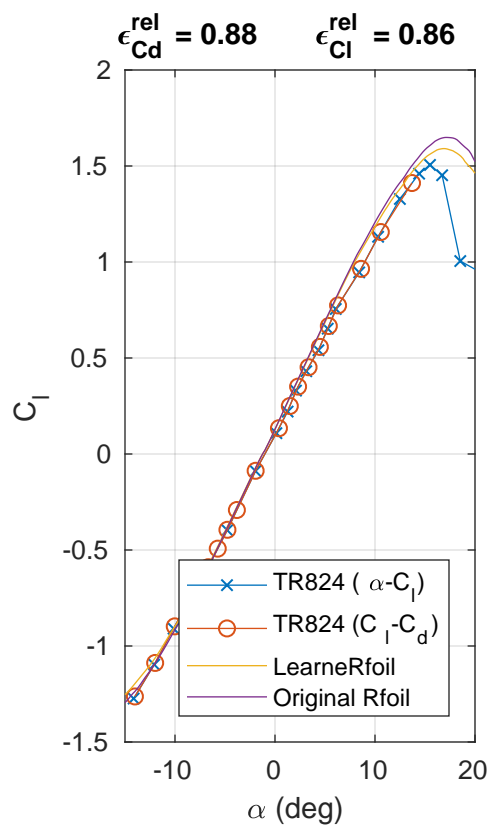
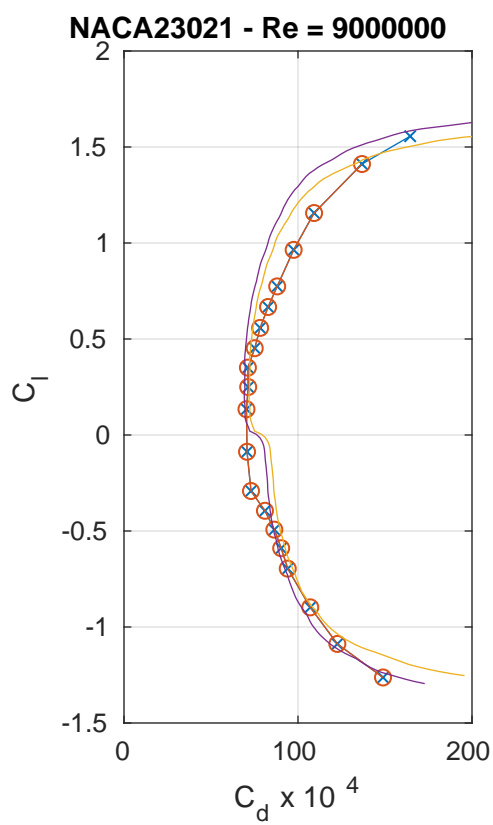


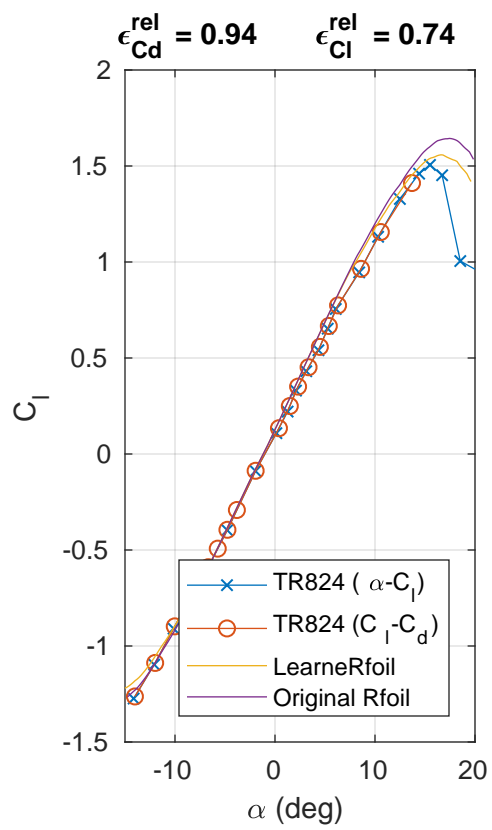
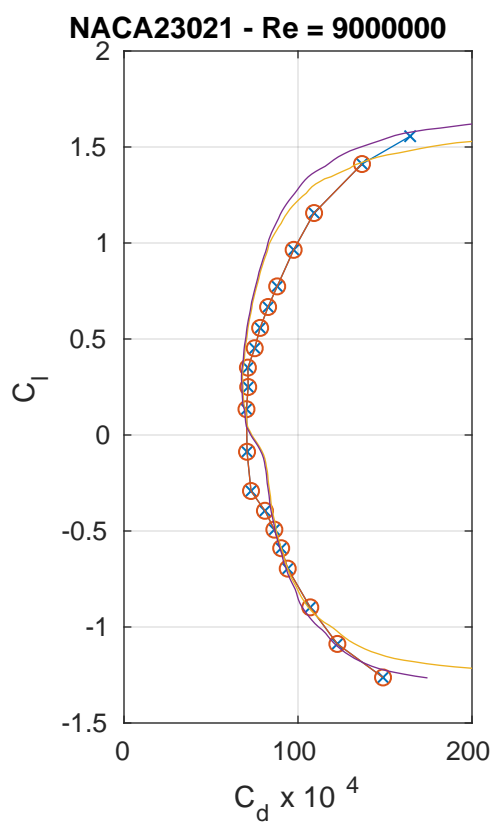
$\epsilon_{C_d}^{rel} = 0.71$ $\epsilon_{C_l}^{rel} = 0.73$

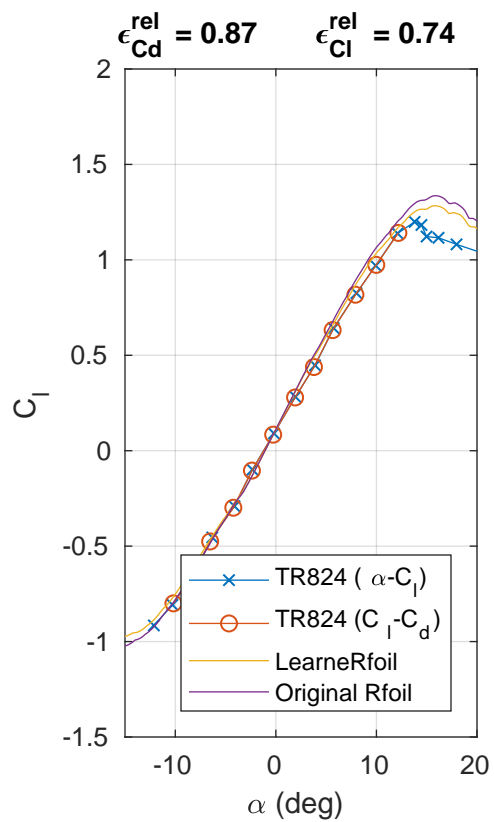
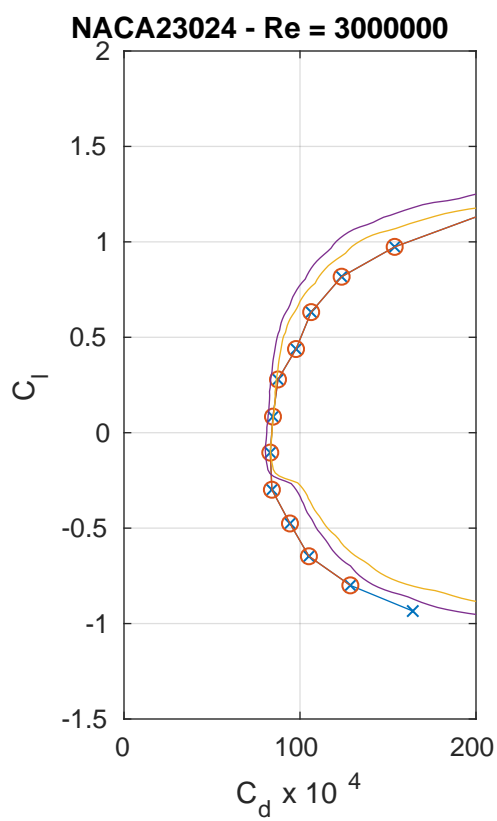


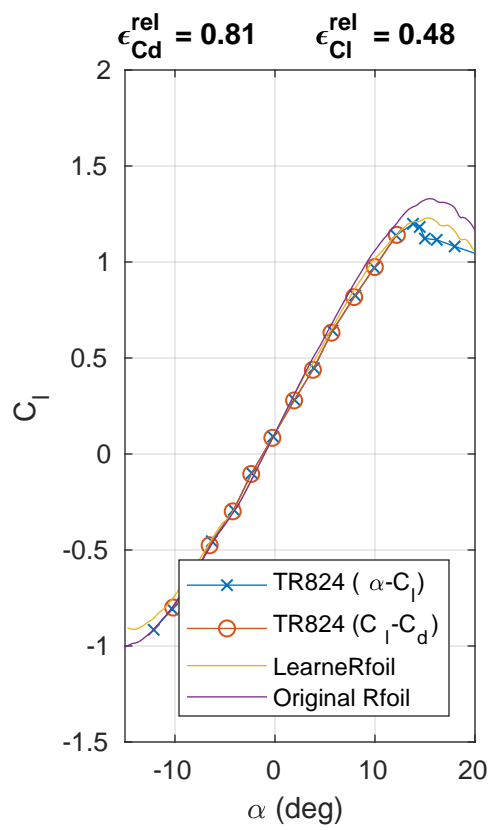
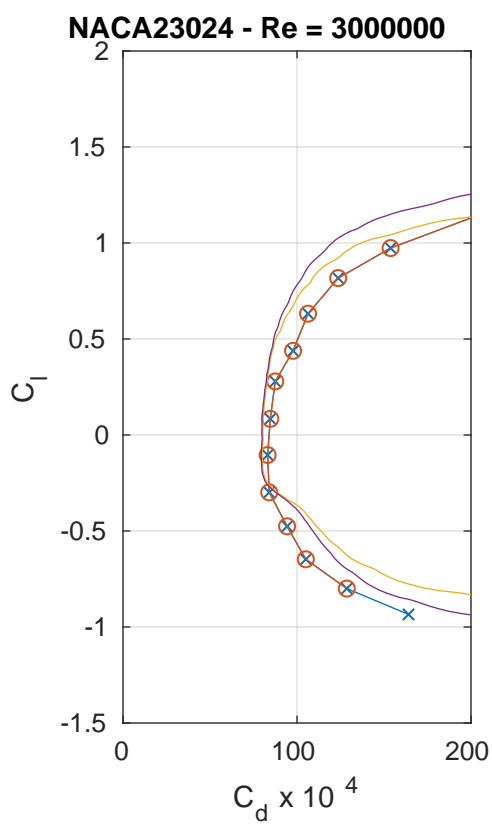


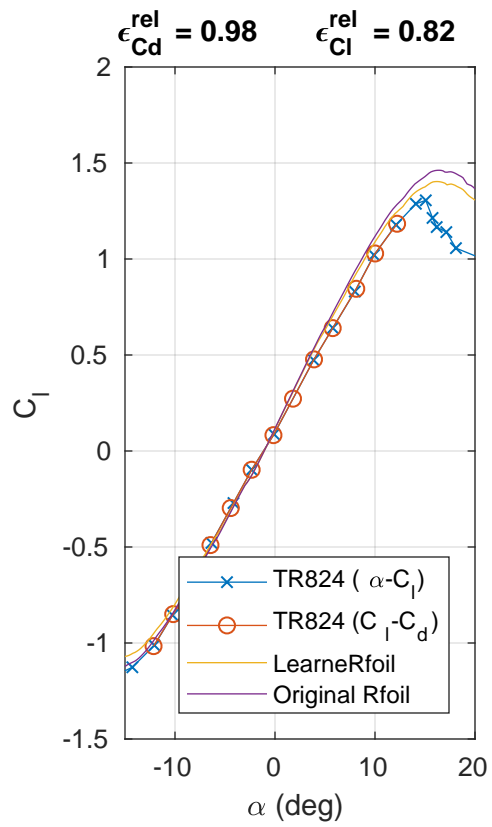
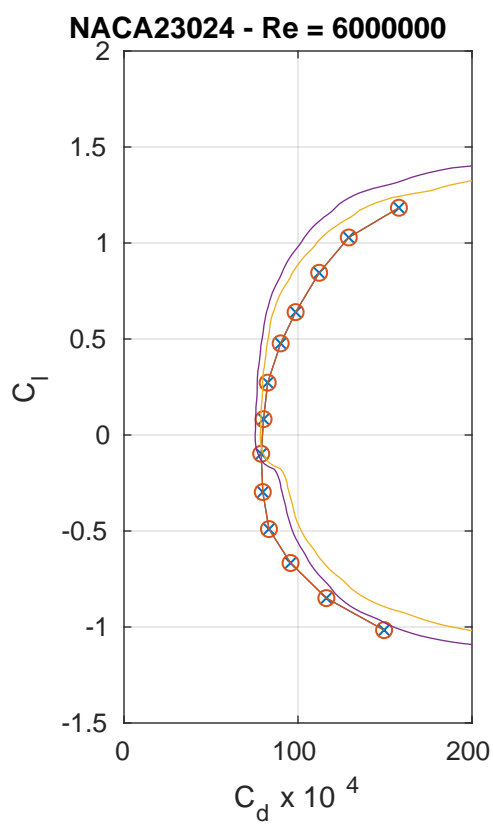


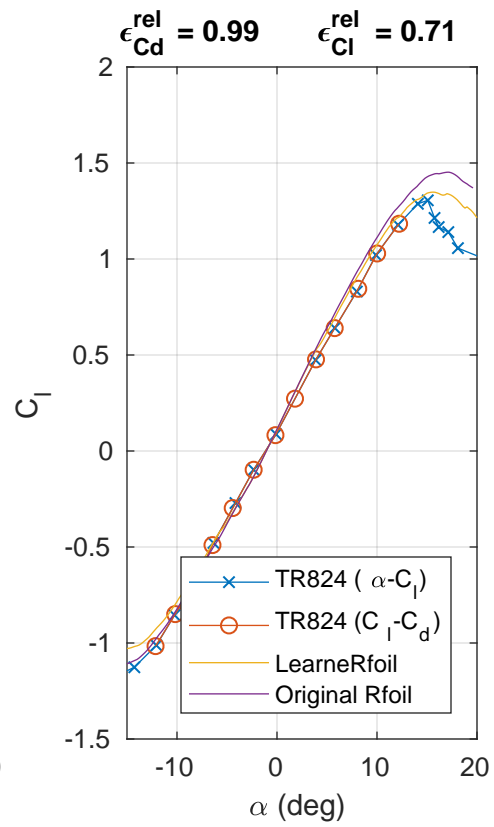
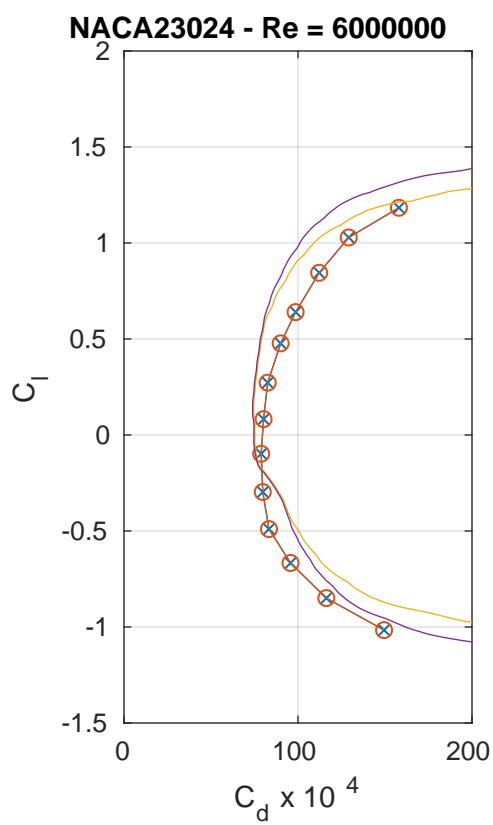


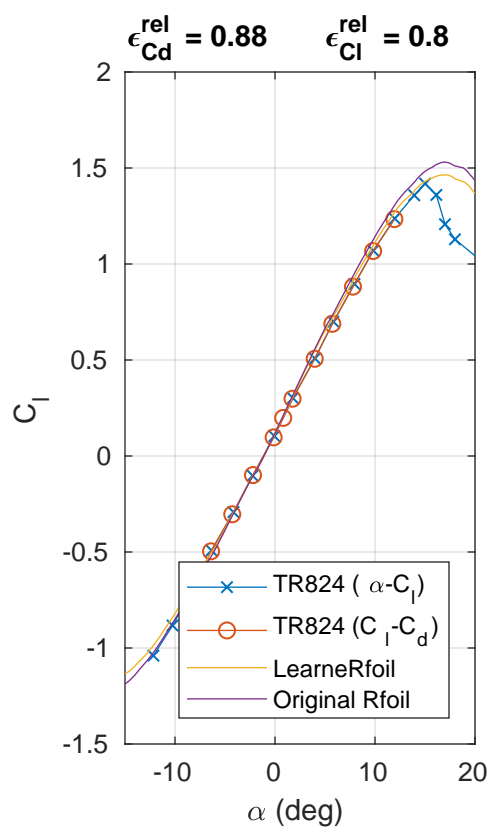
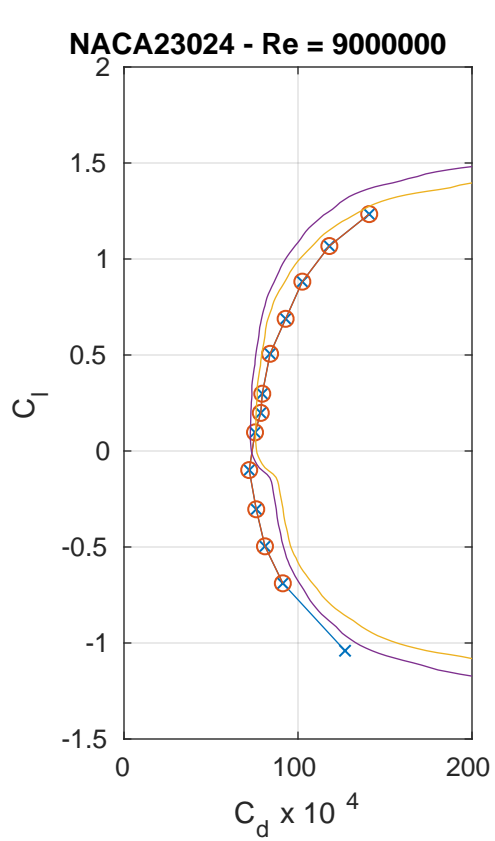


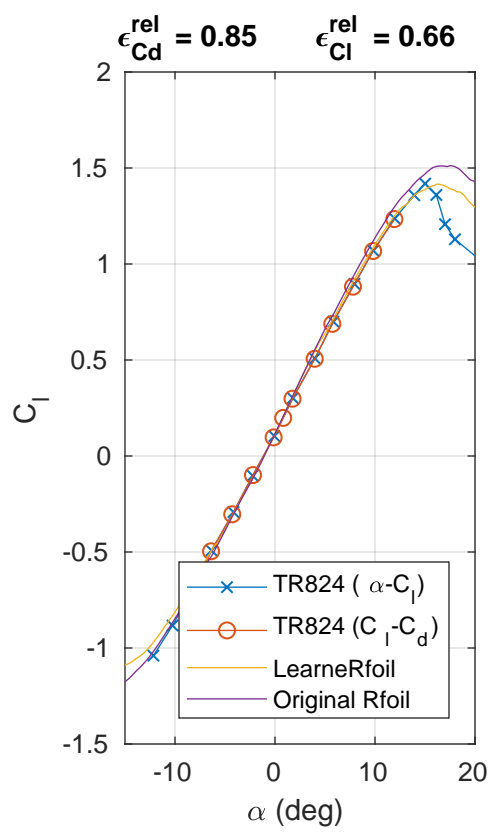
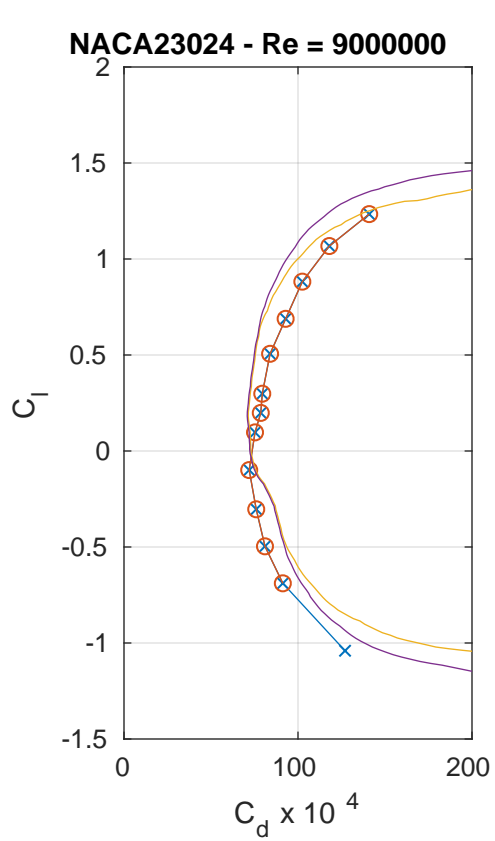


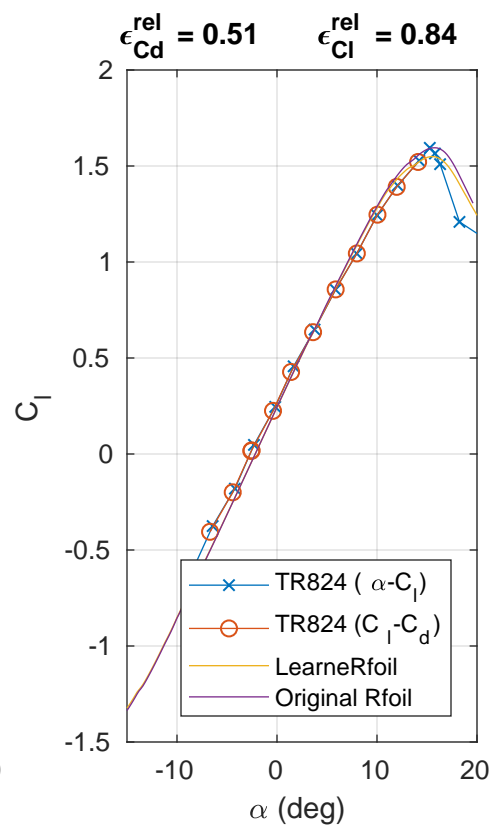
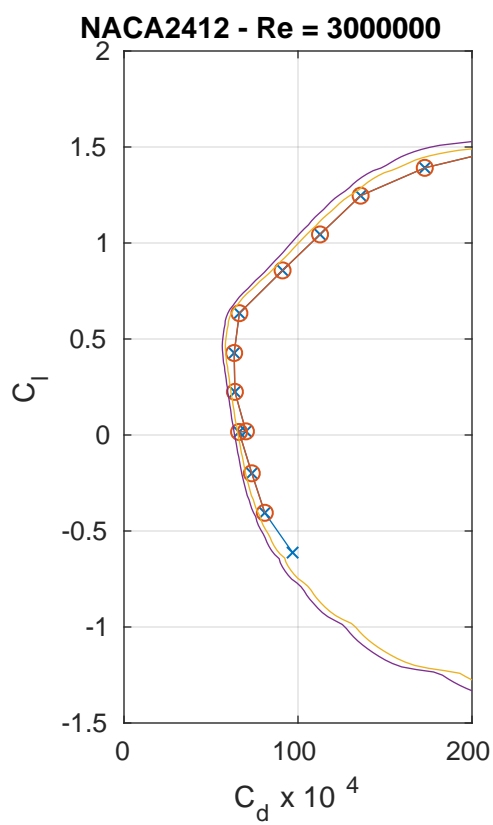


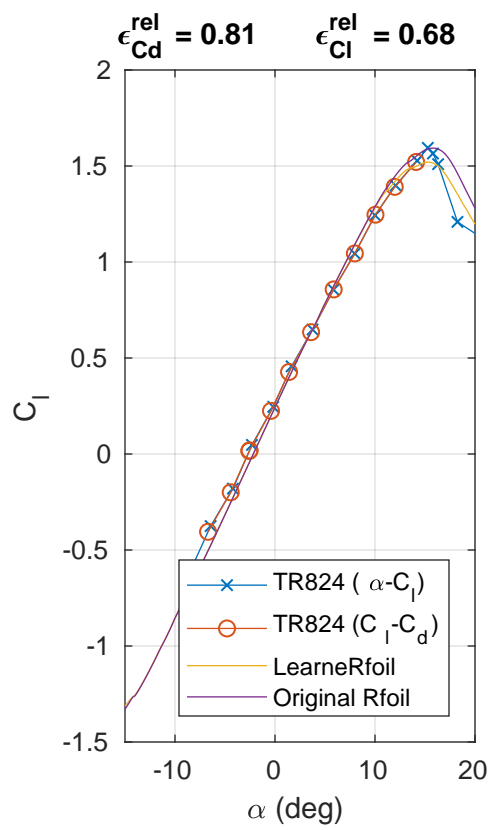
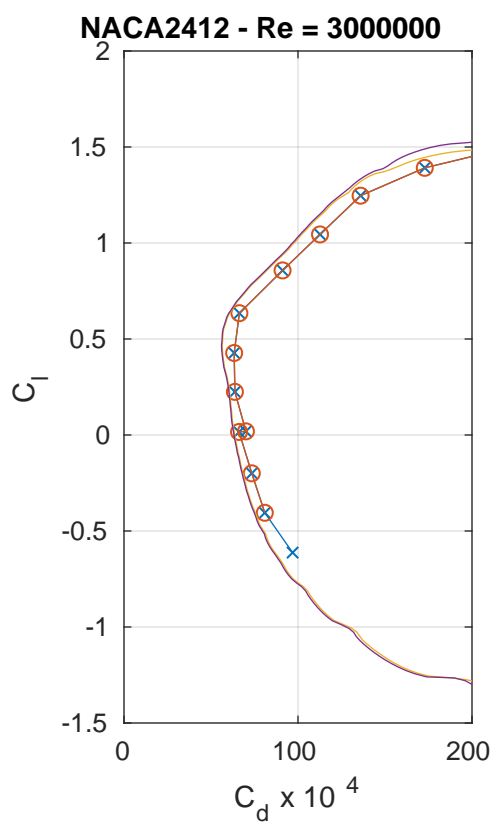


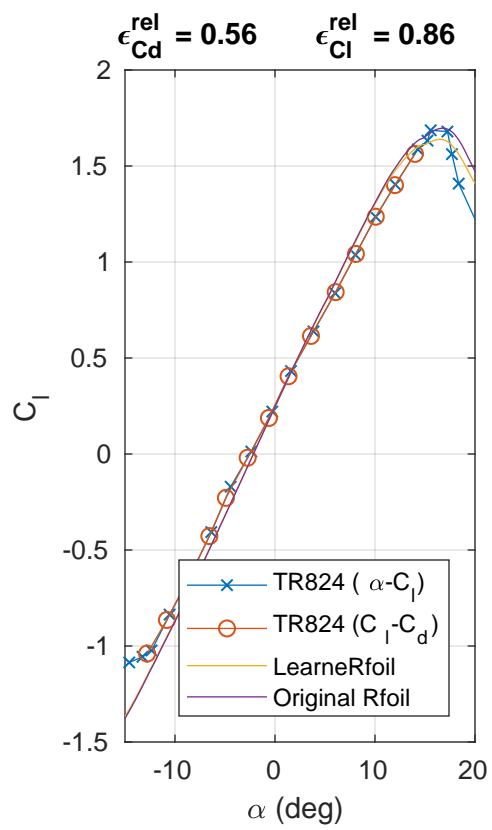
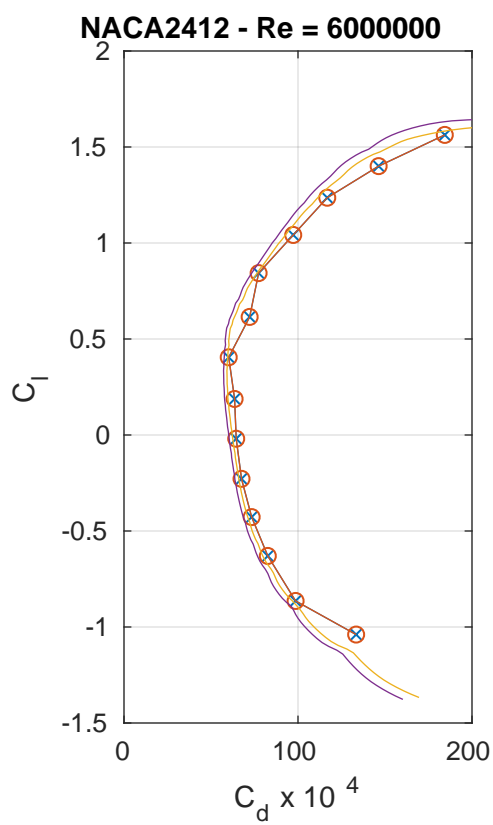


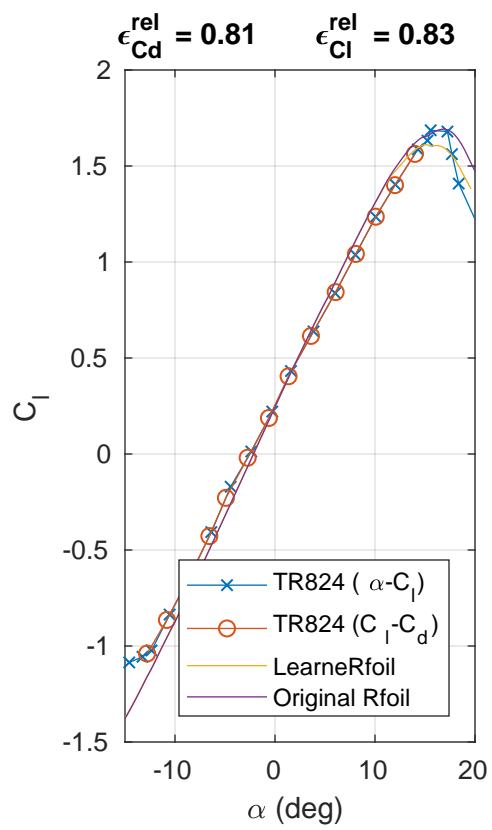
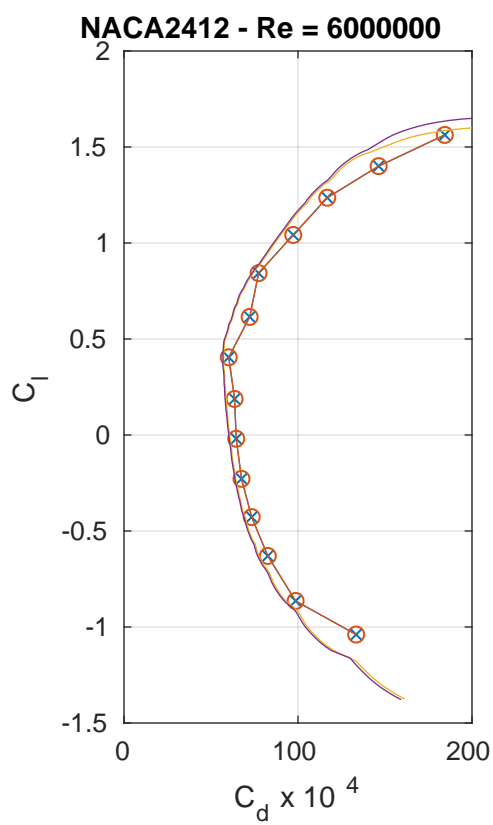


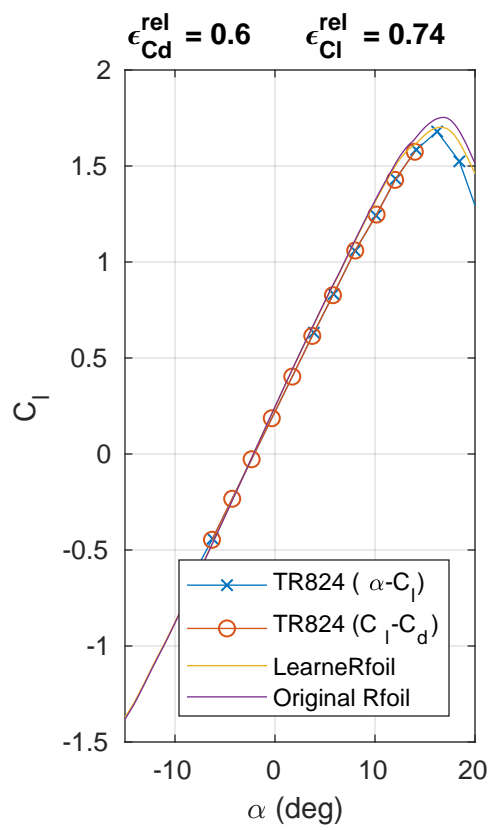
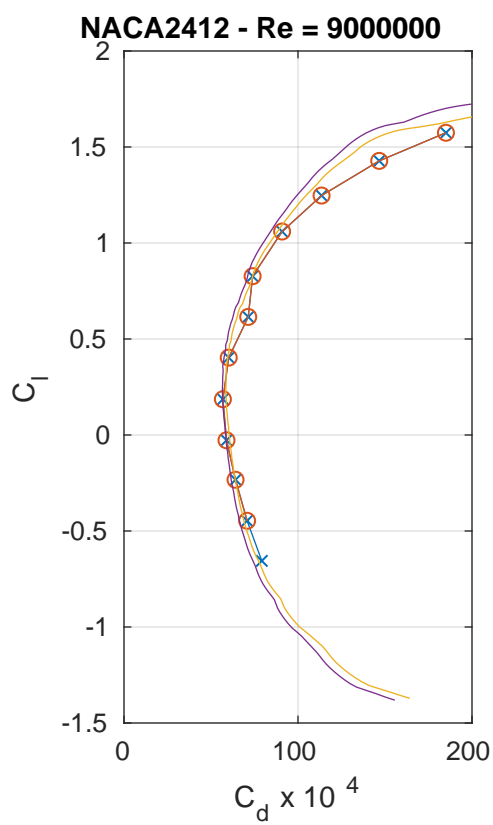


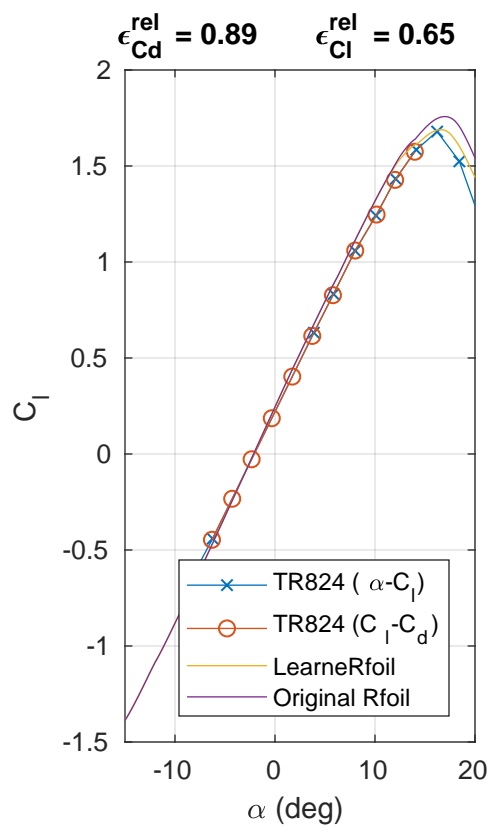
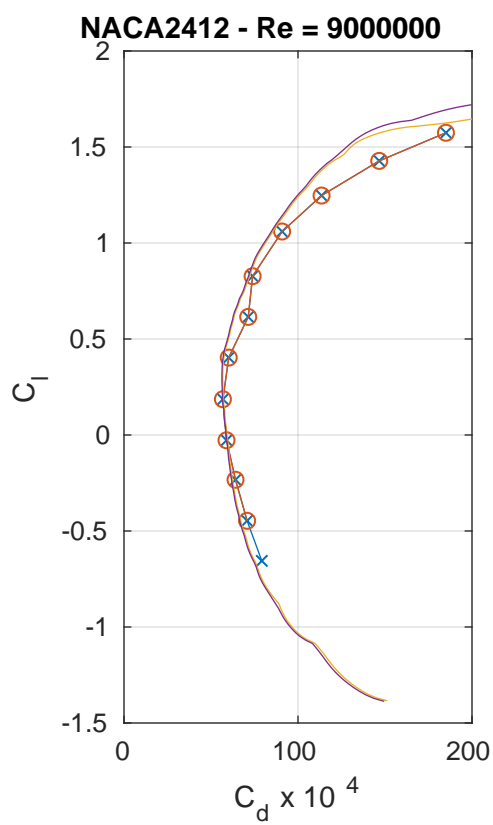


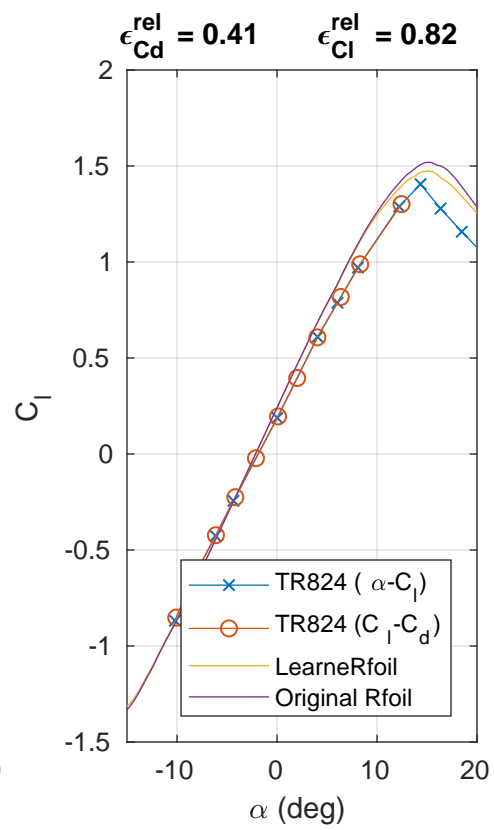
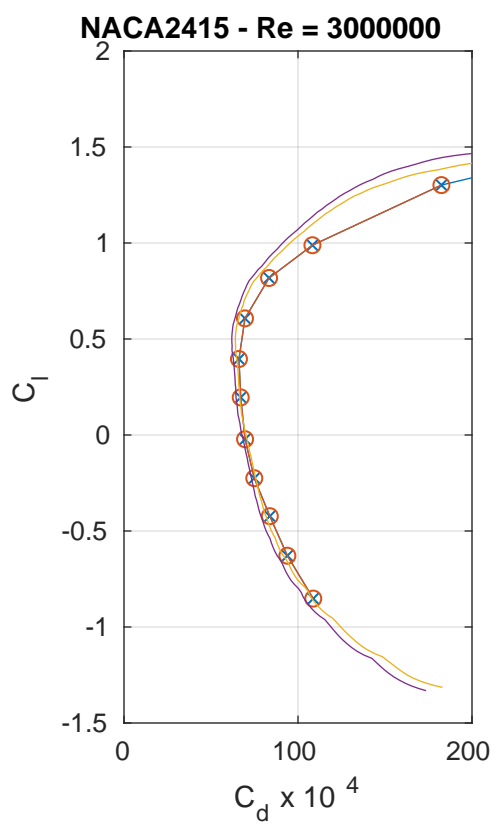


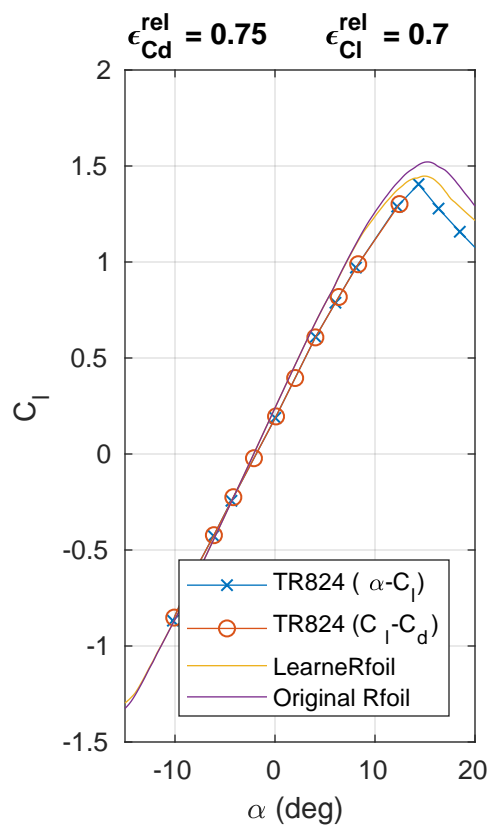
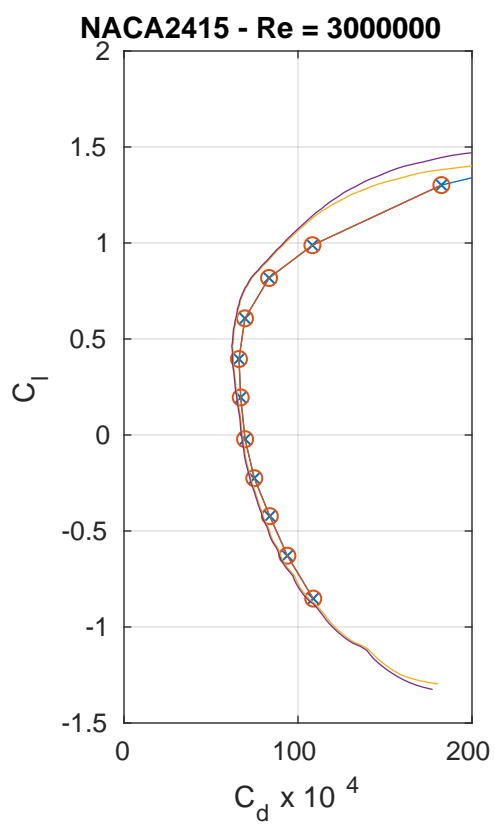


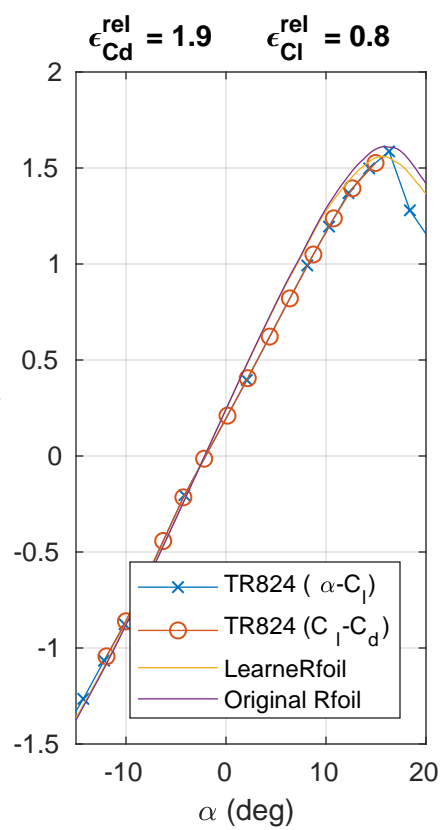
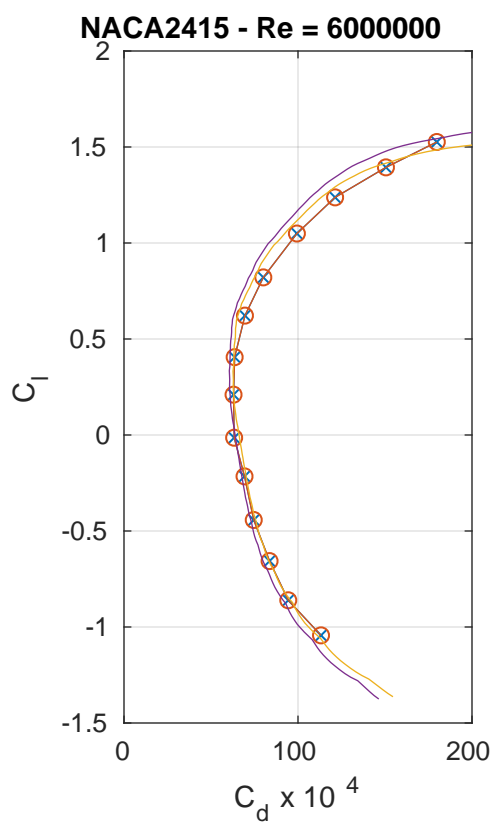


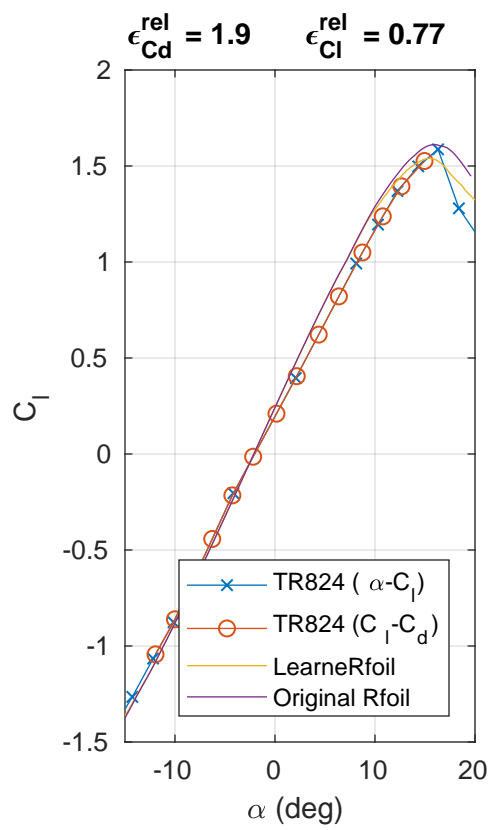
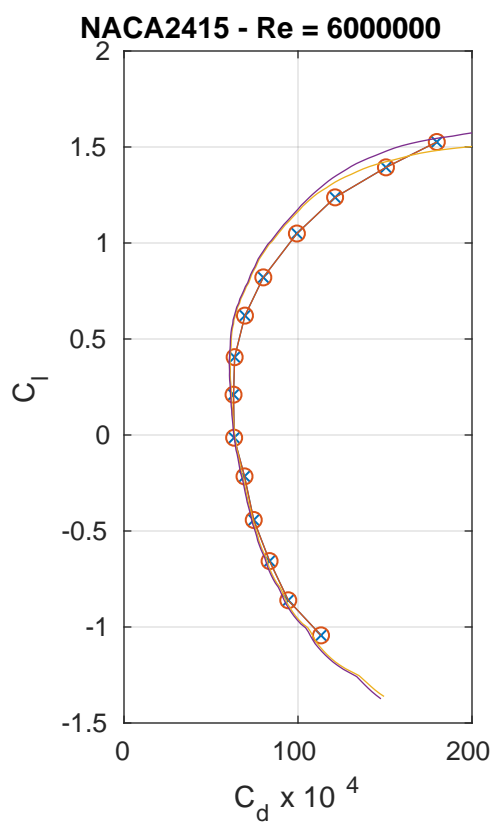


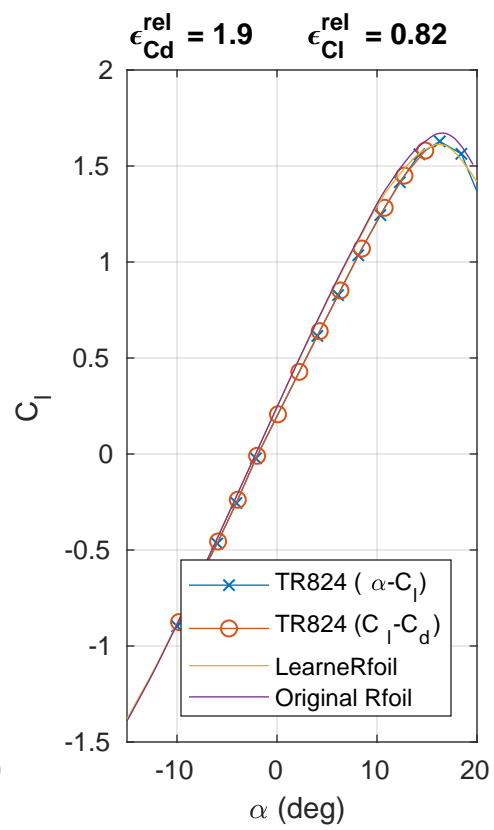
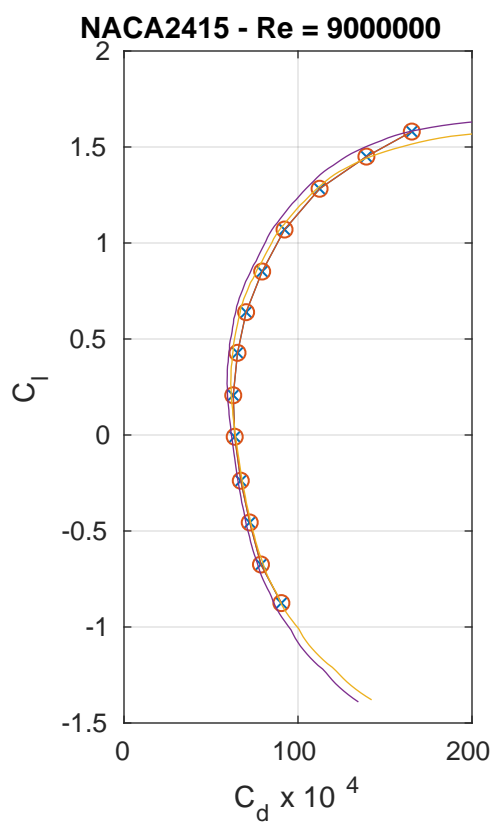


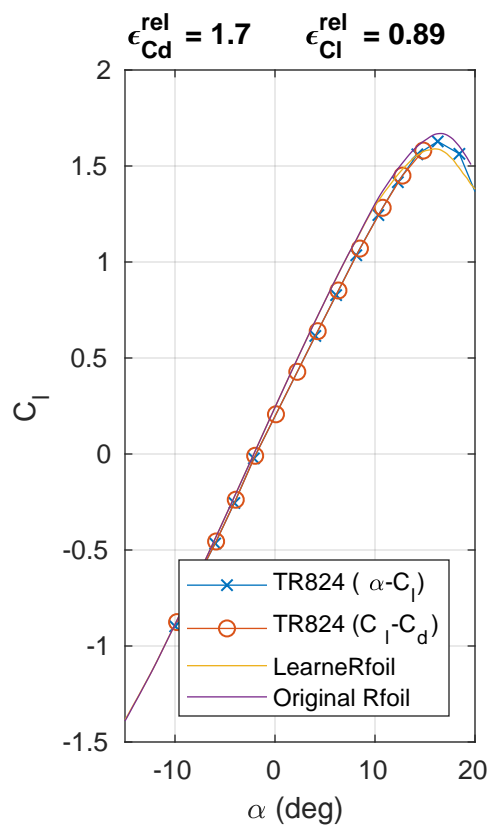
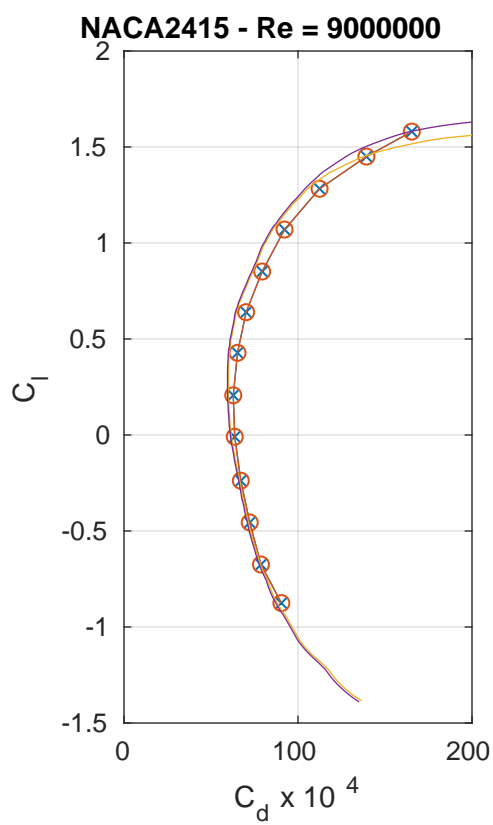


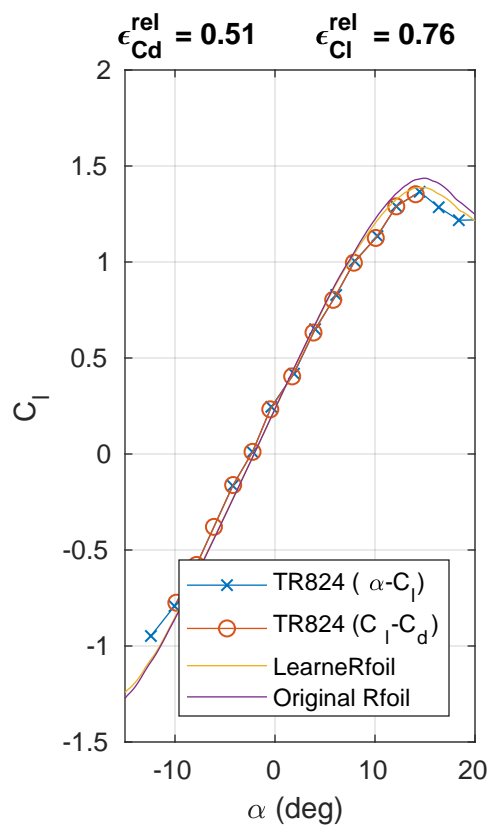
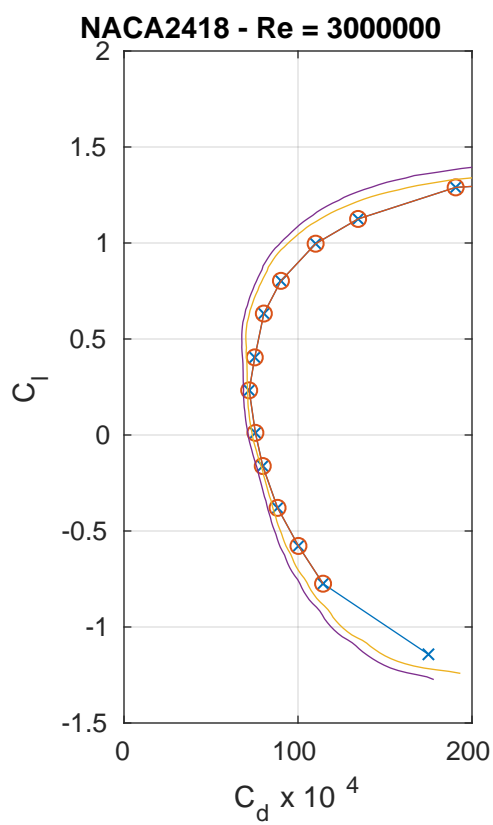


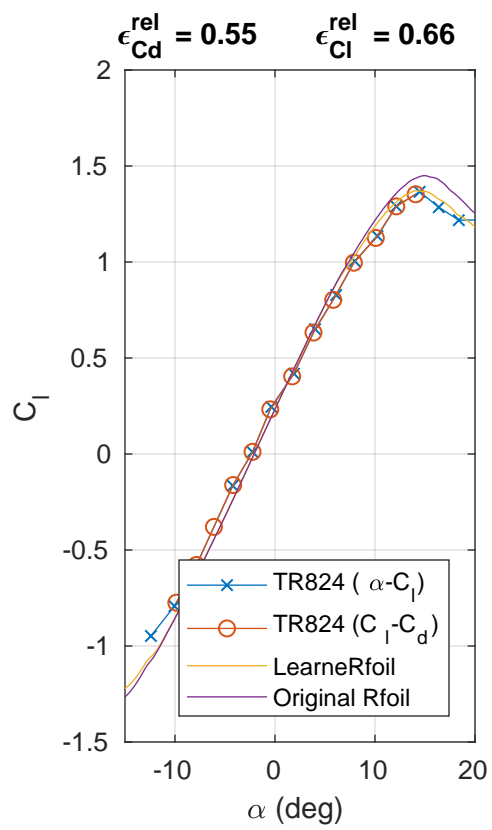
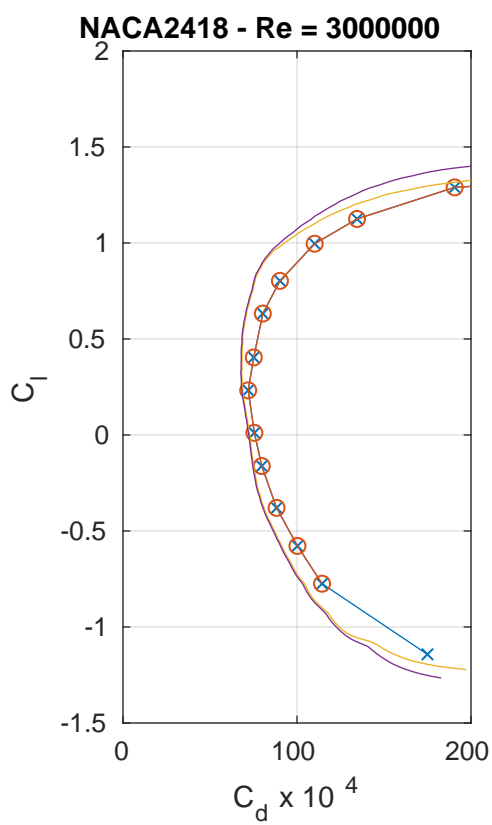


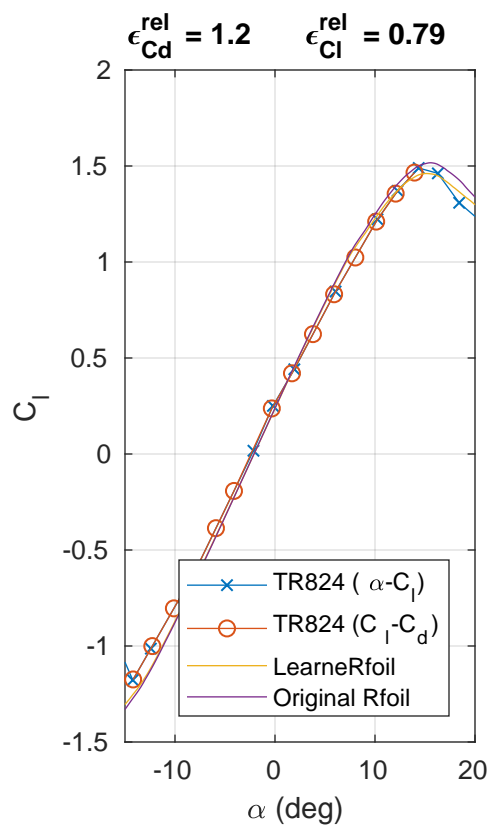
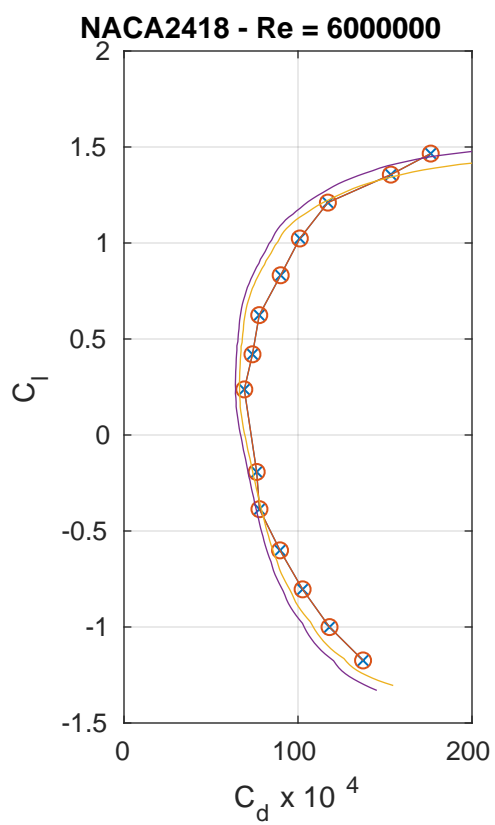


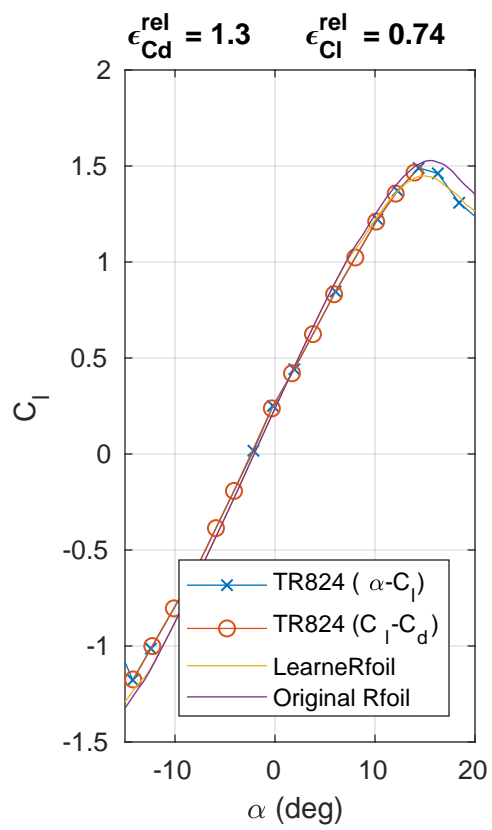
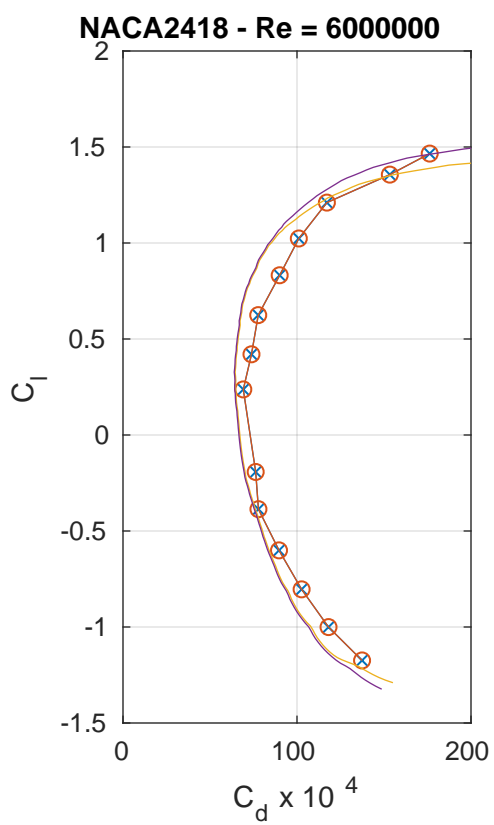


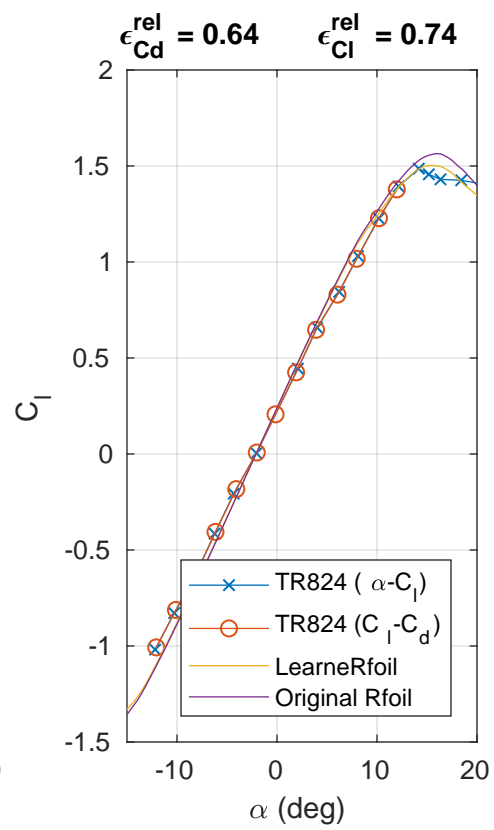
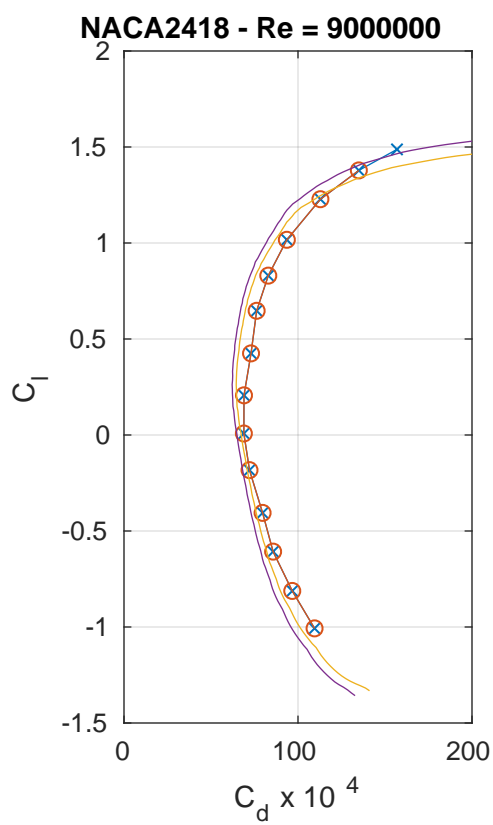


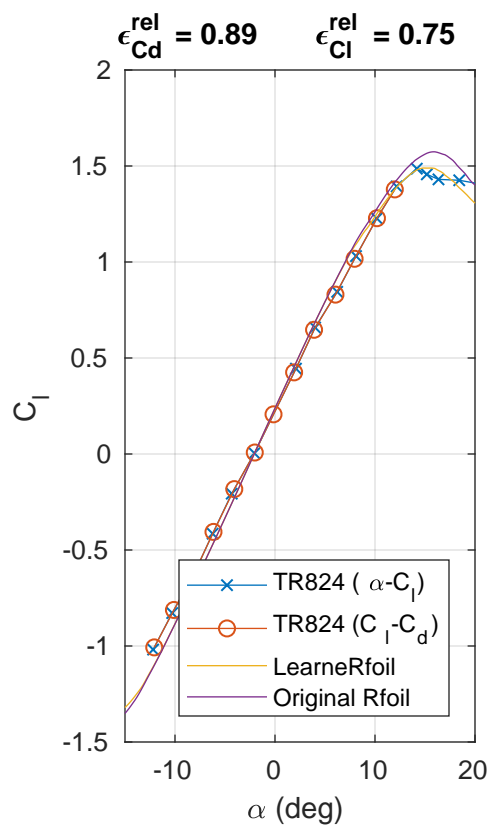
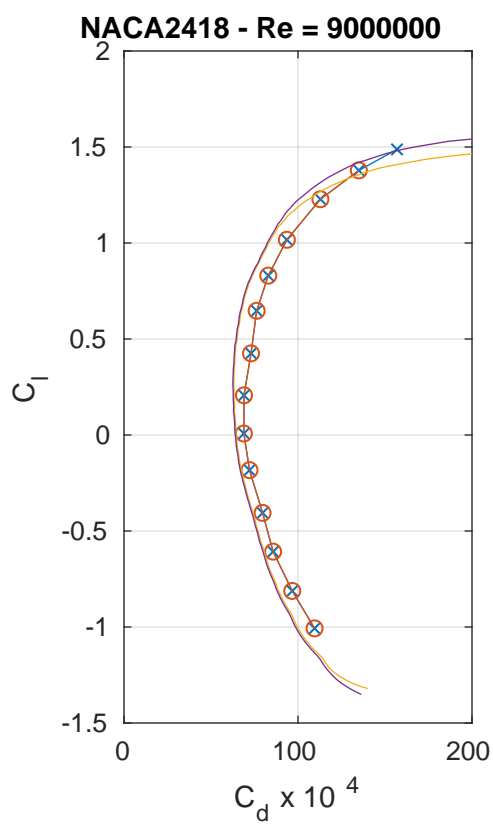


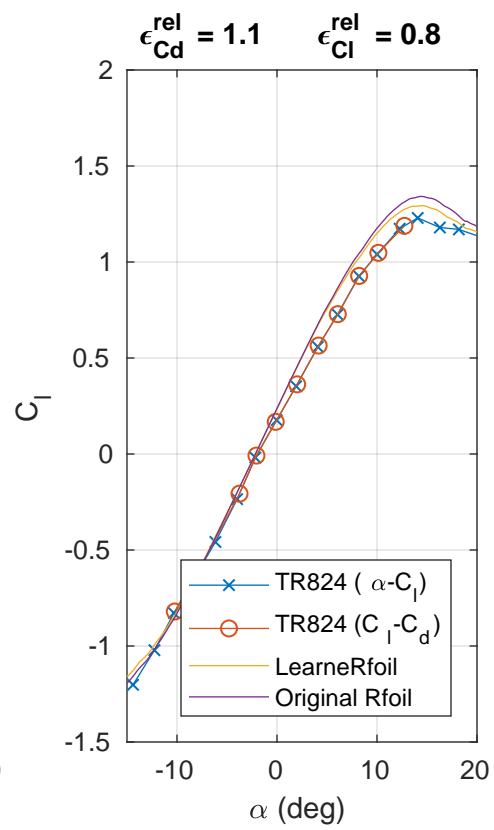
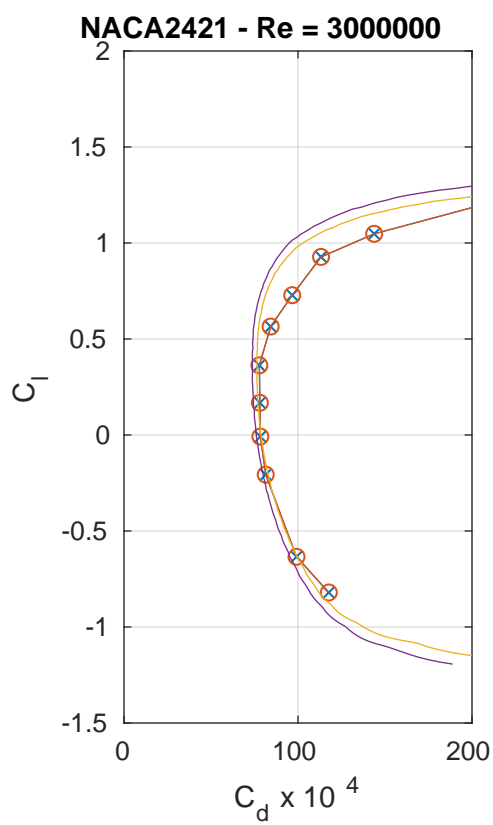


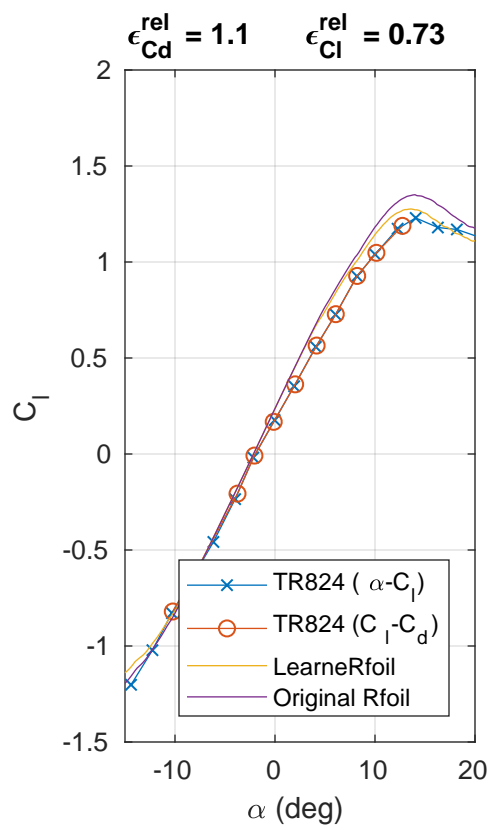
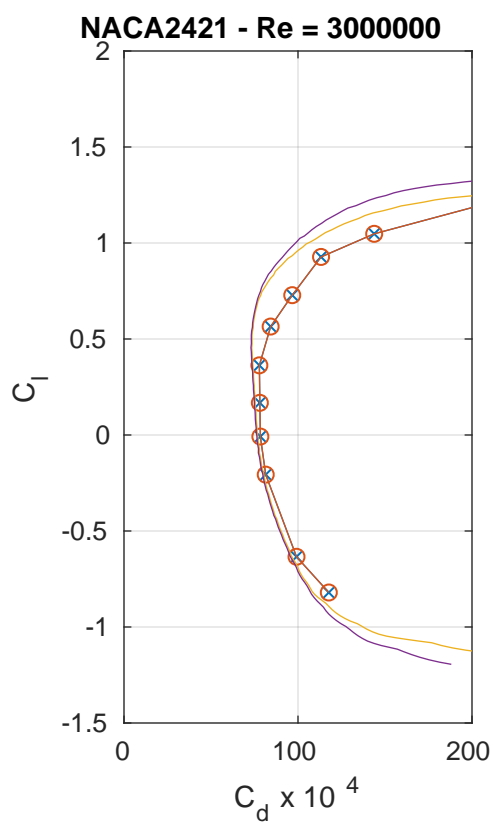


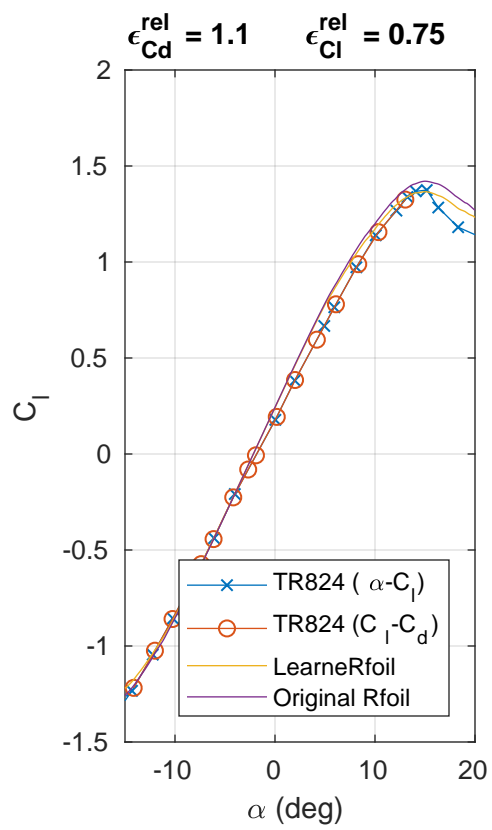
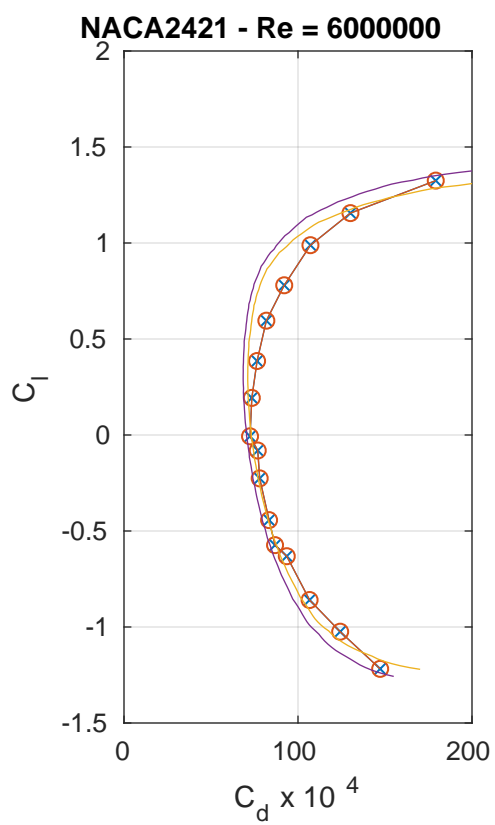


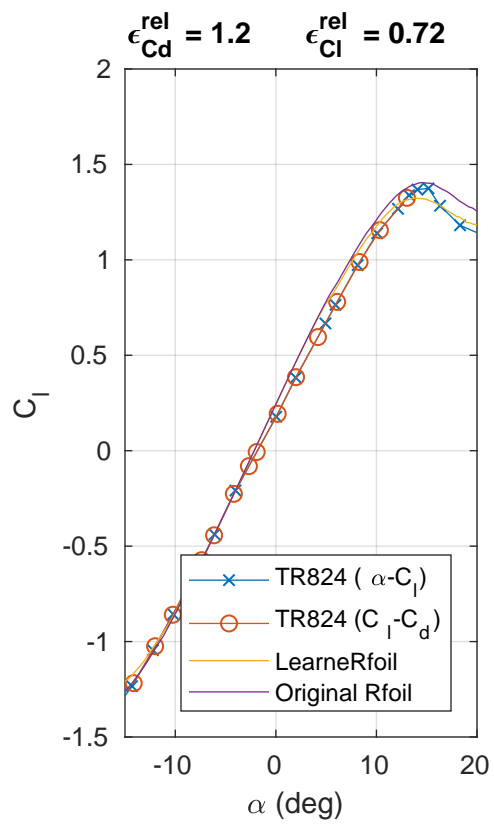
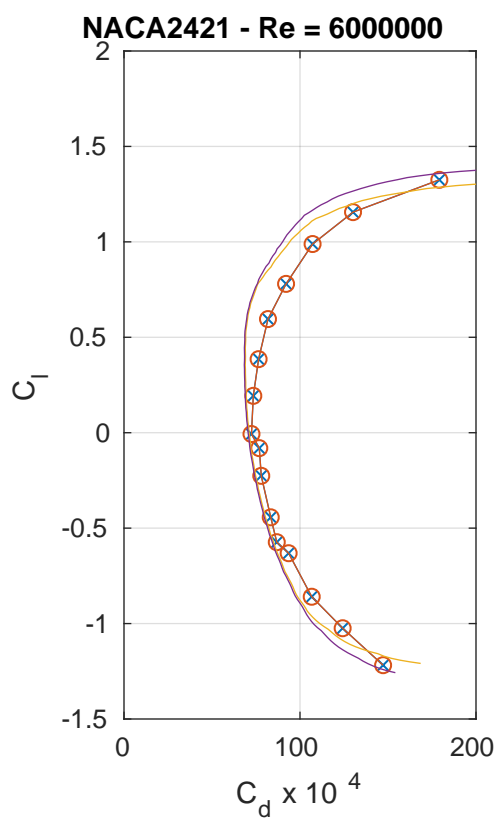


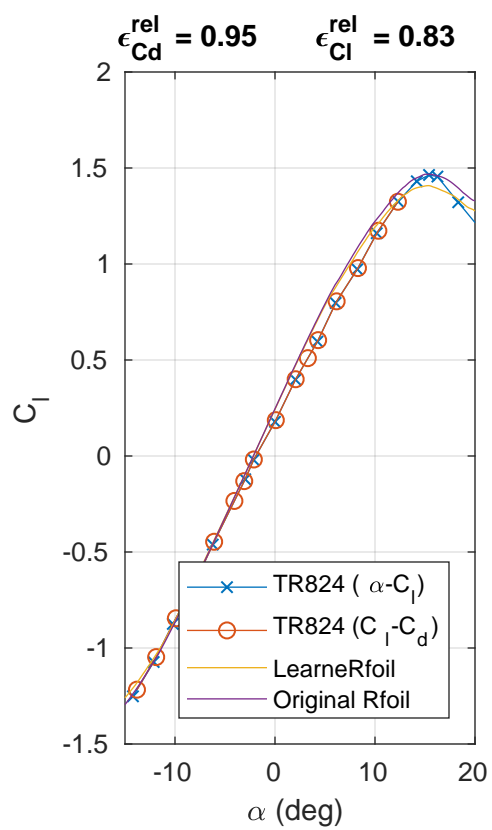
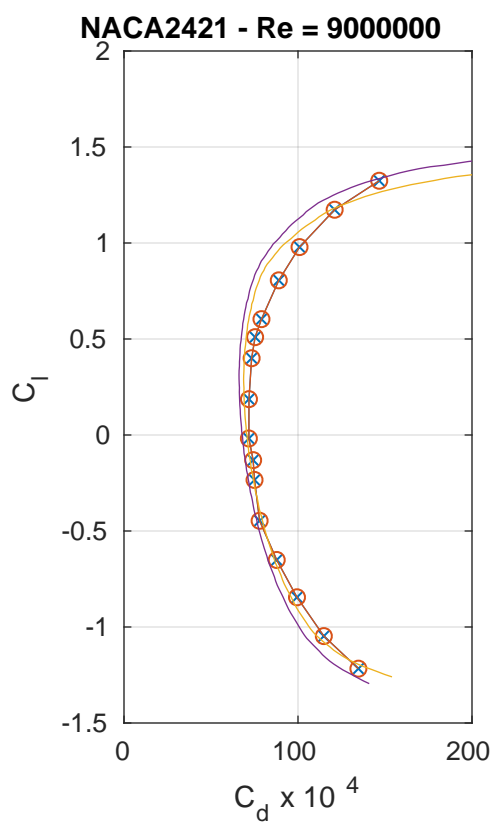


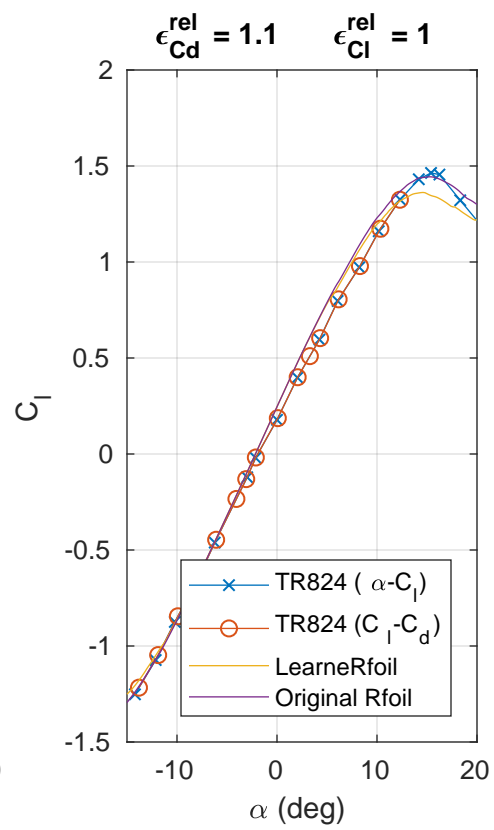
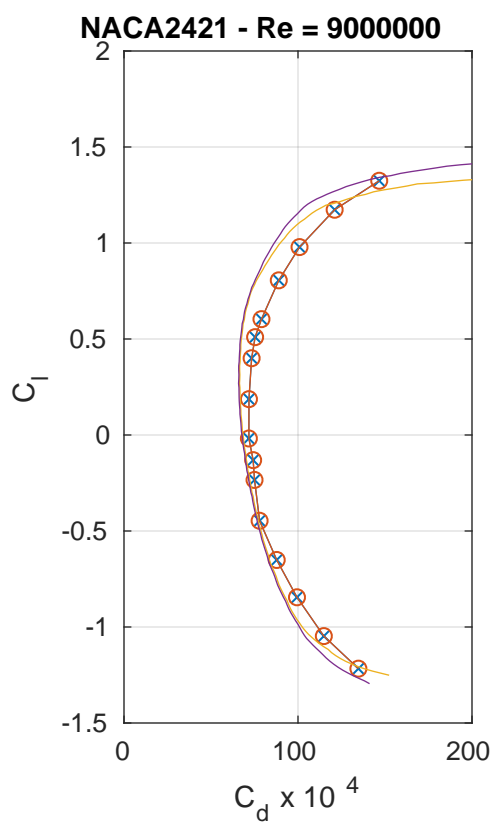


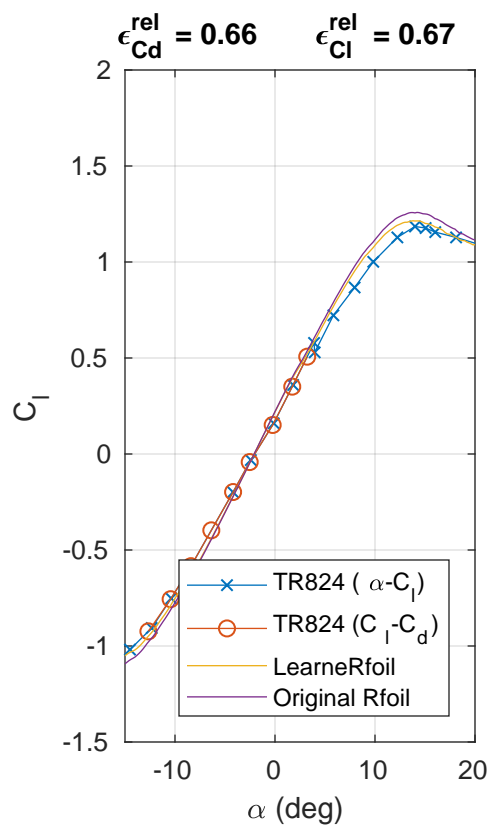
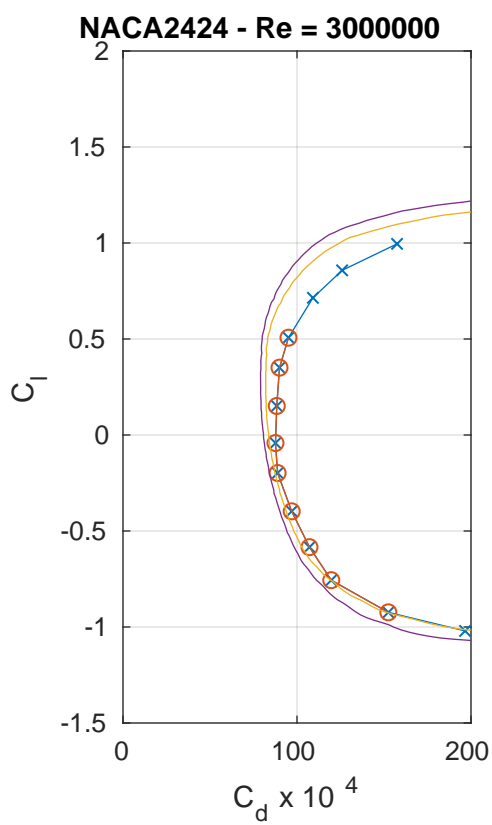


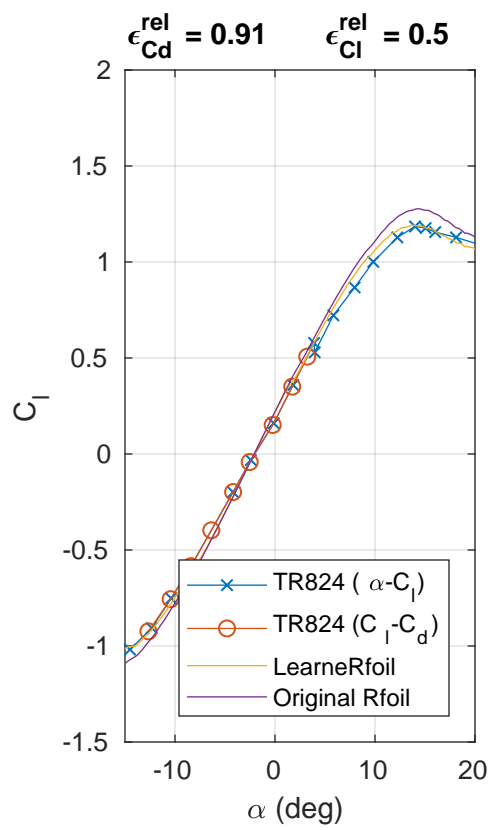
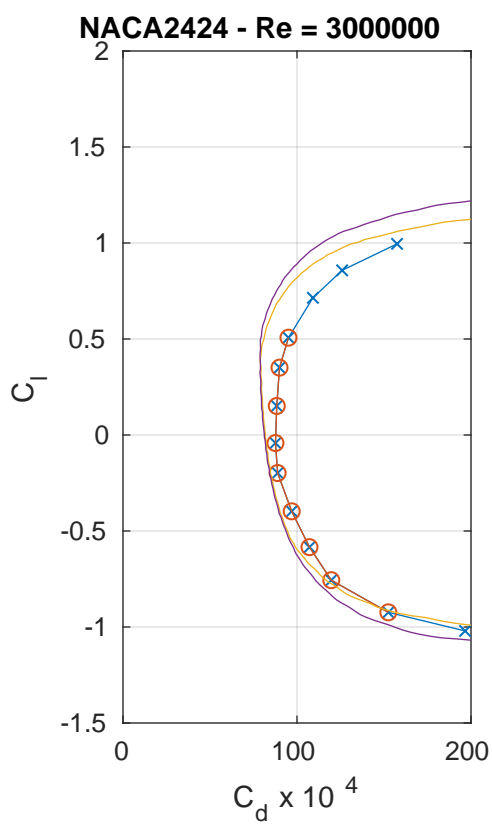


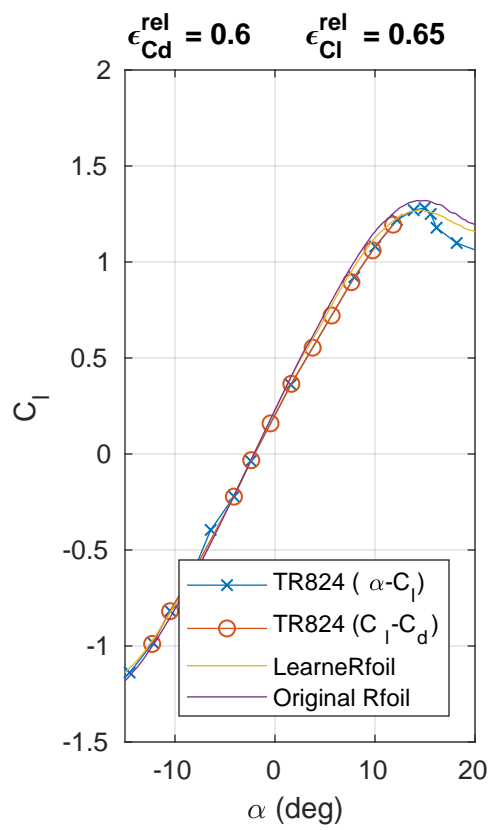
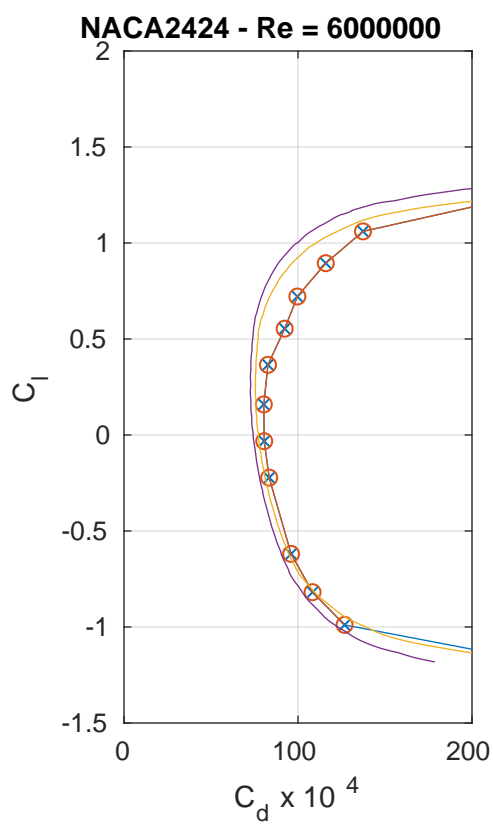


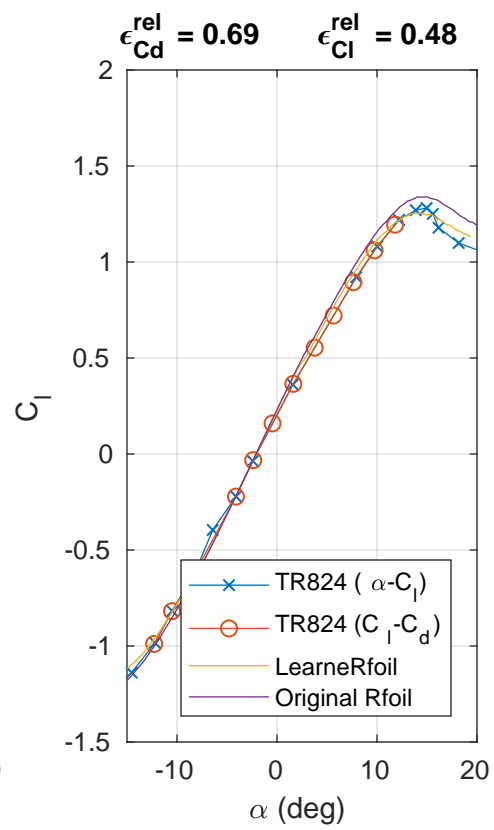
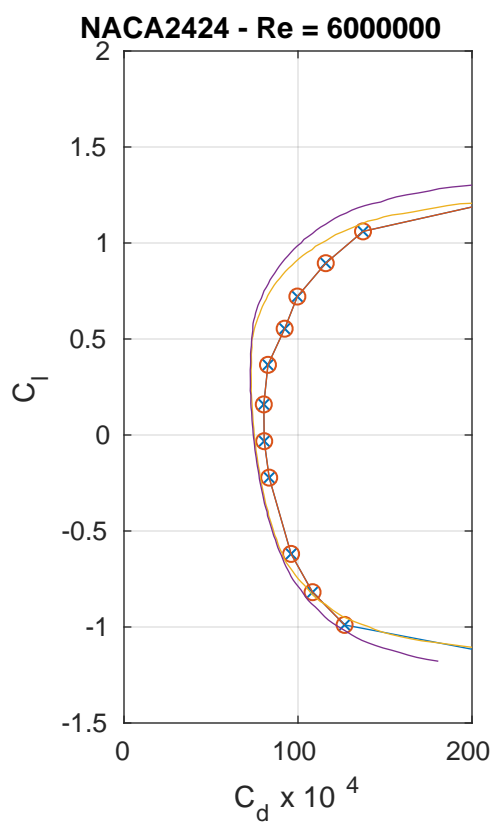


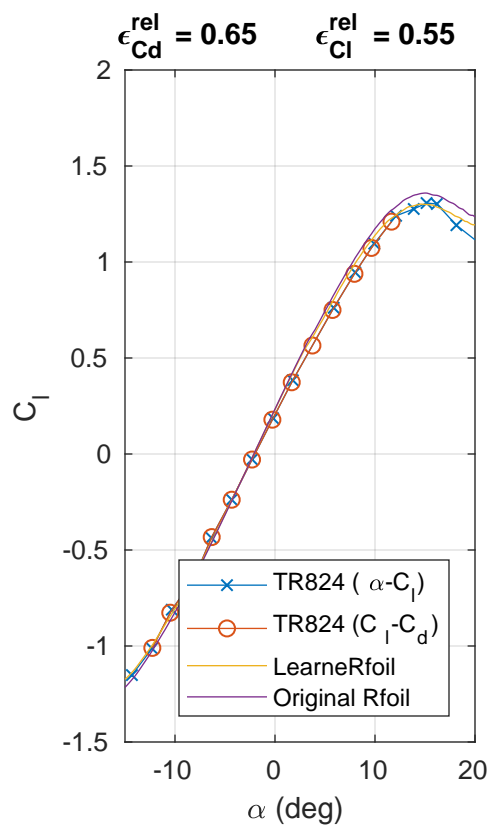
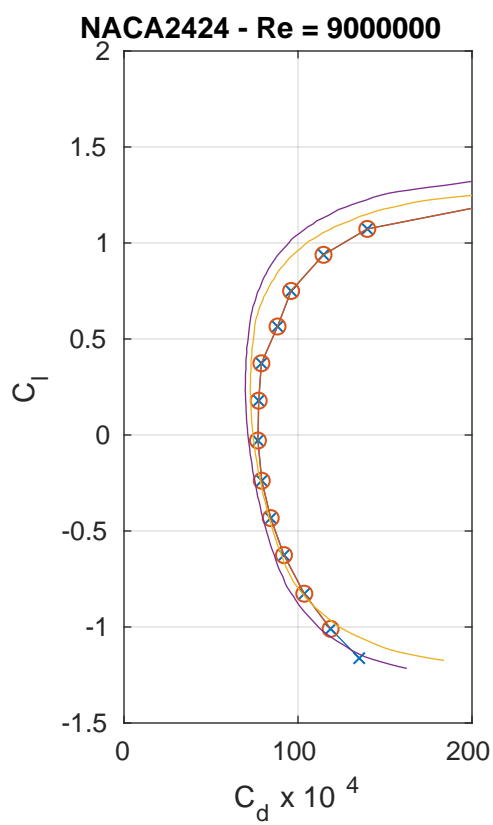


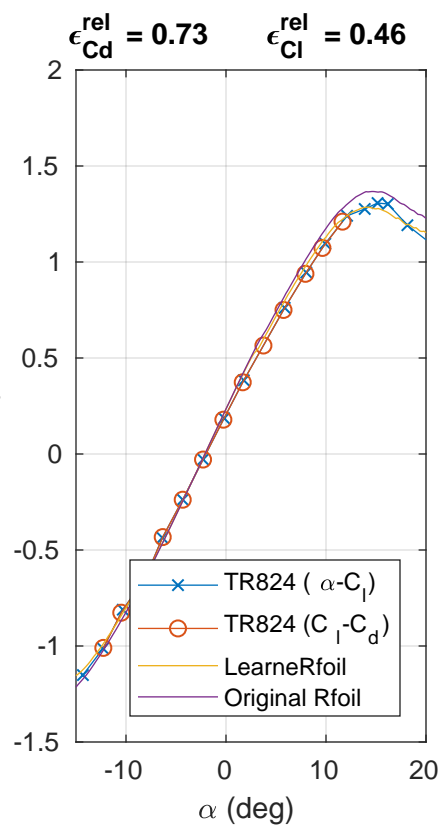
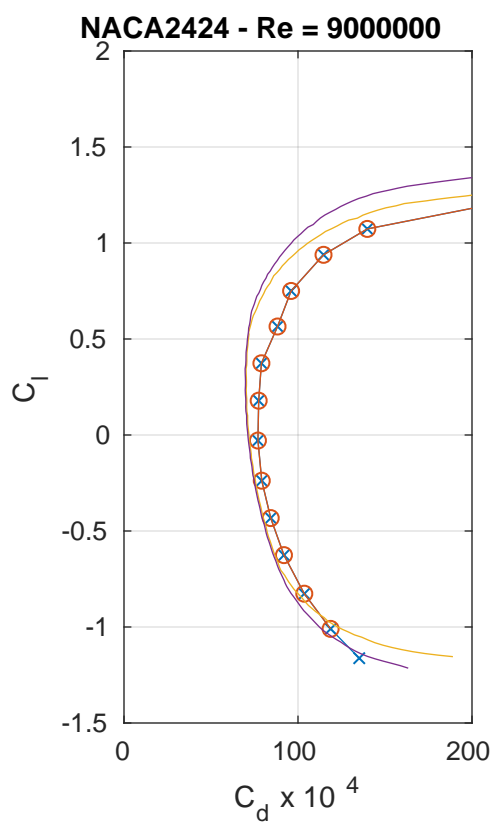


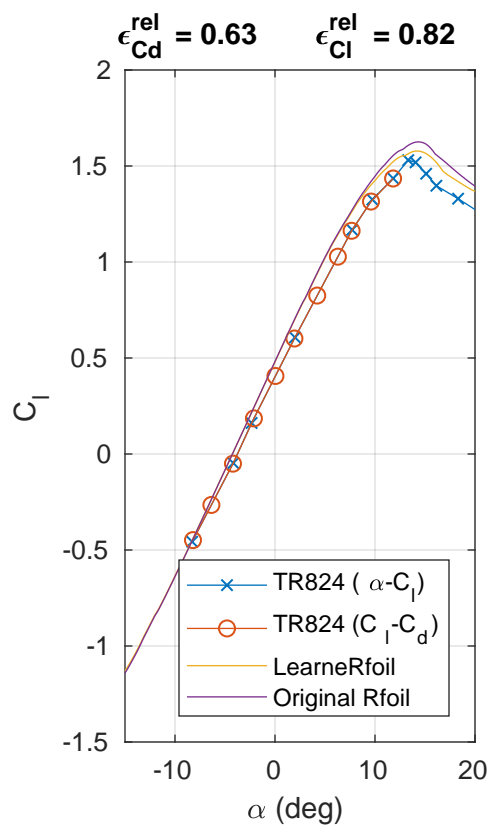
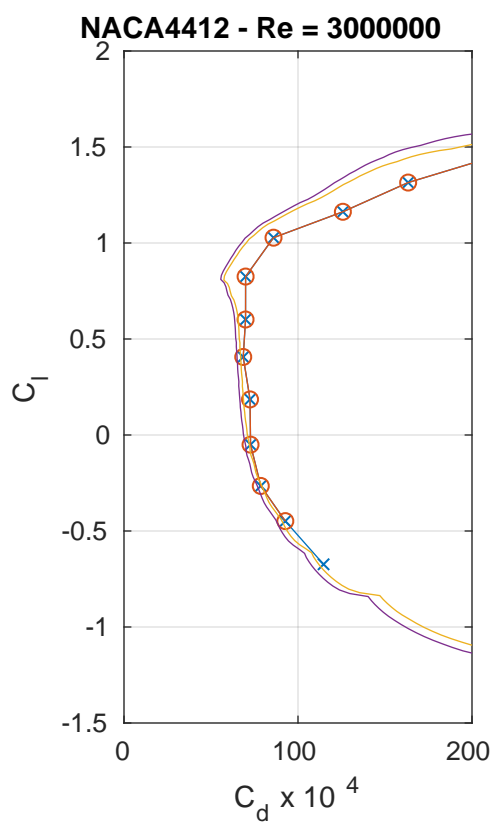


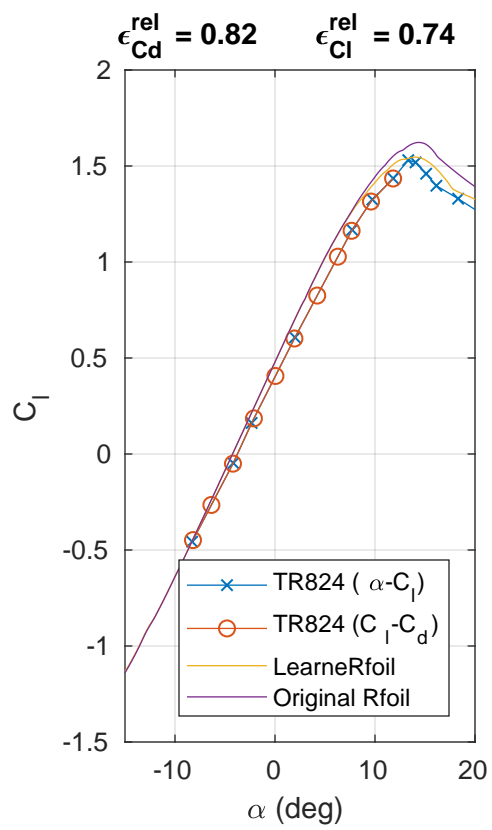
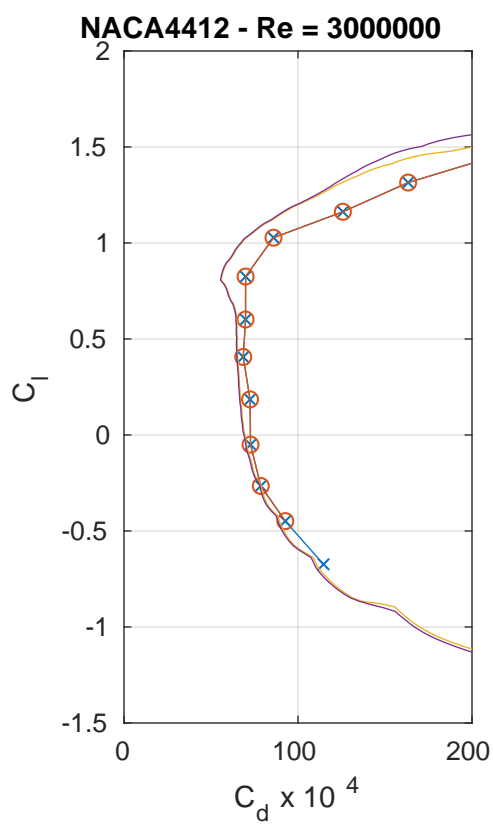


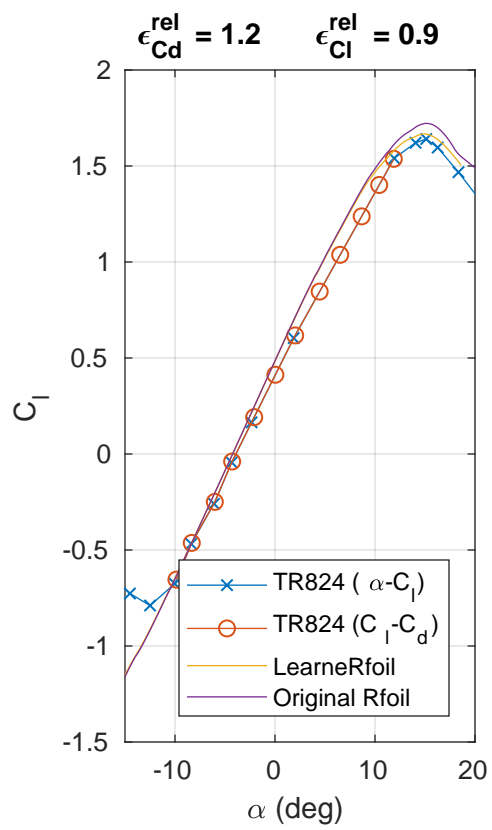
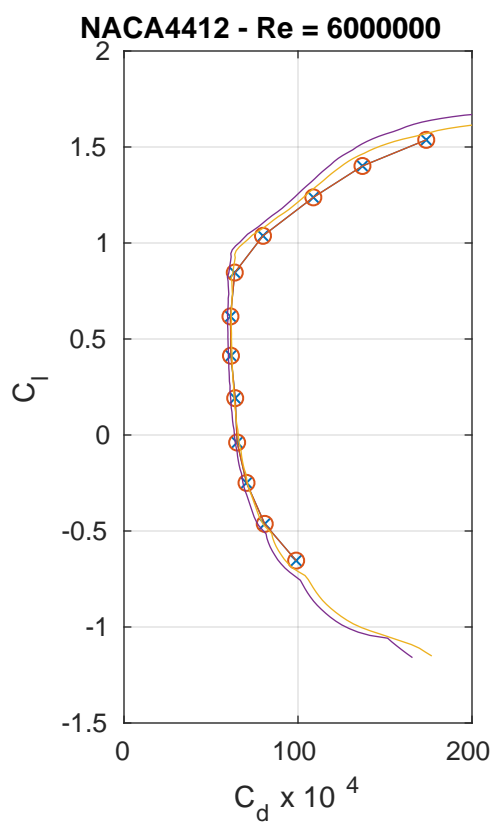


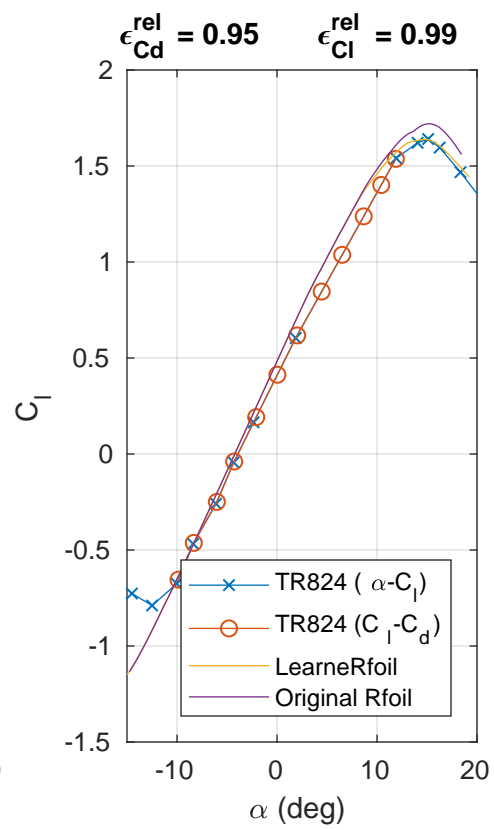
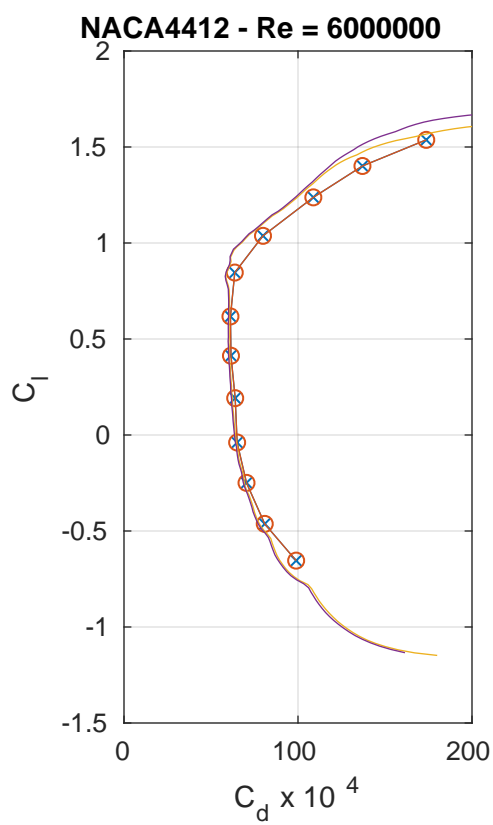


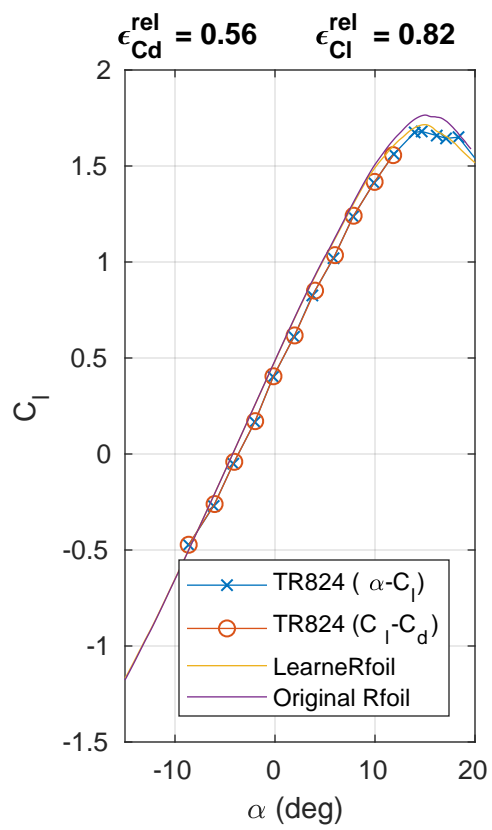
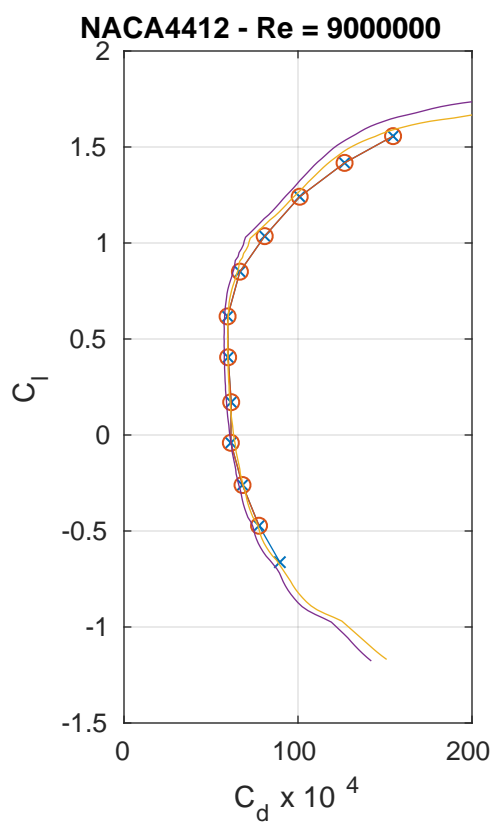


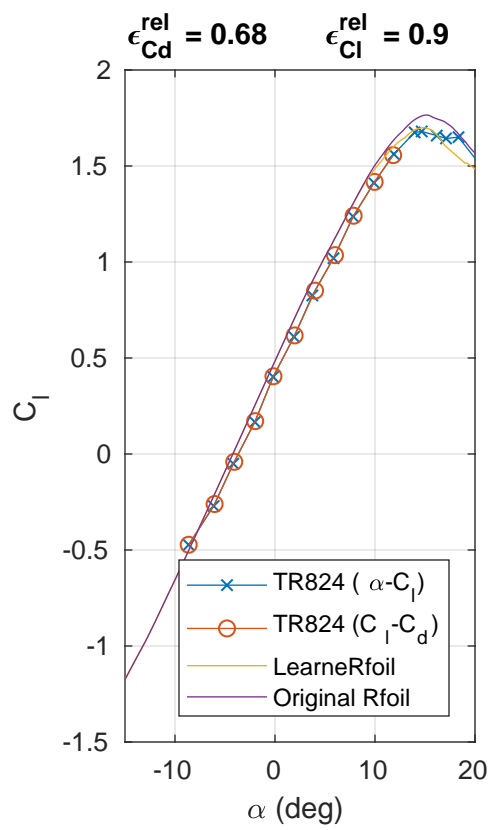
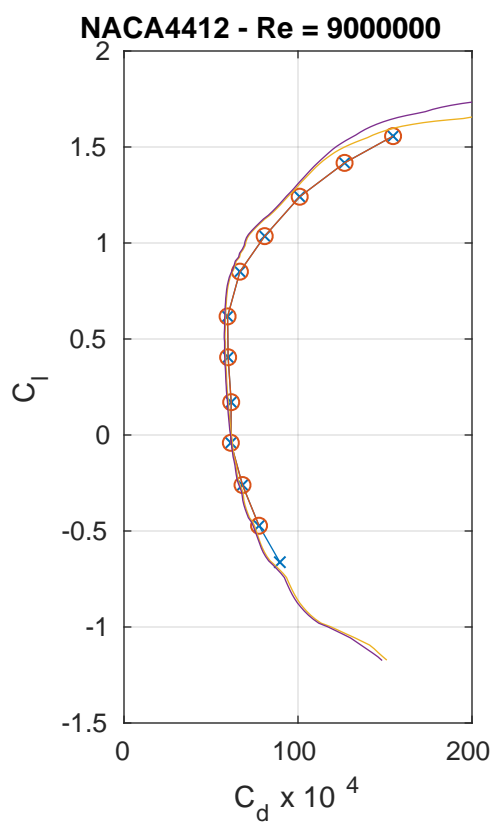


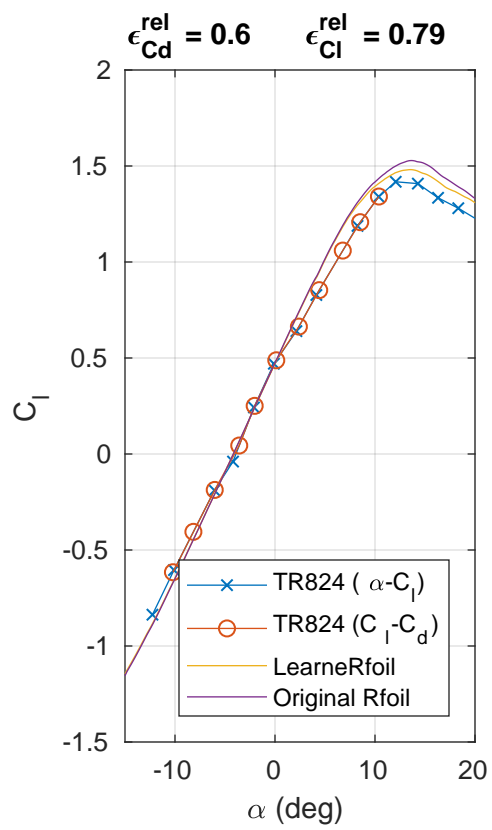
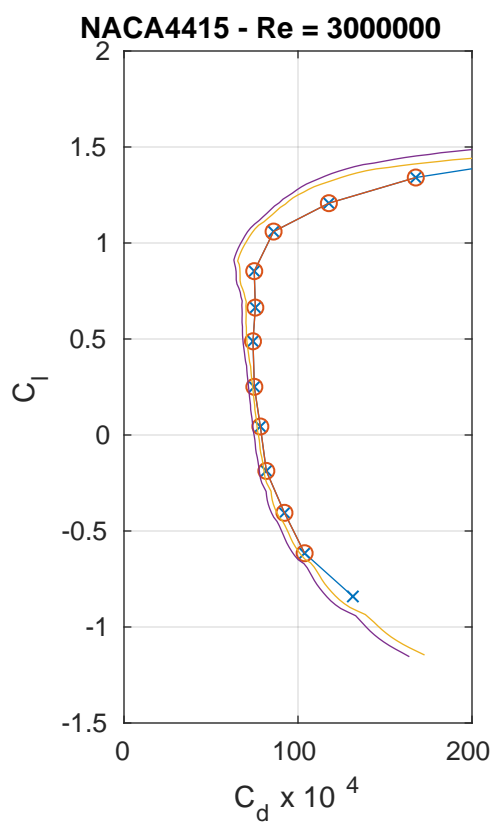


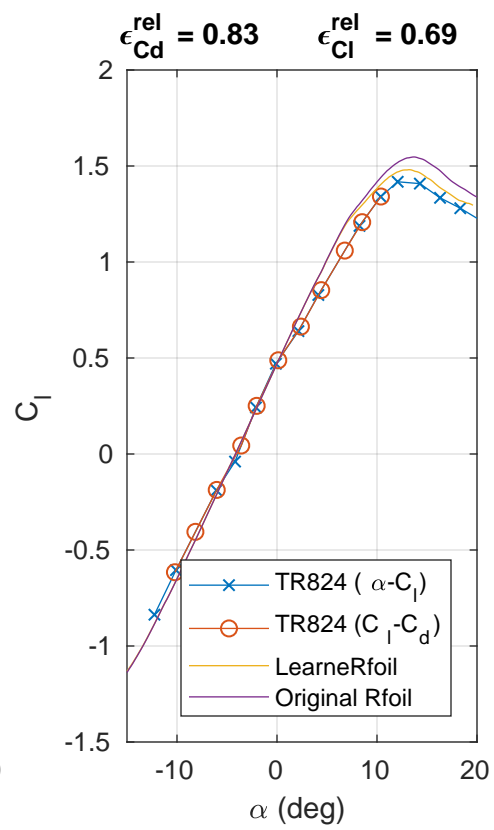
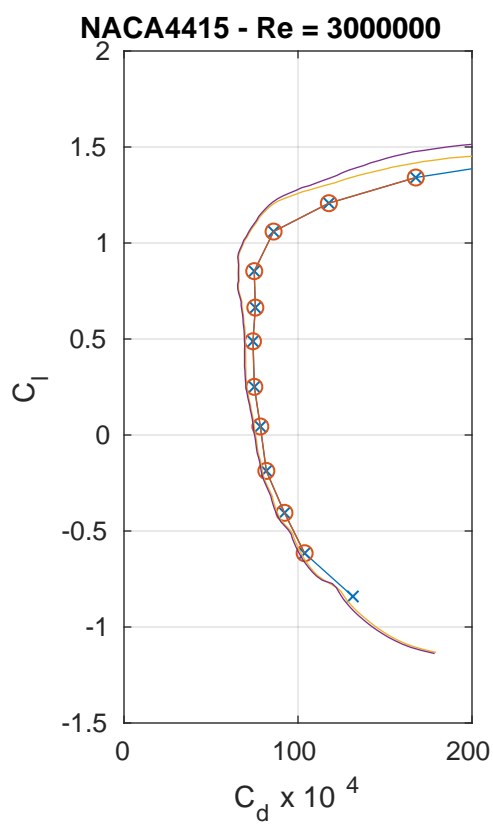


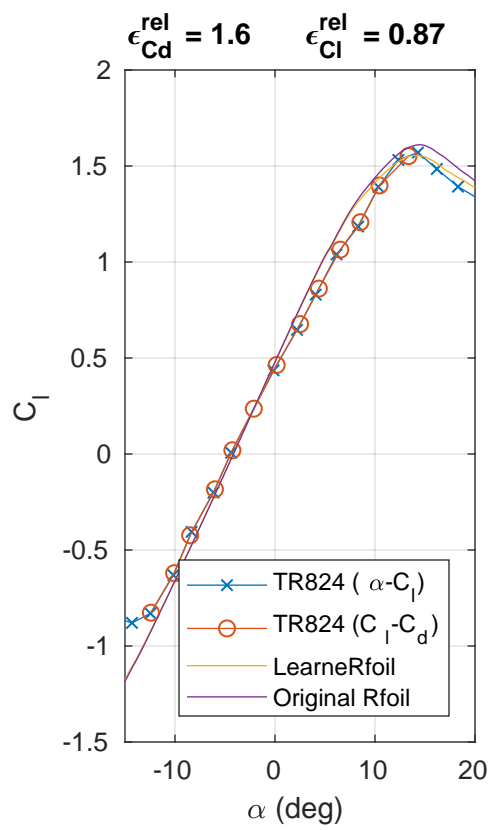
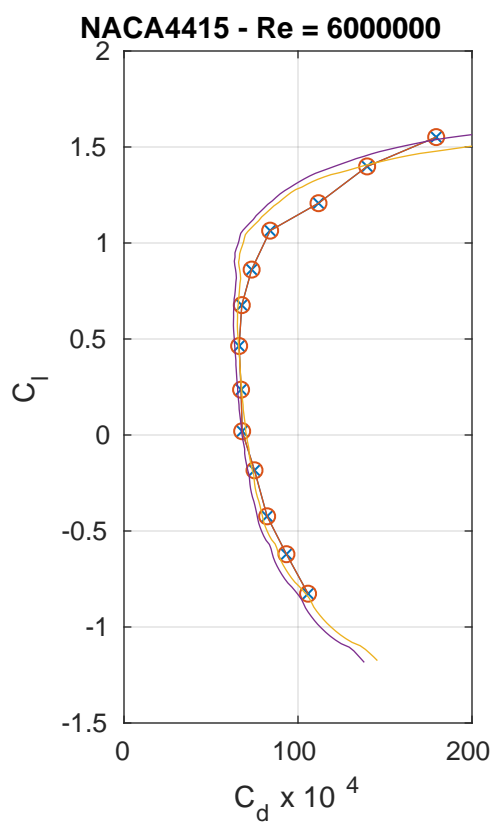


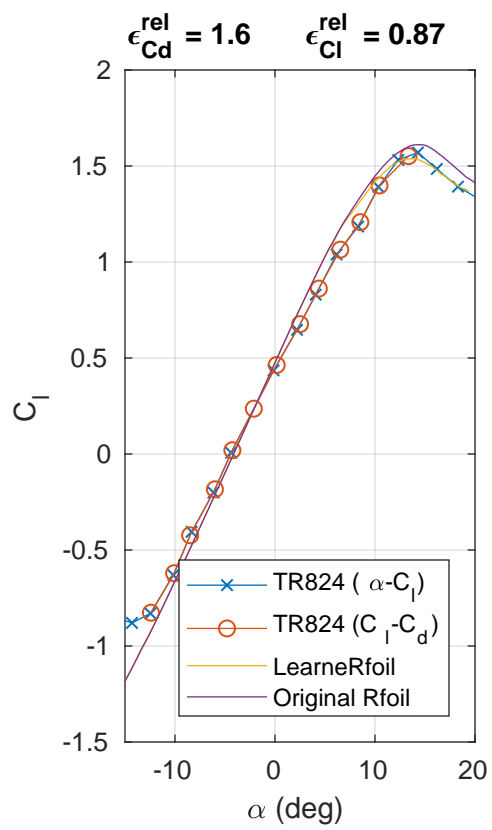
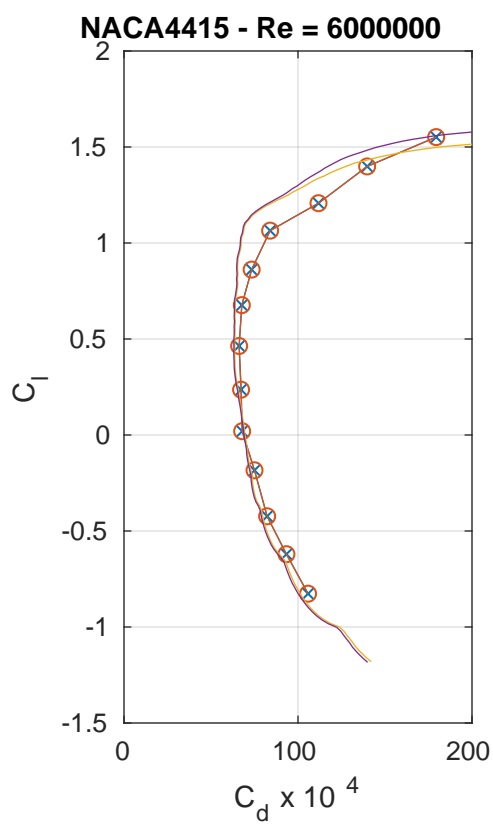


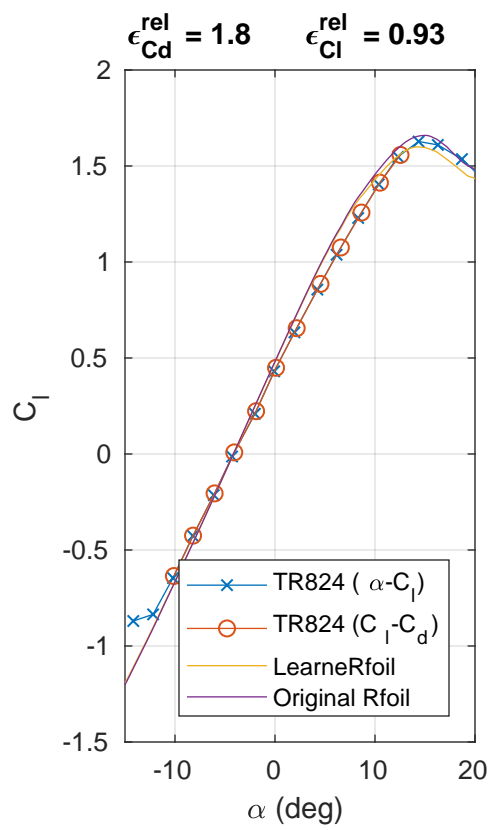
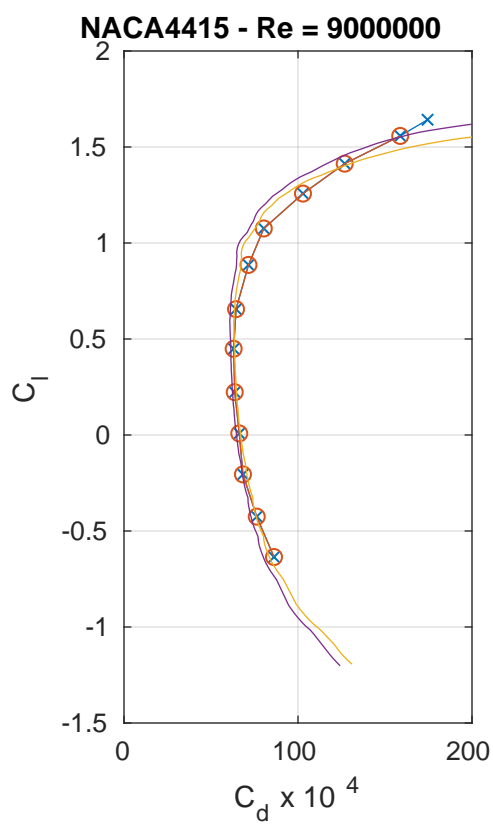


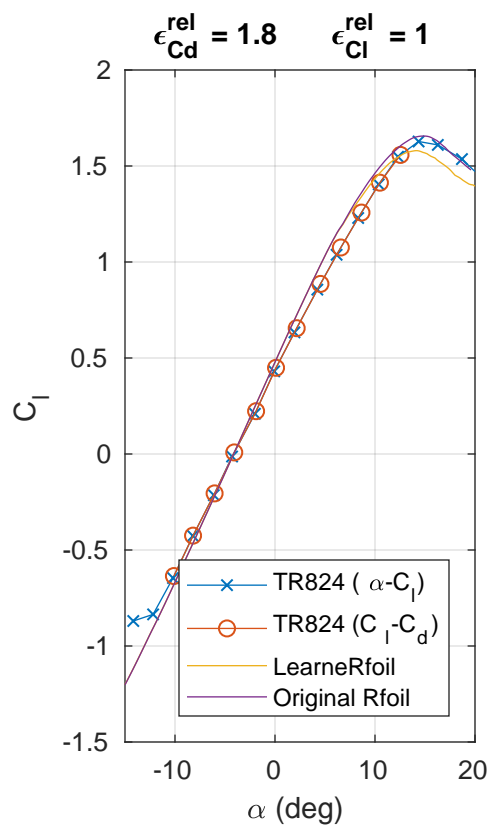
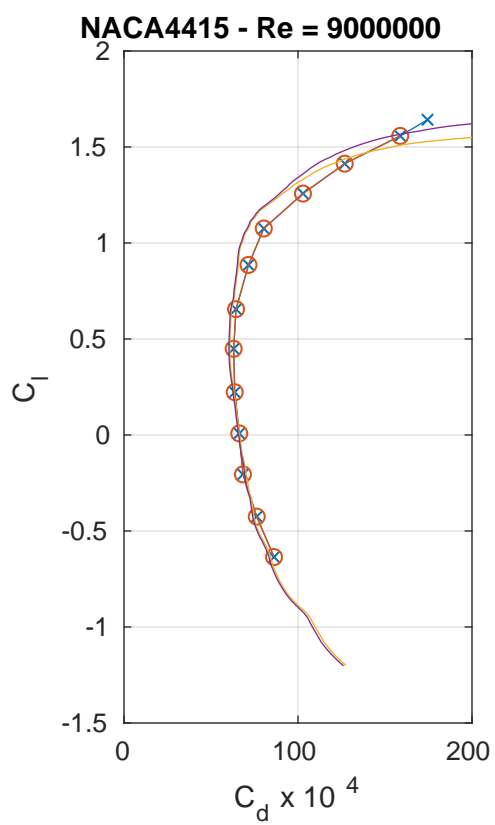


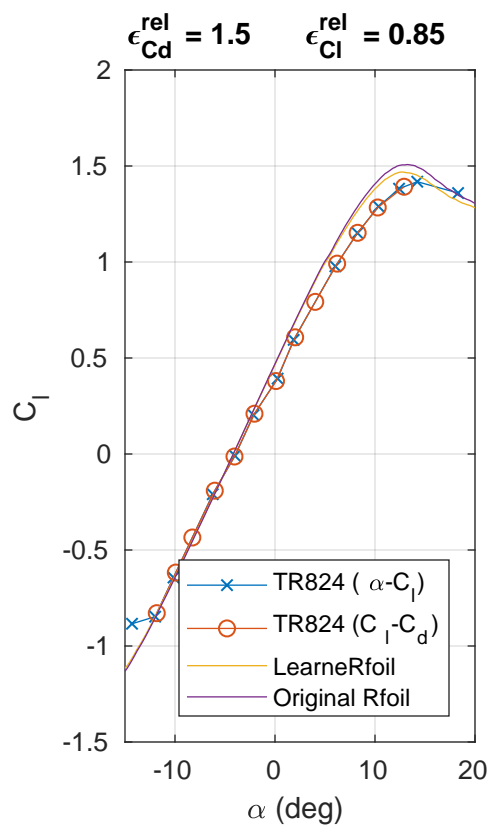
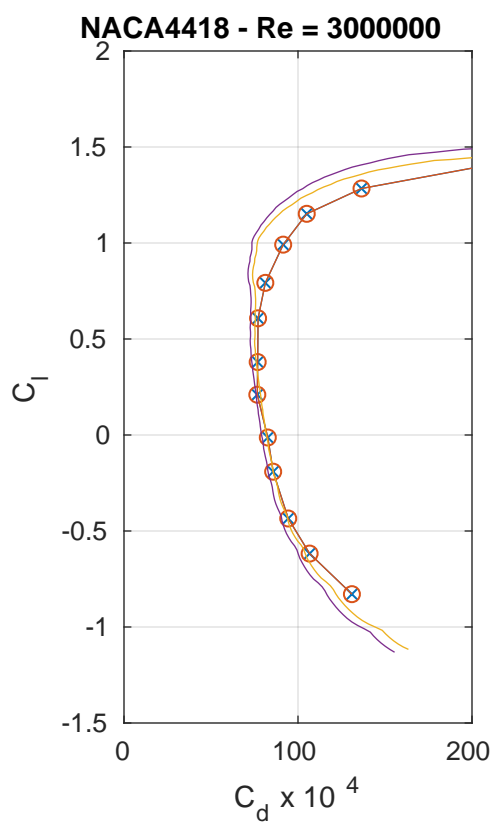


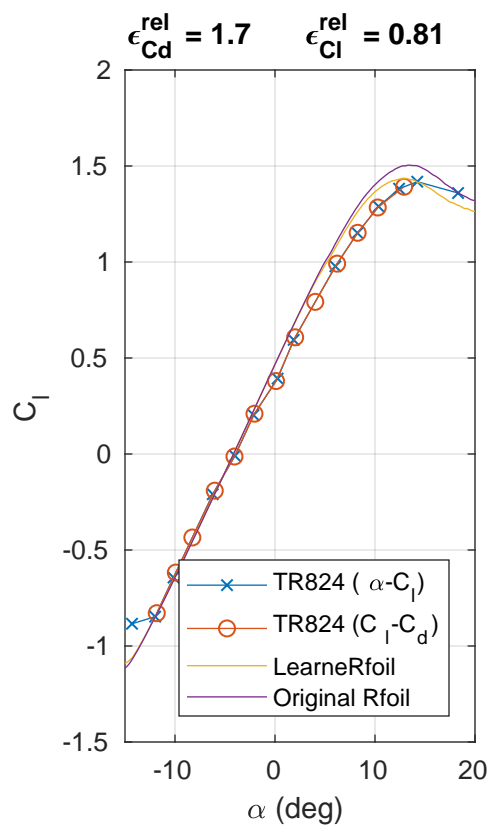
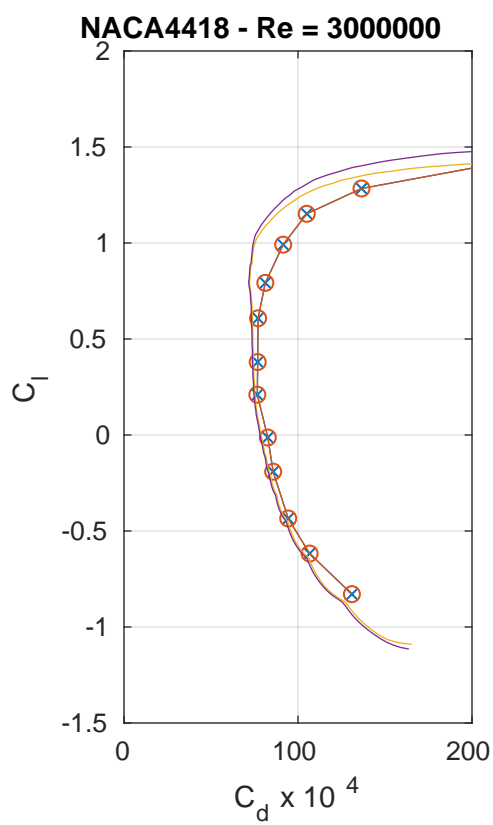


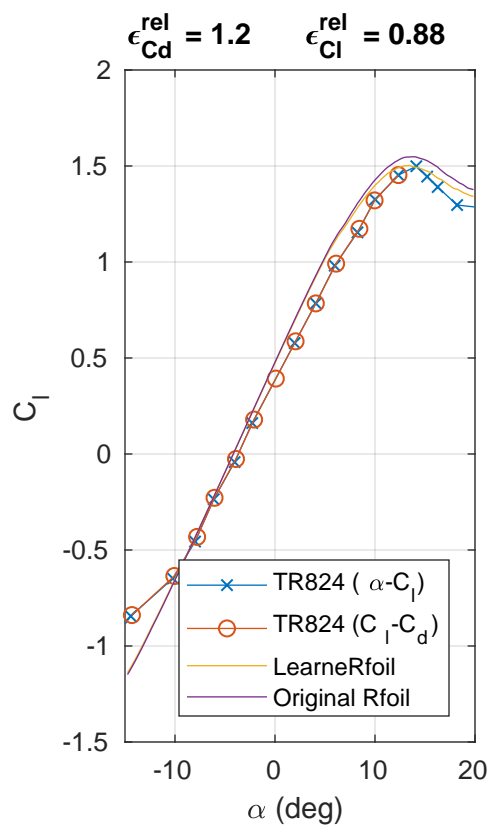
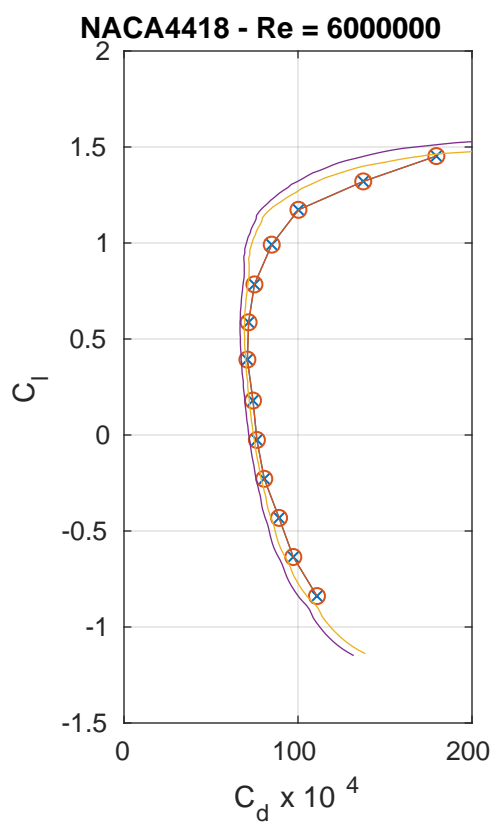


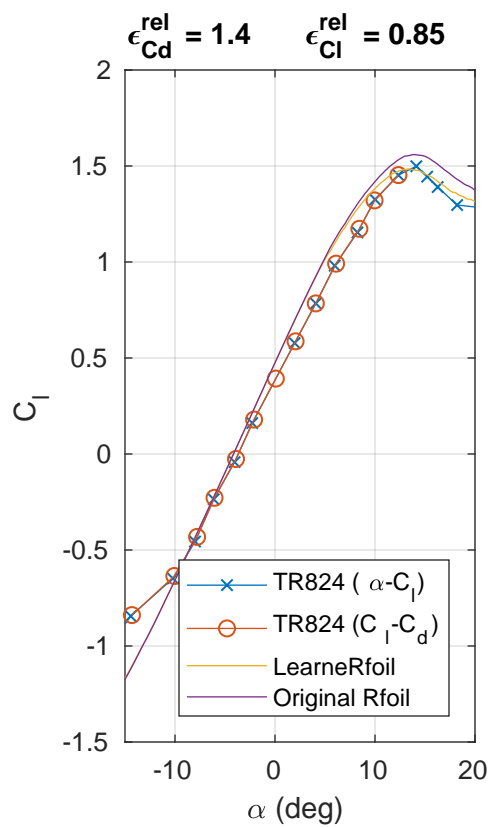
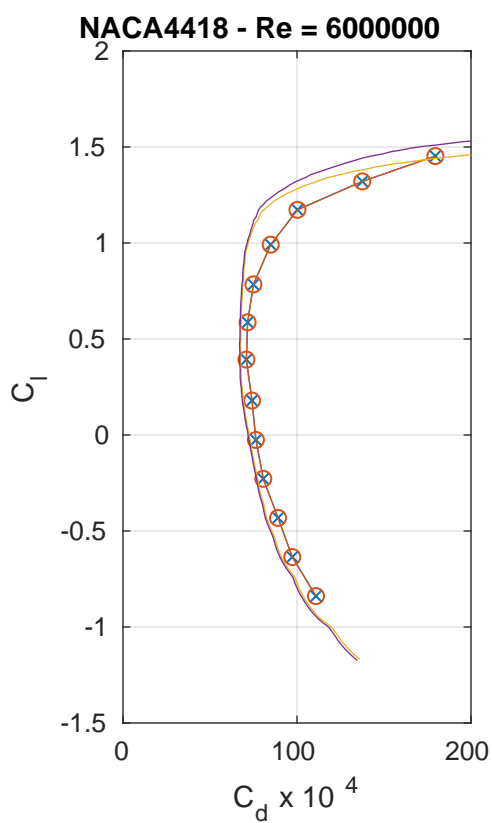


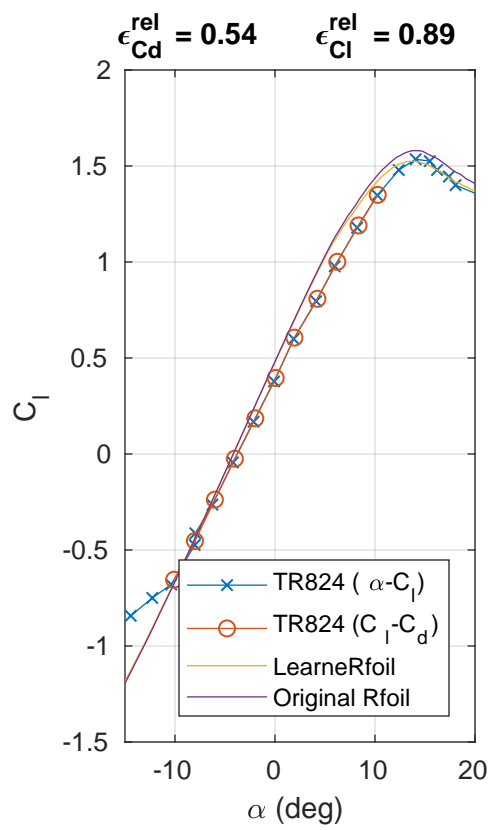
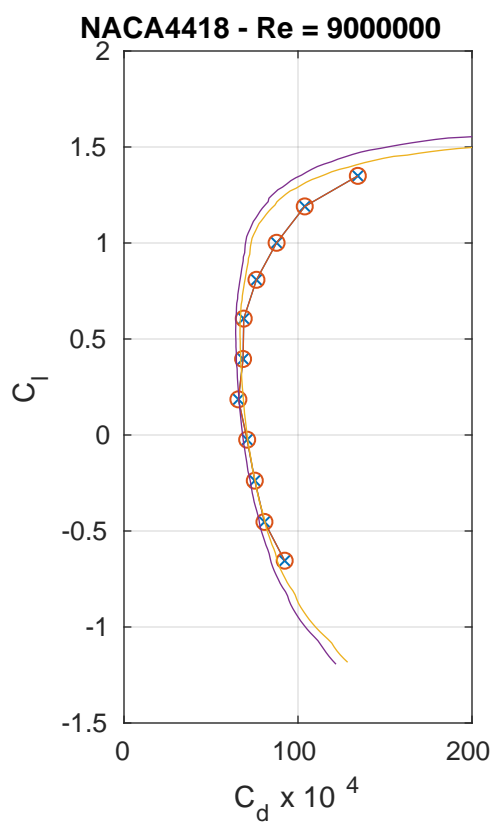


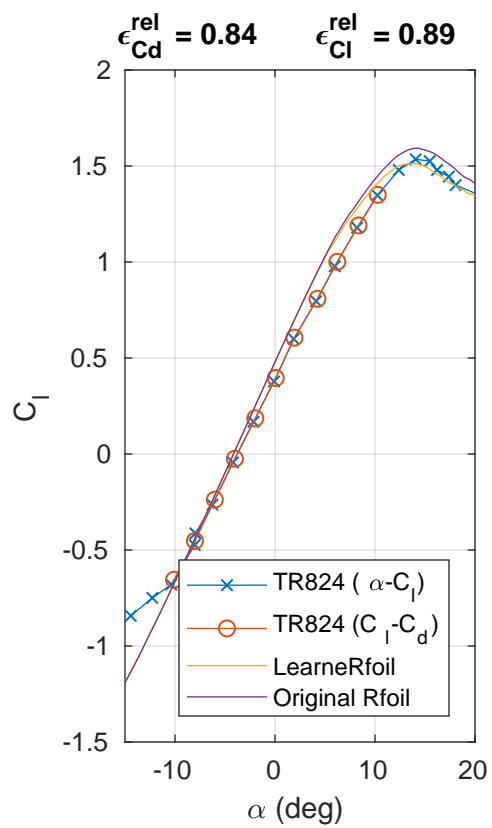
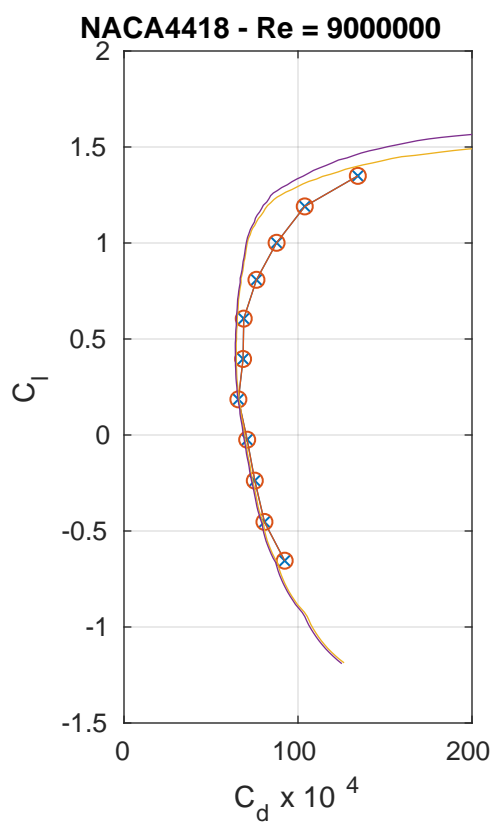


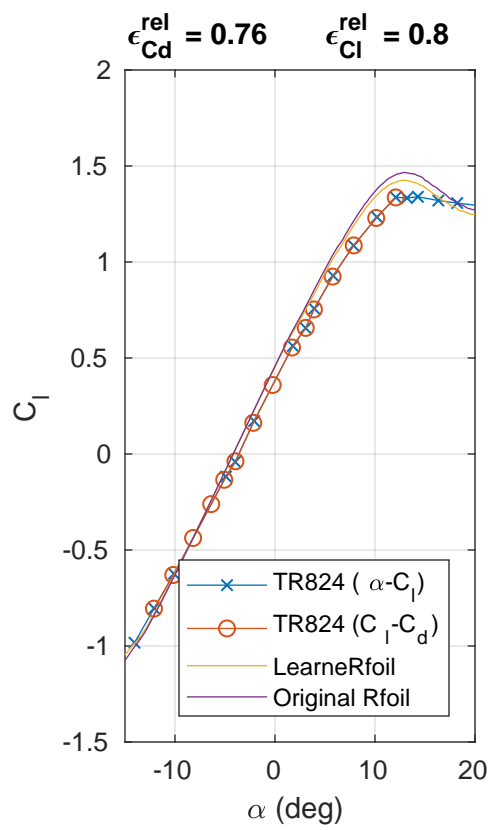
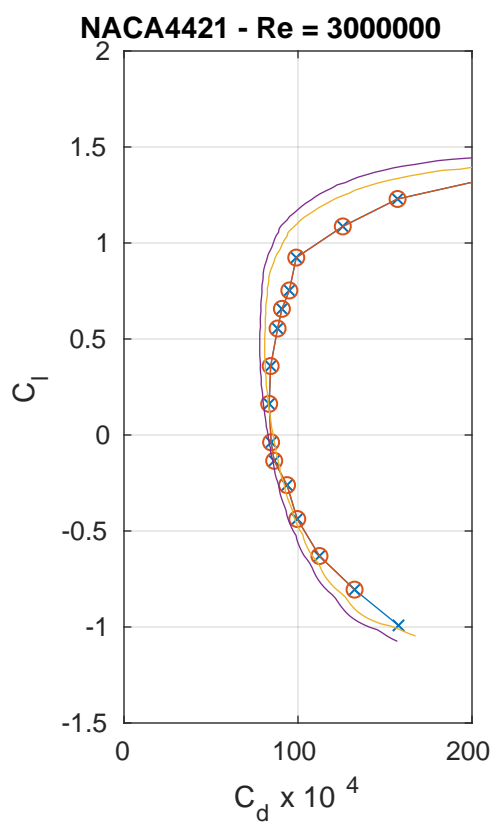


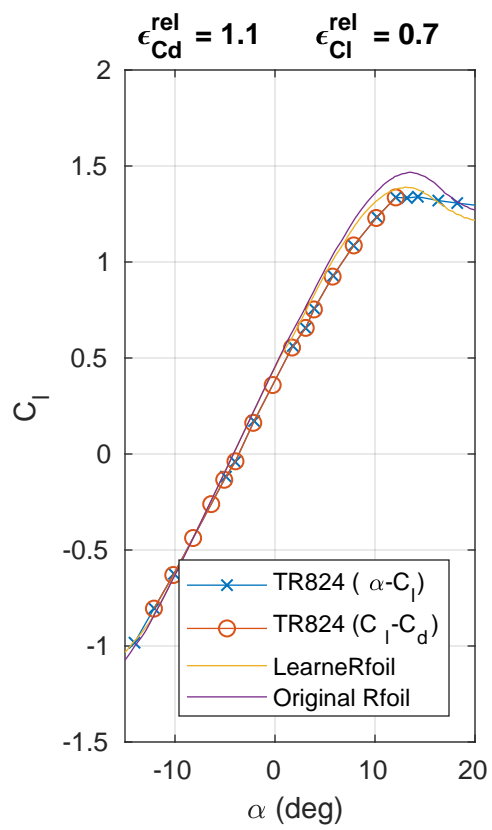
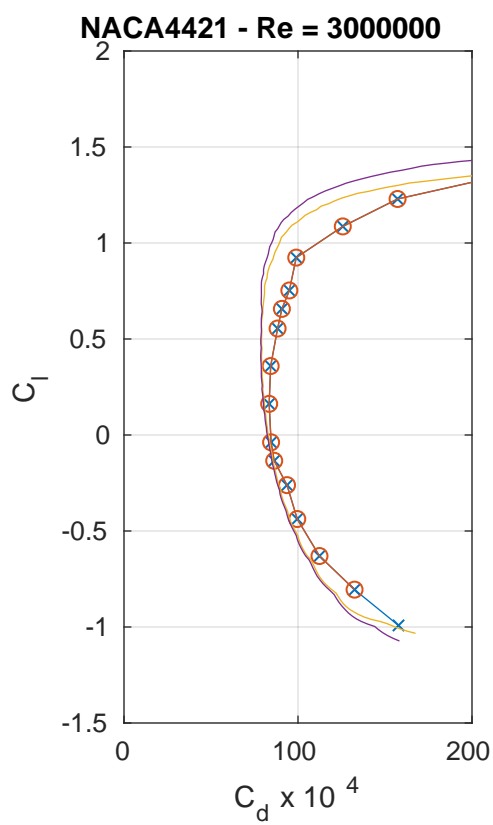


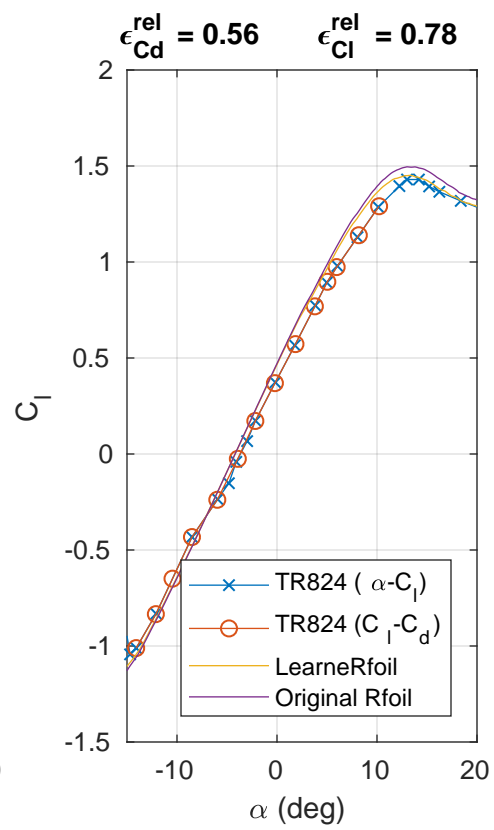
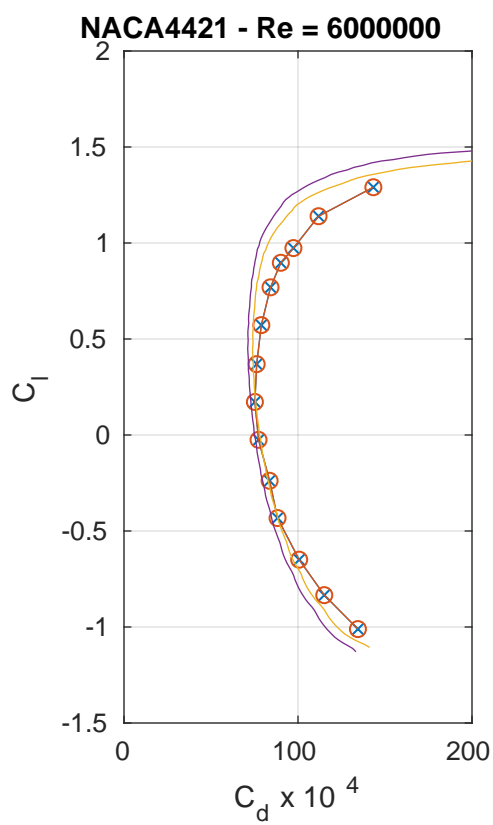


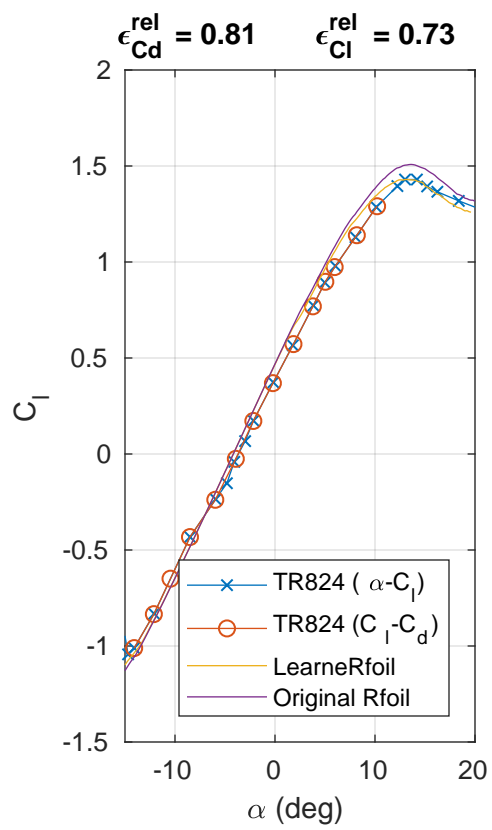
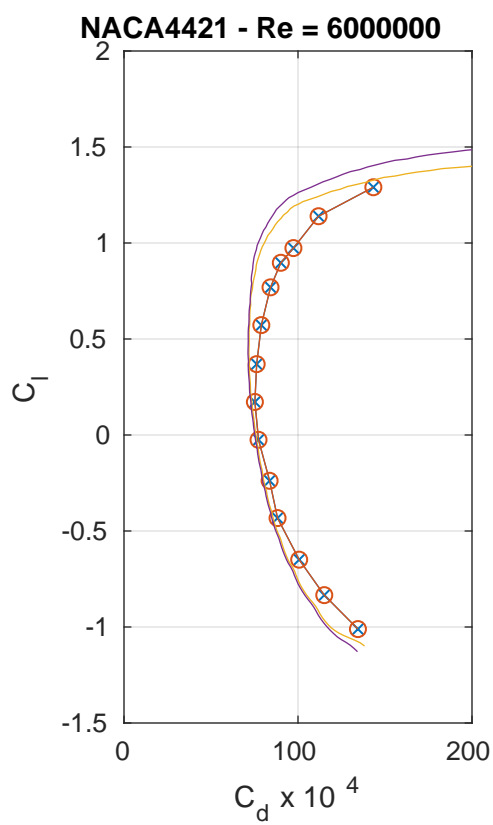


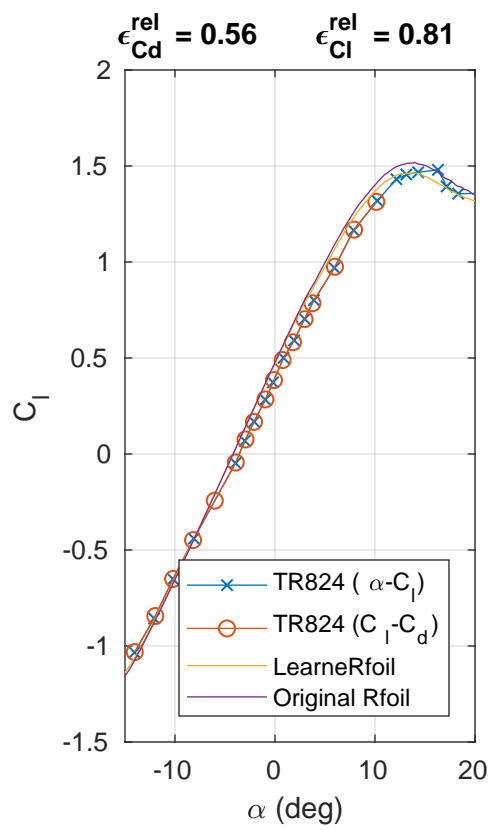
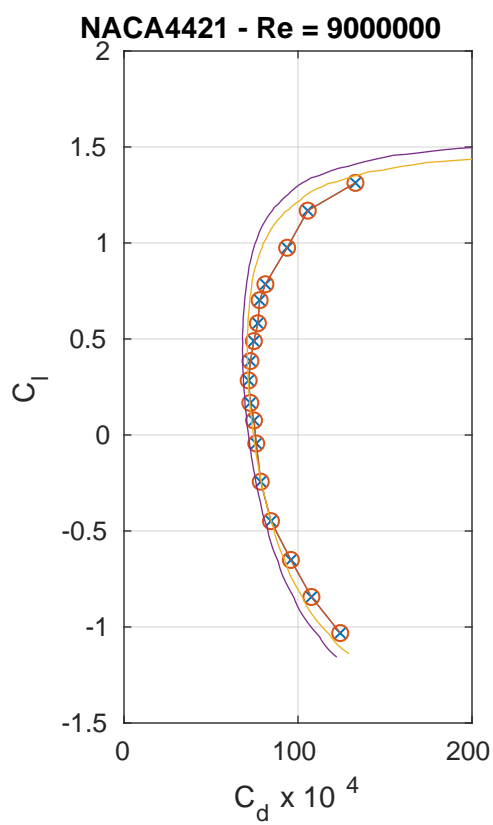


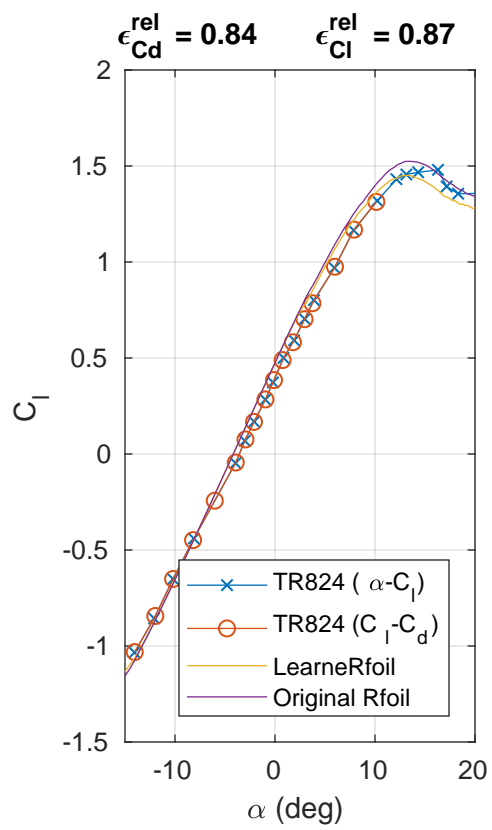
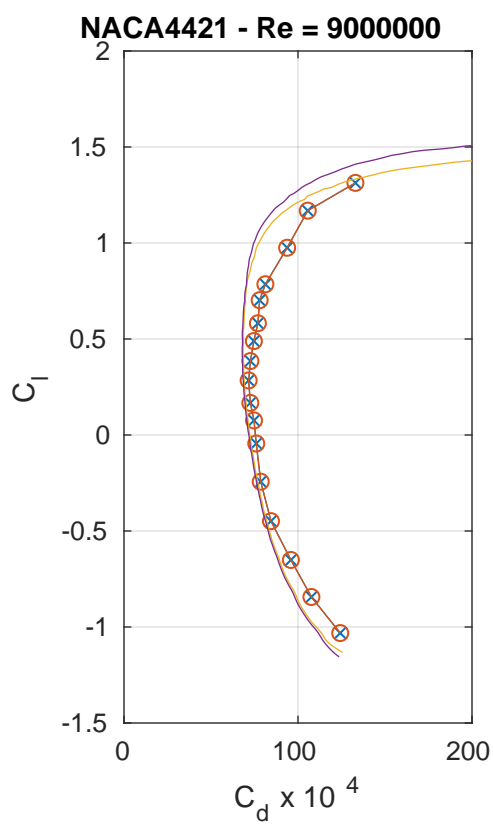


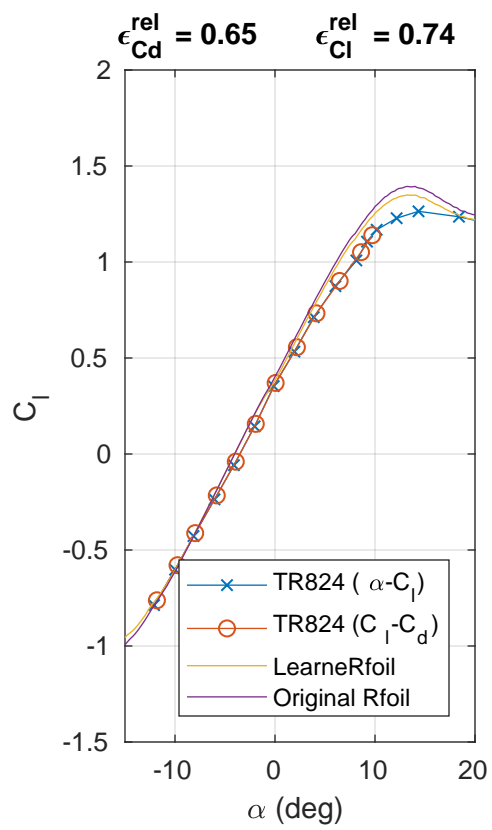
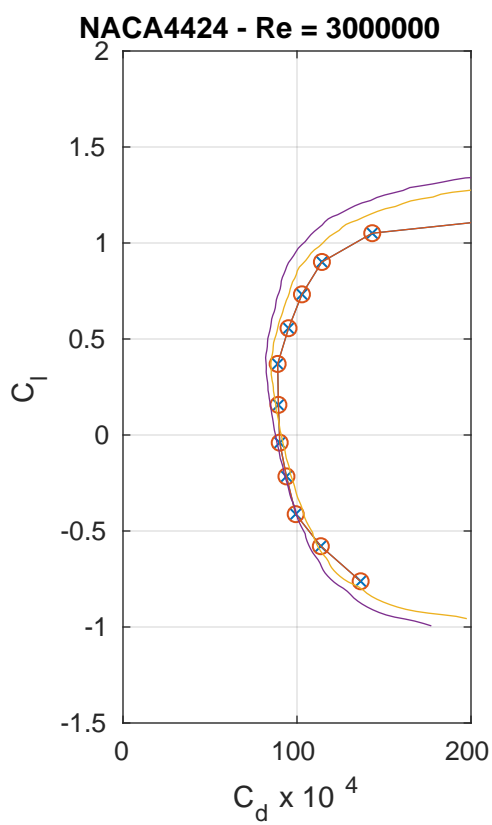


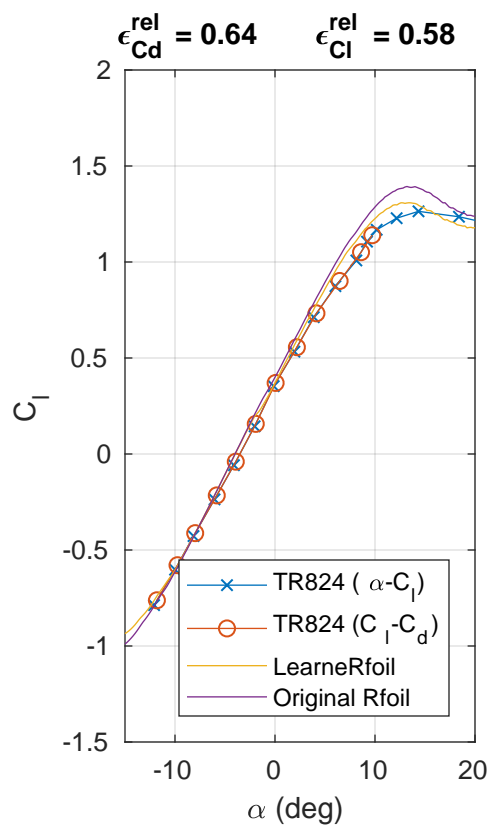
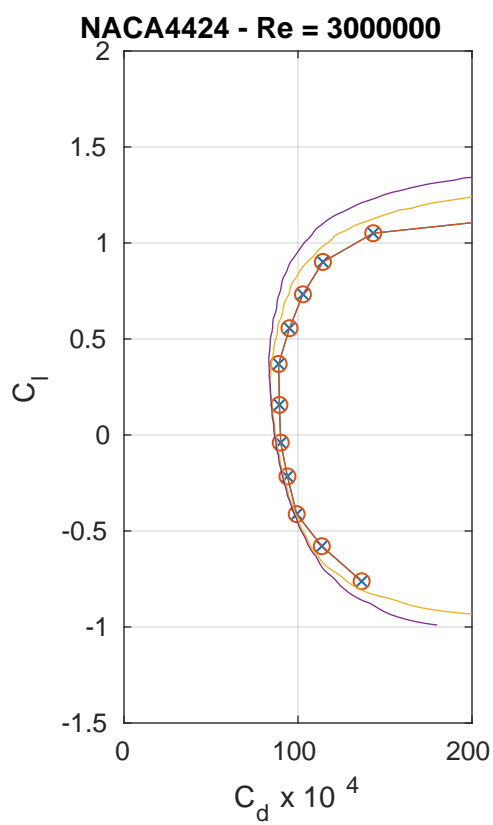


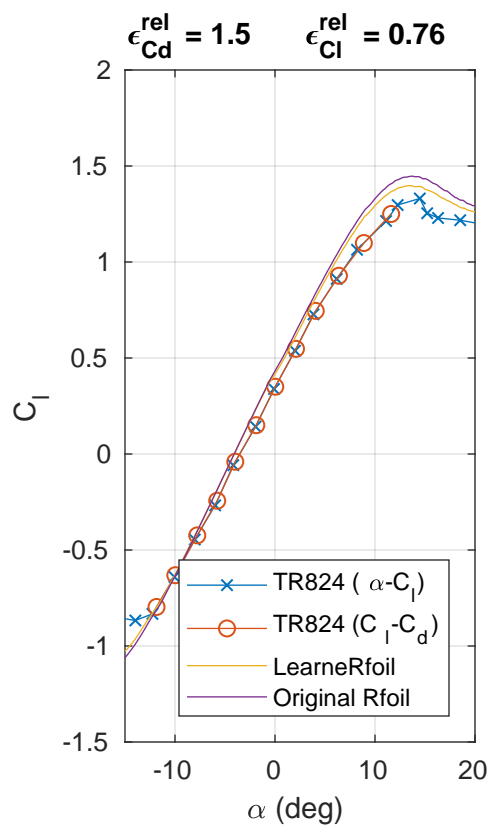
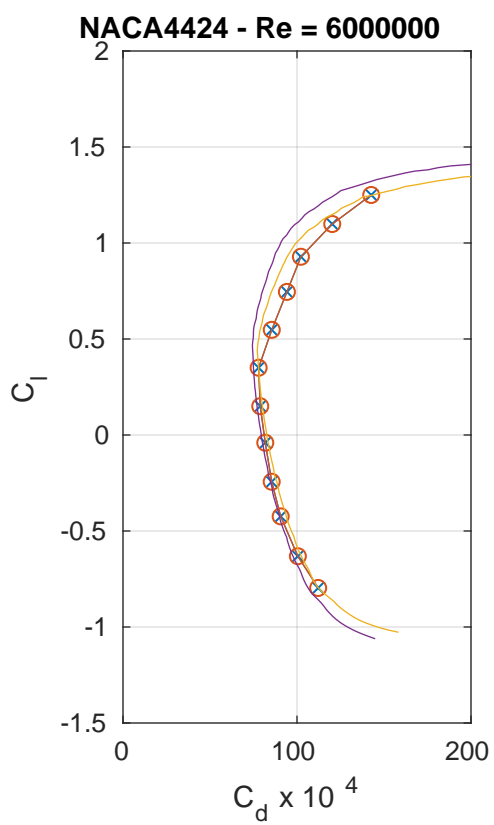


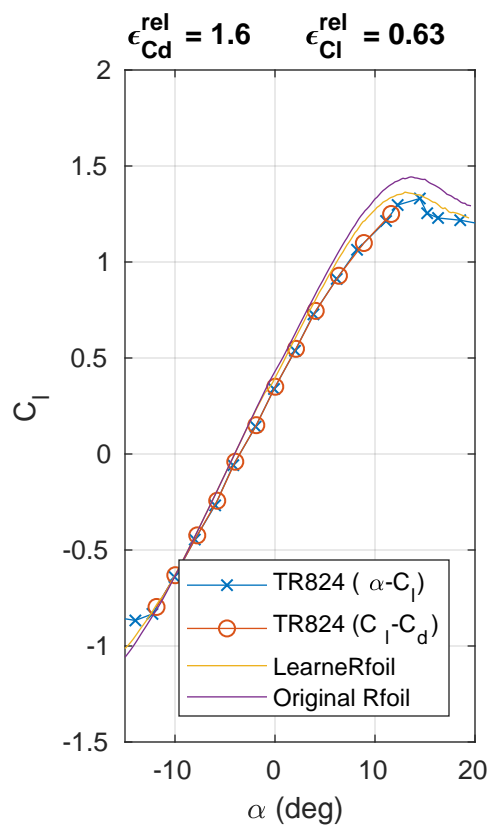
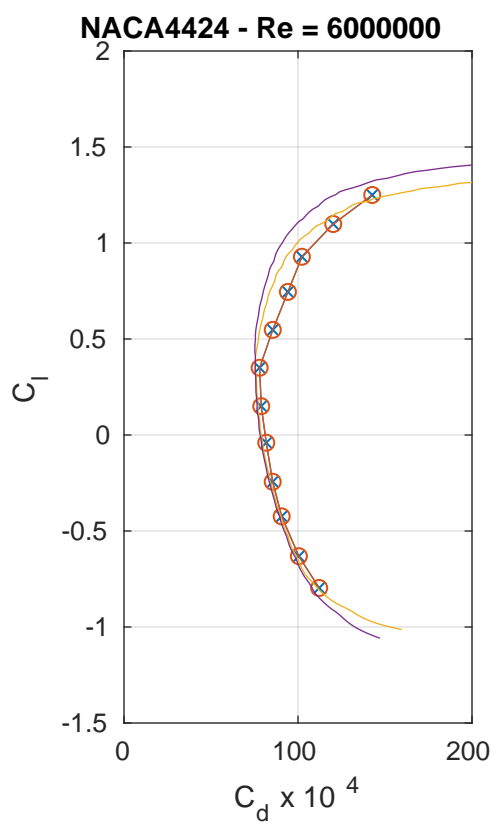


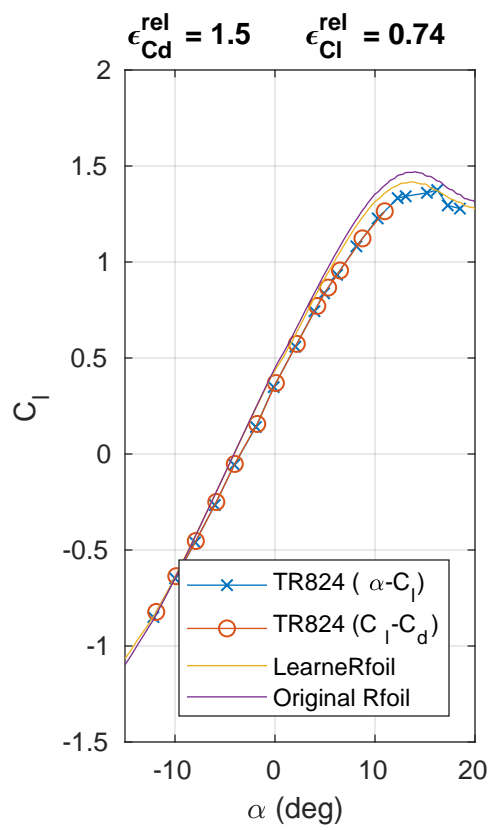
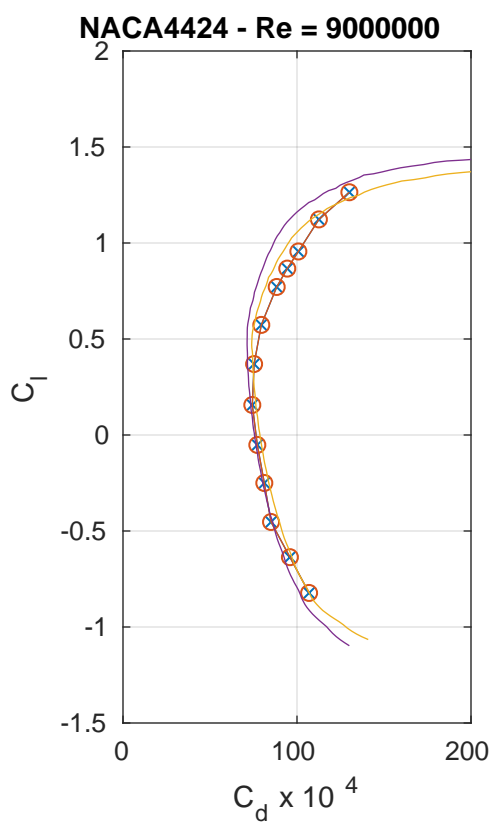


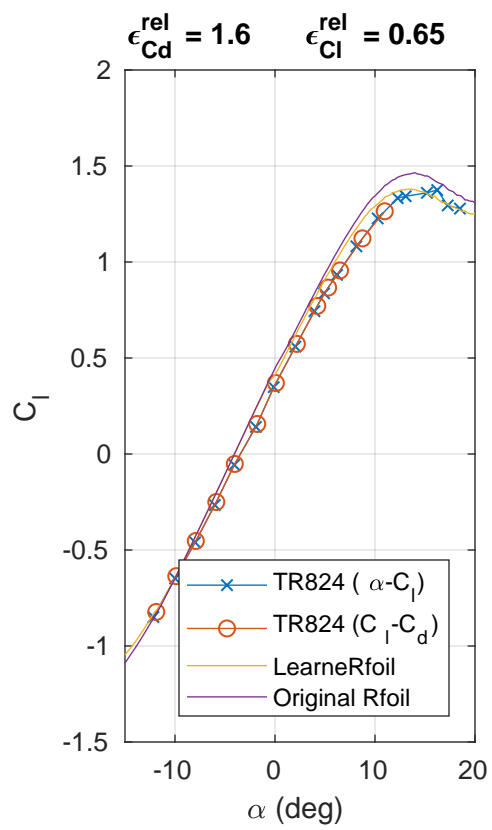
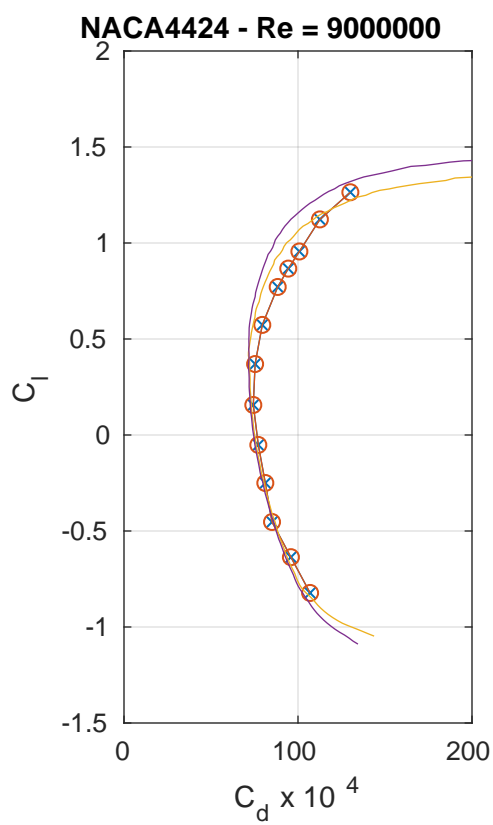


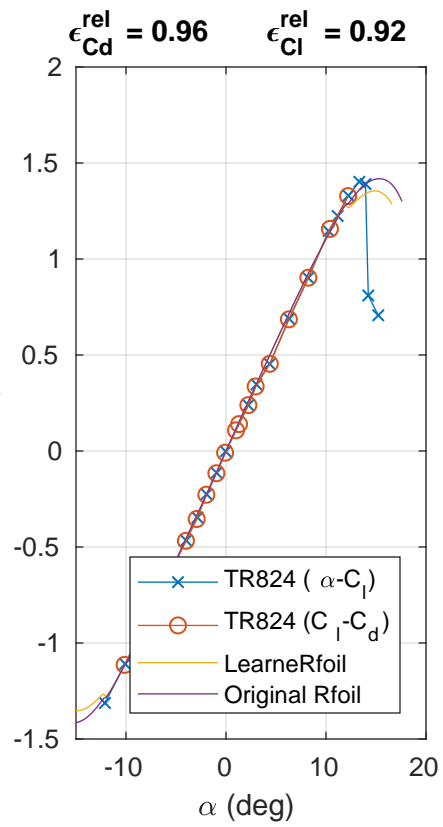
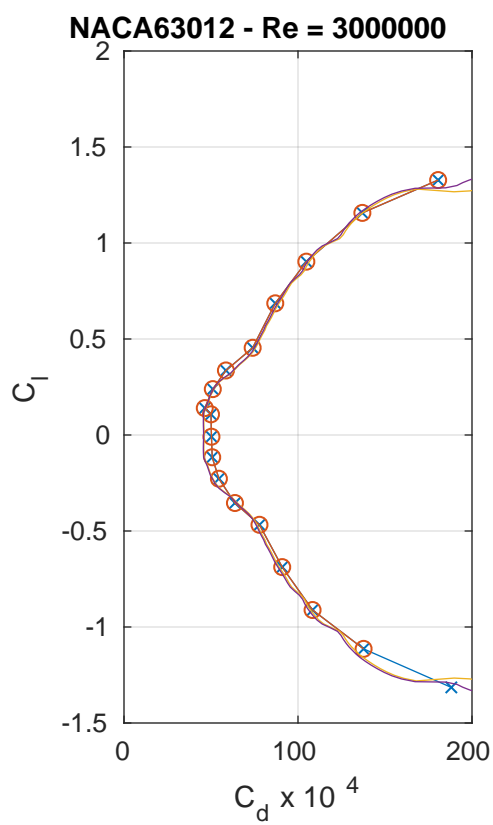


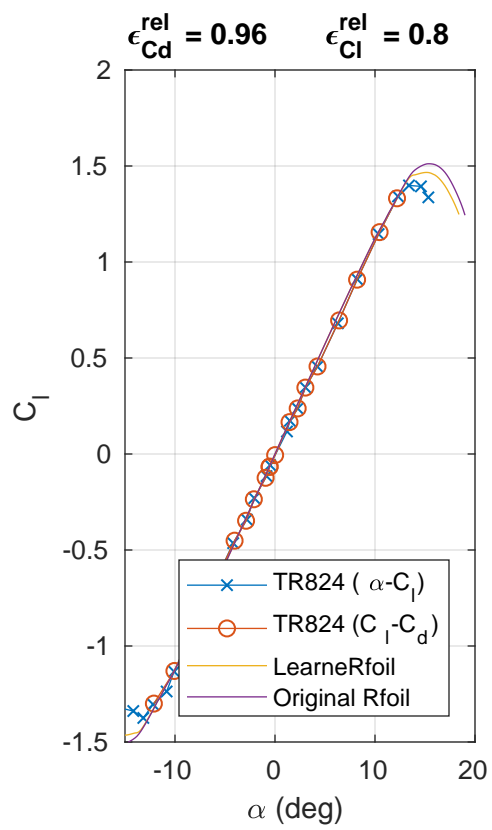
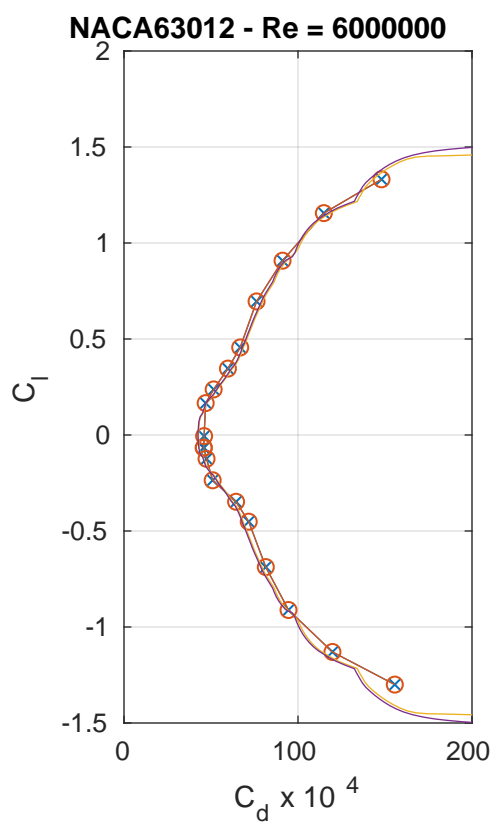


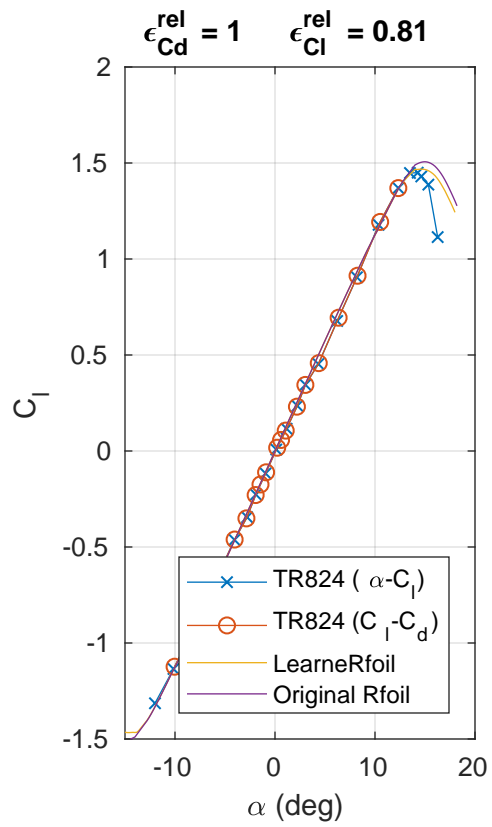
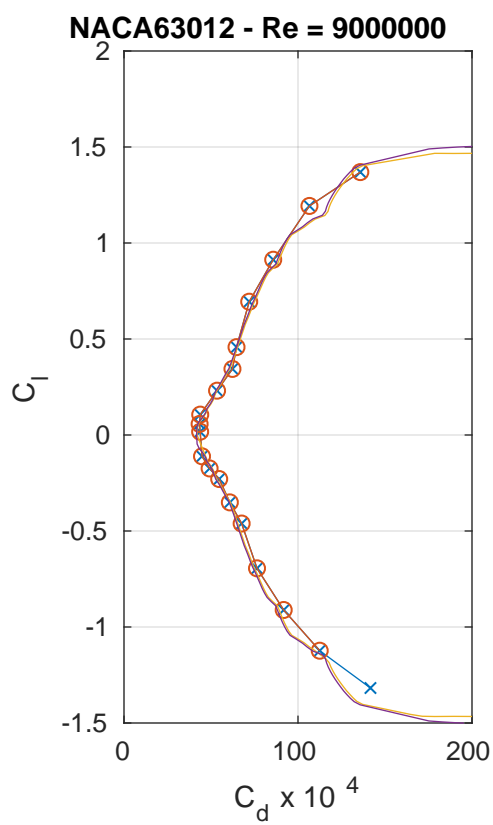


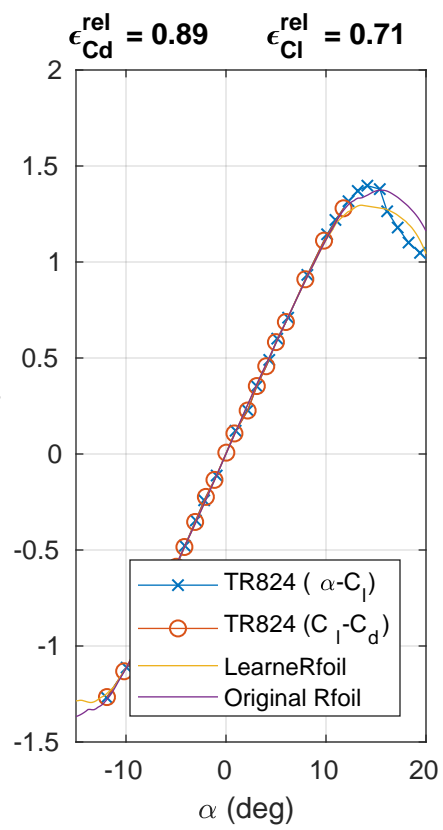
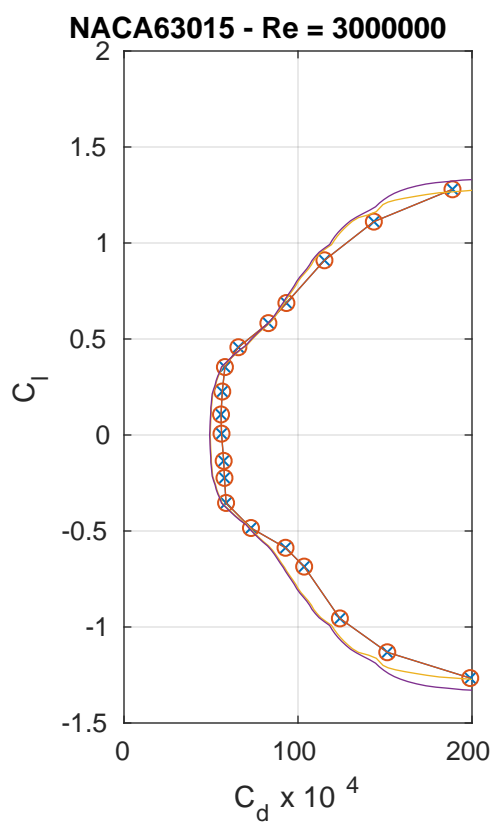


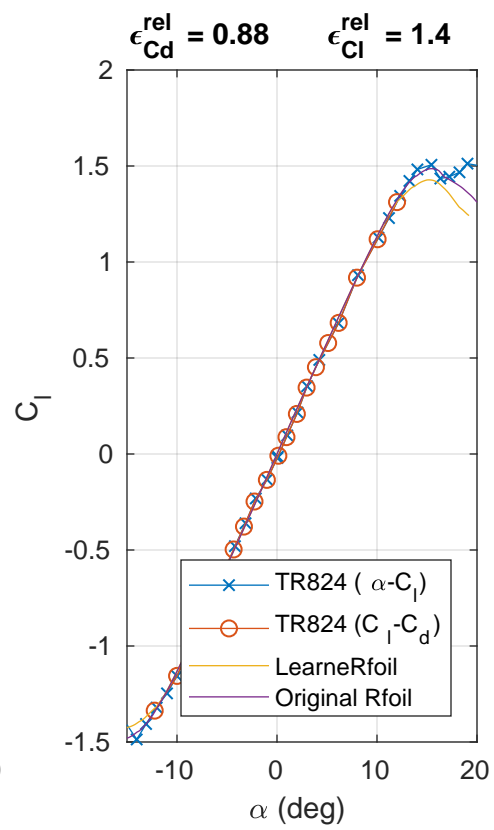
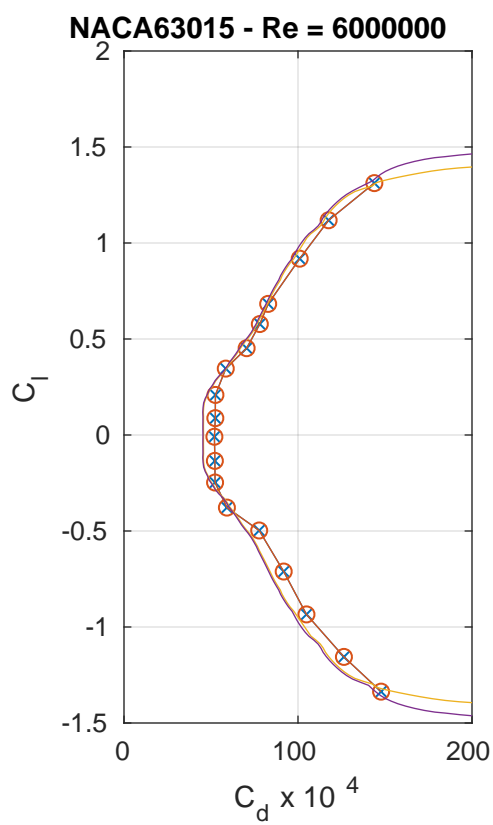


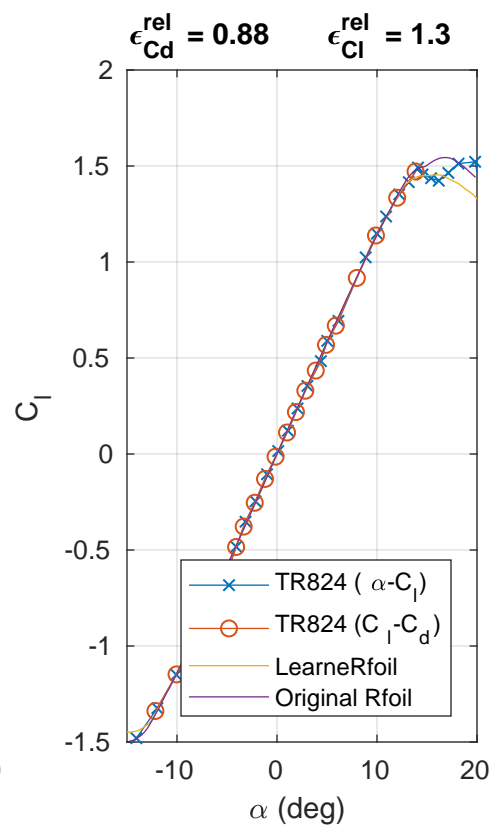
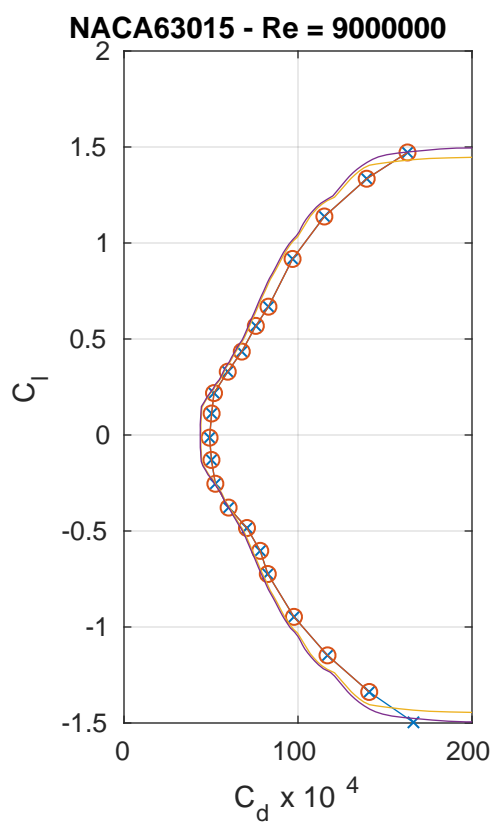


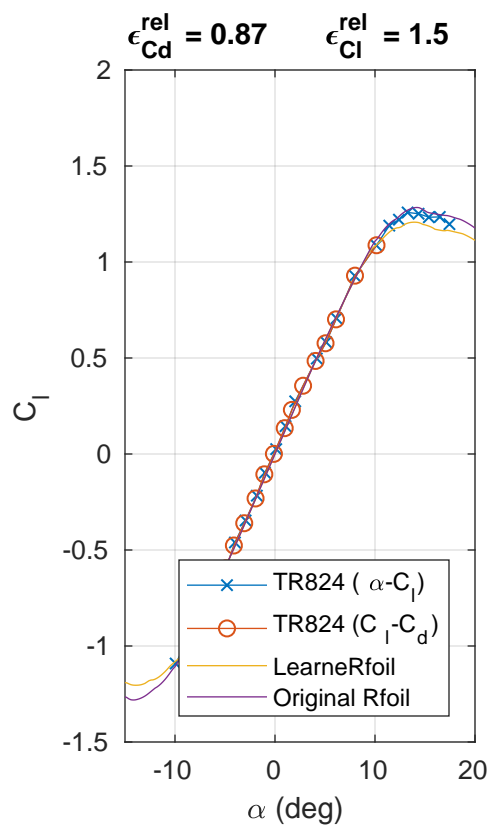
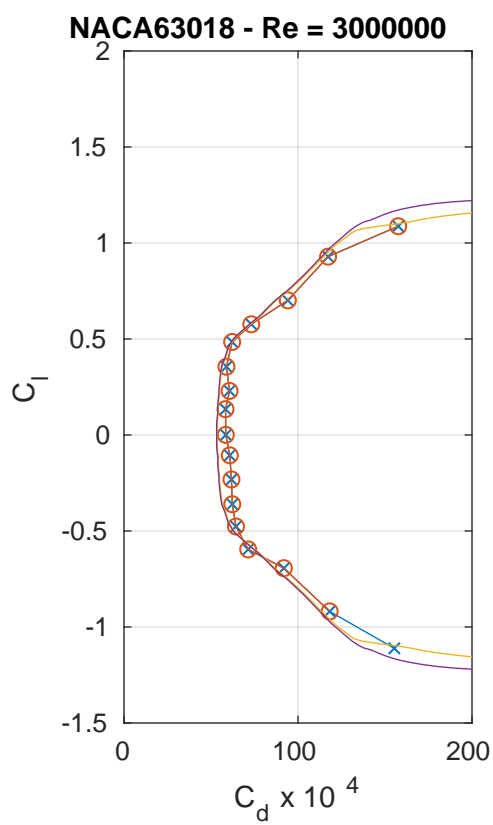


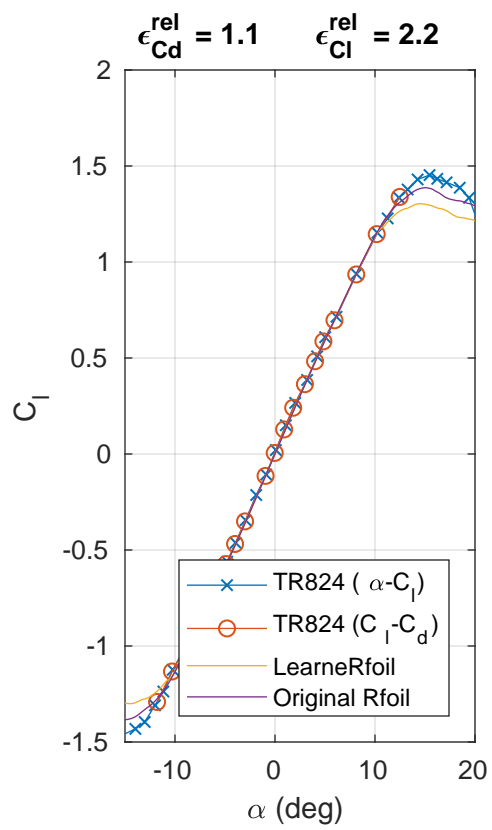
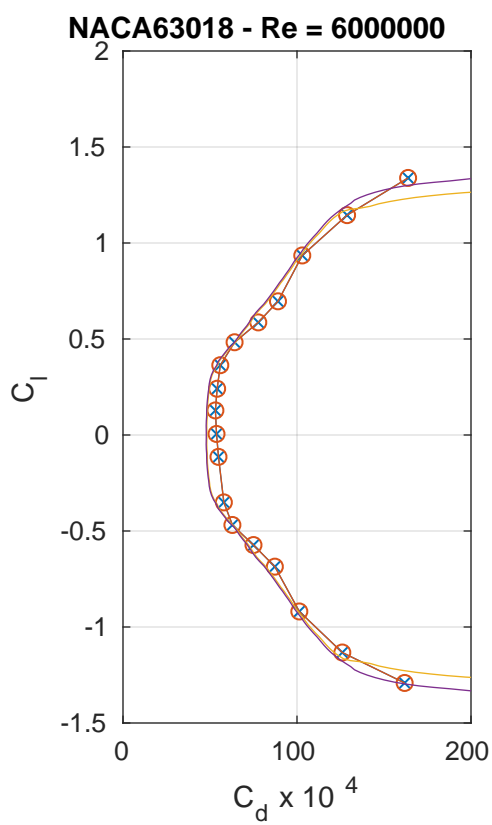


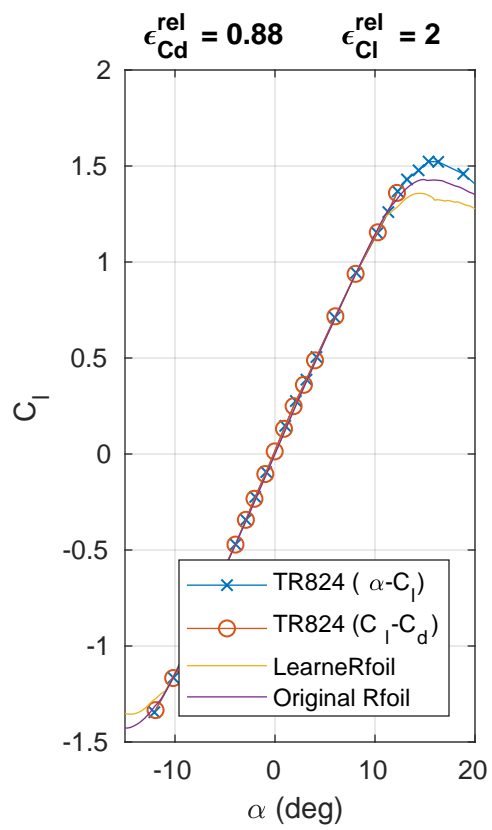
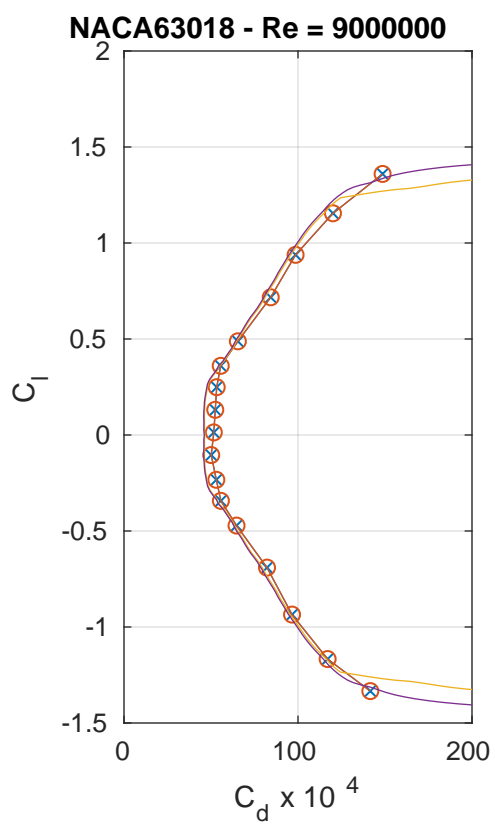


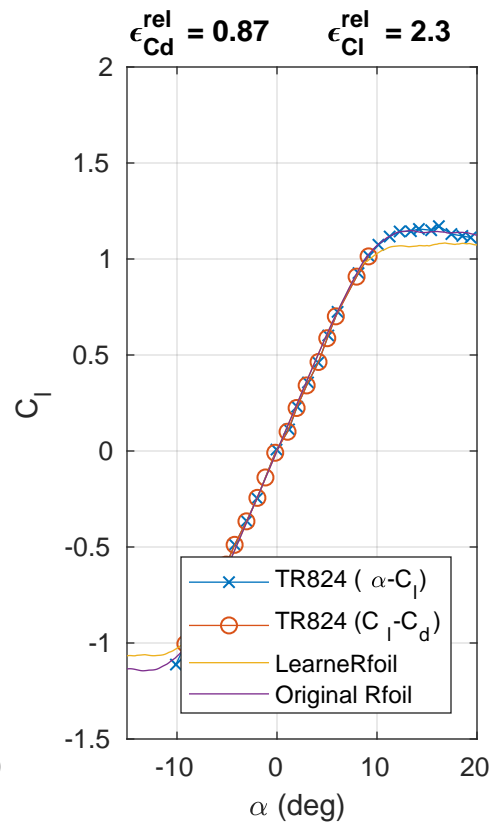
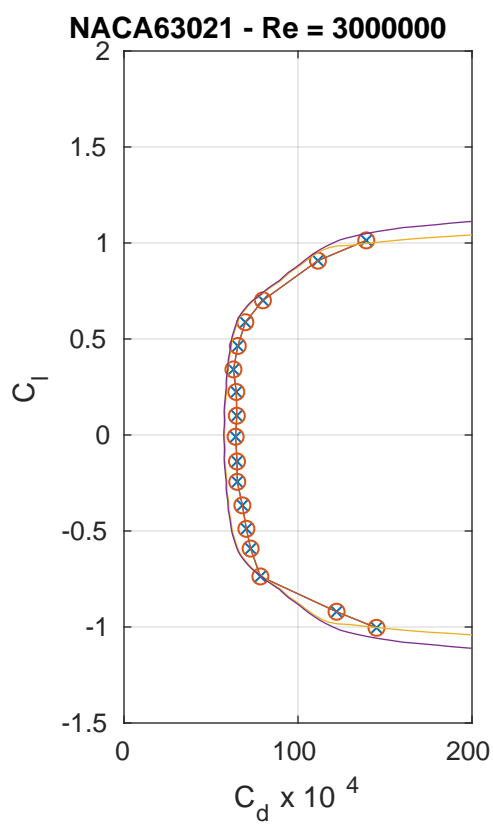


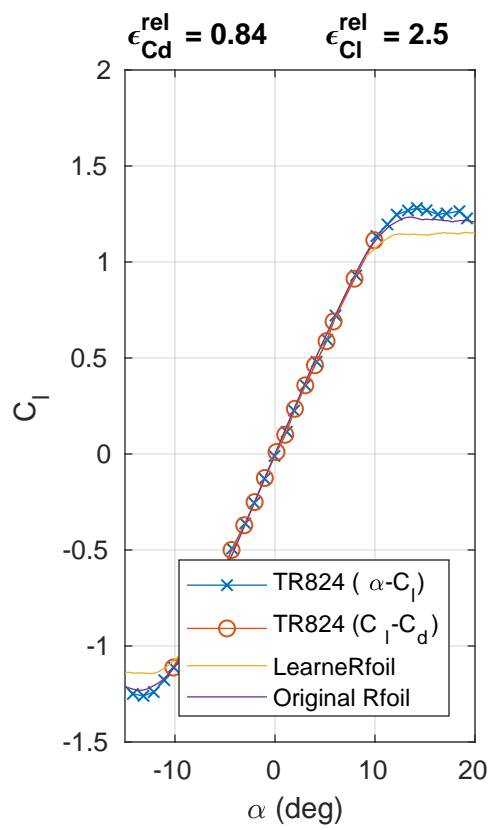
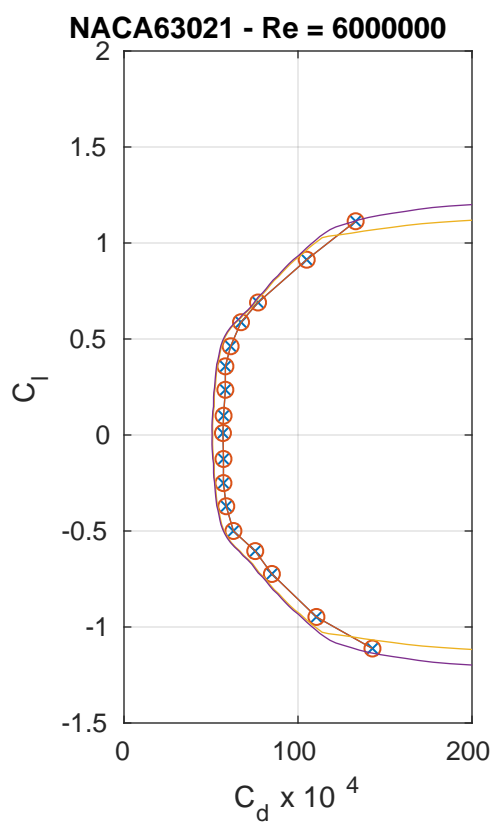


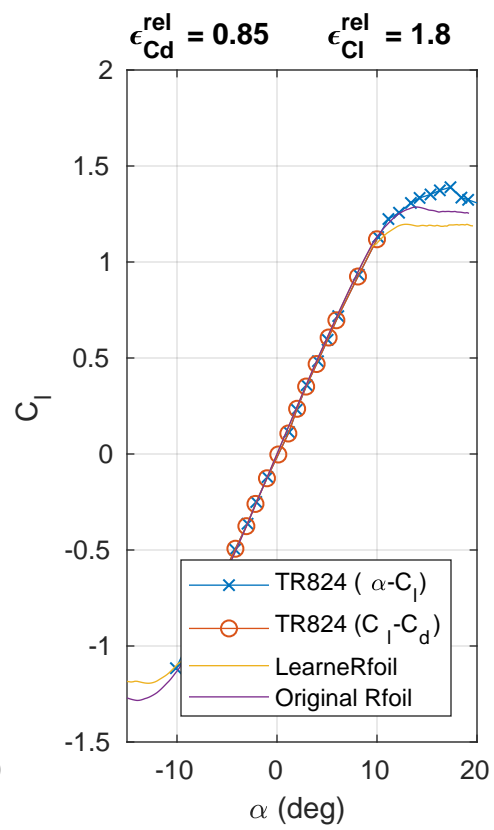
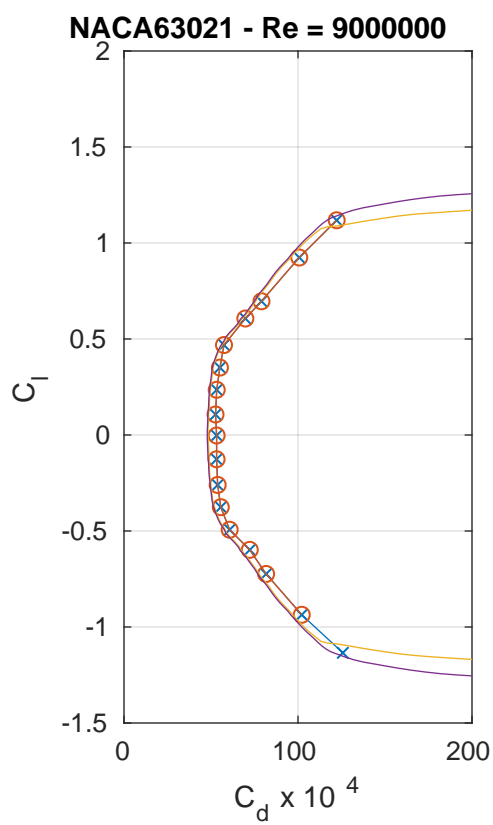


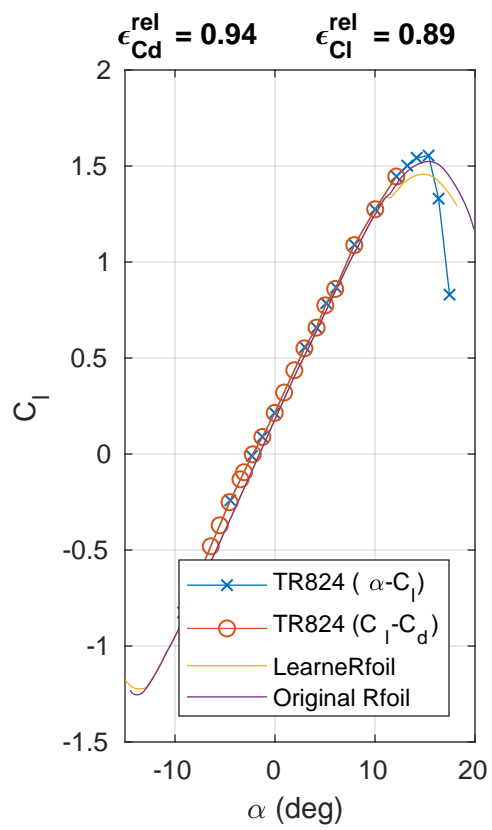
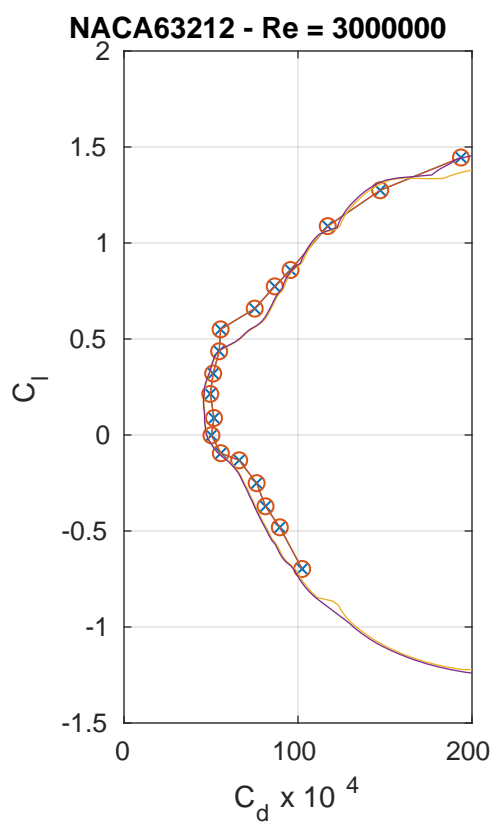


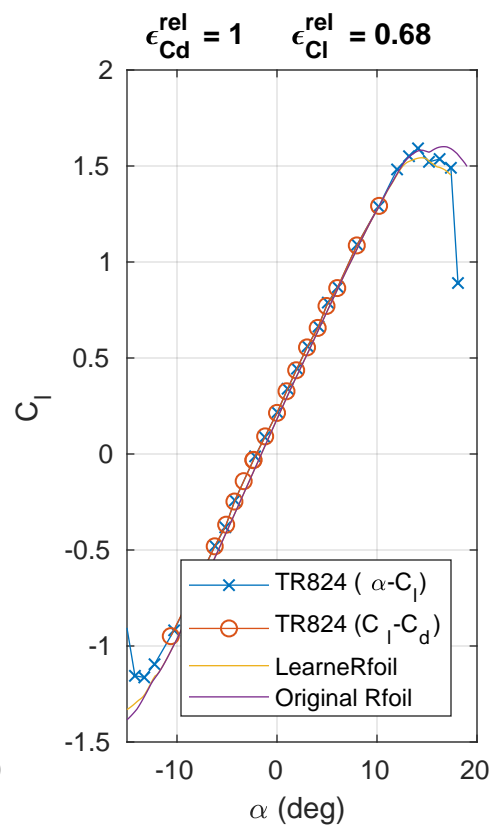
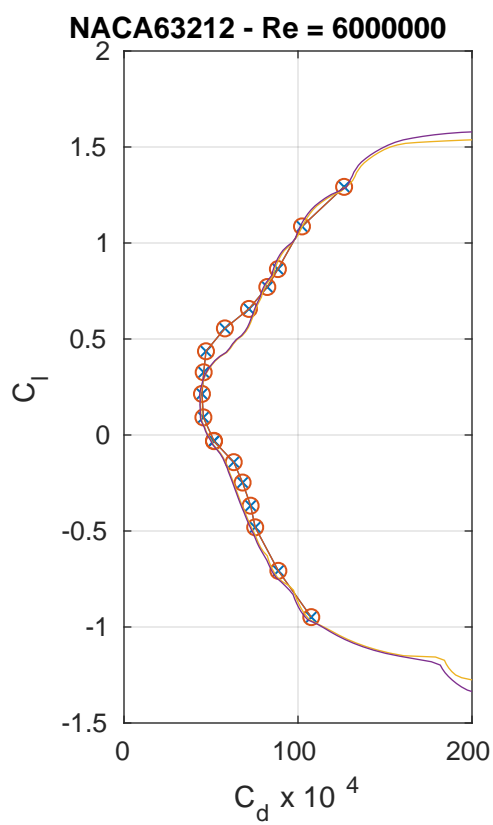


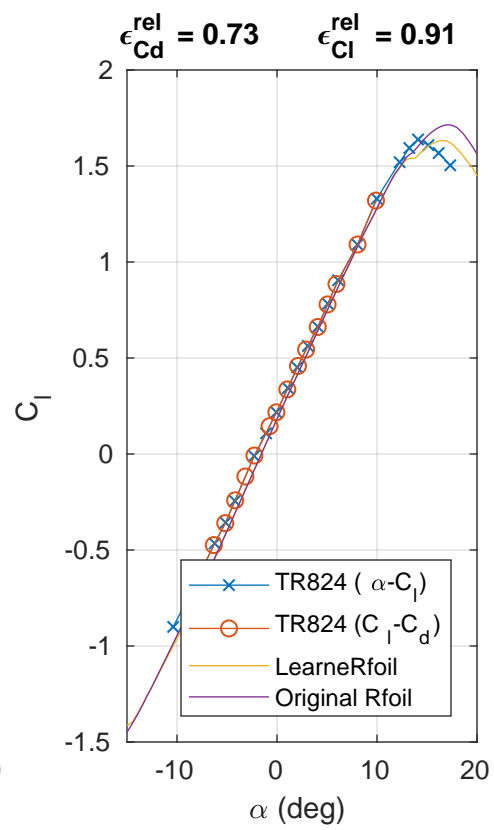
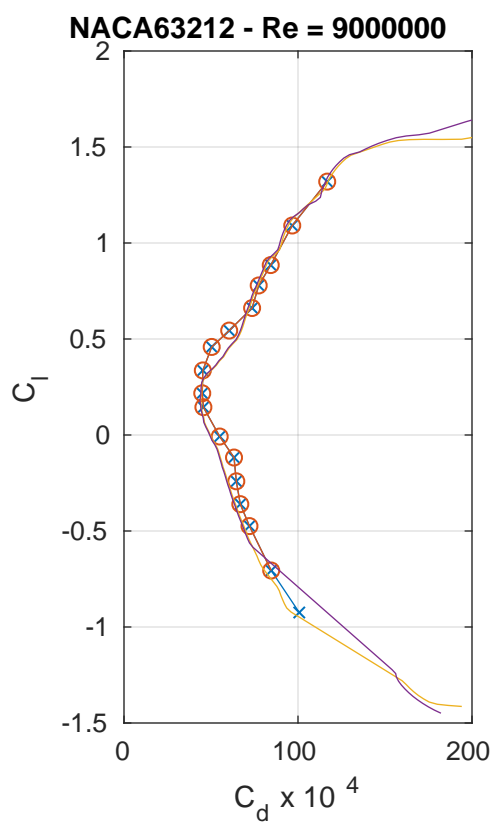


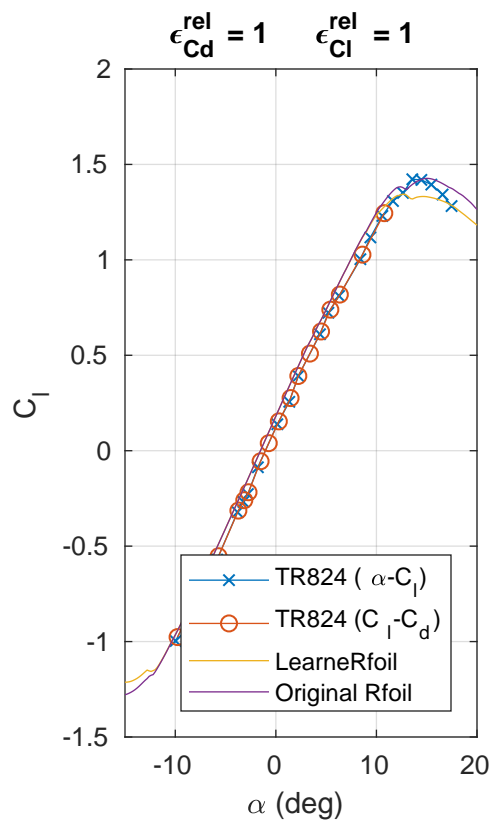
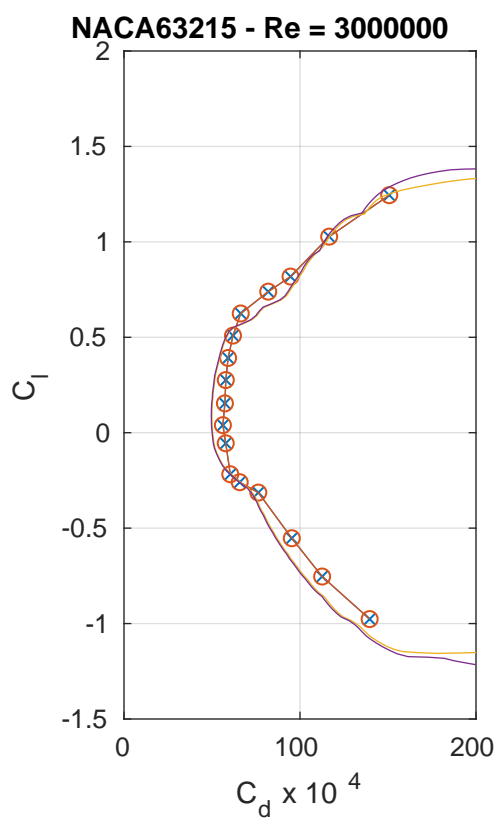


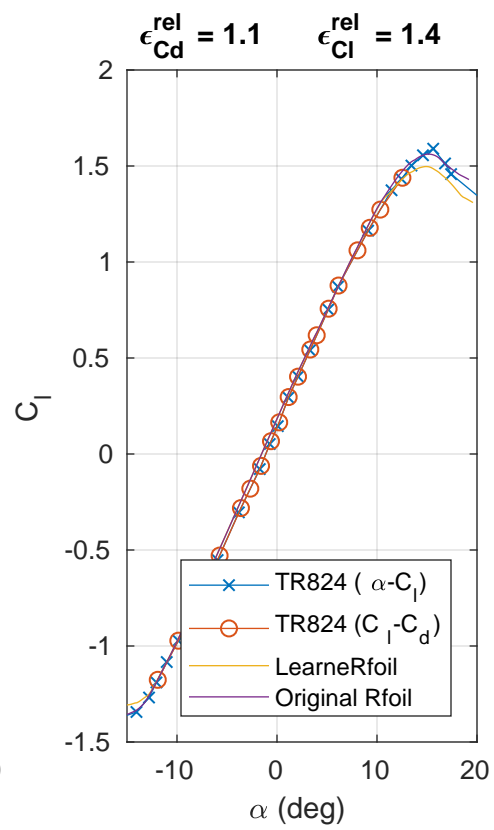
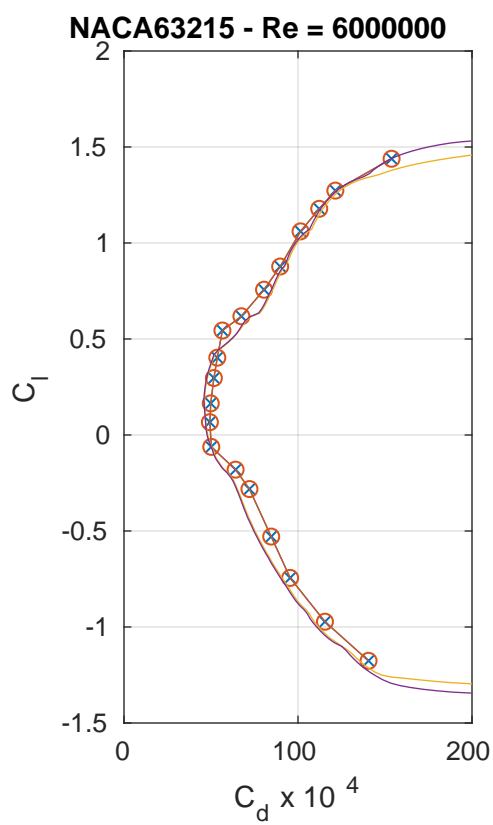


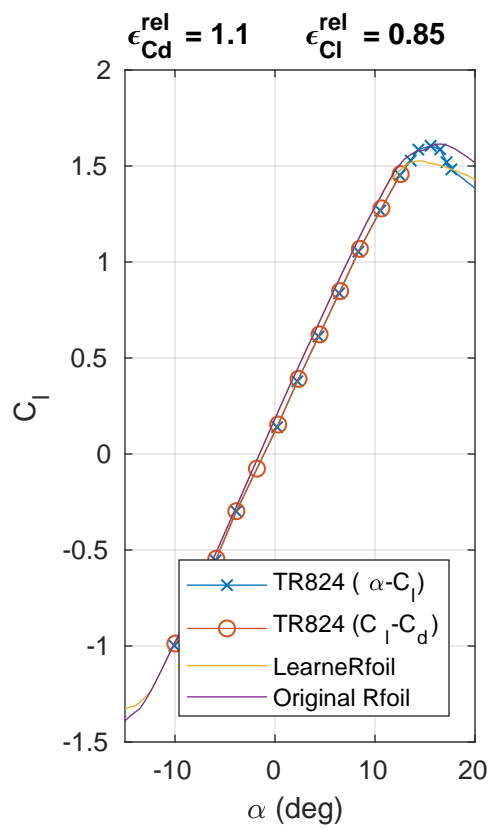
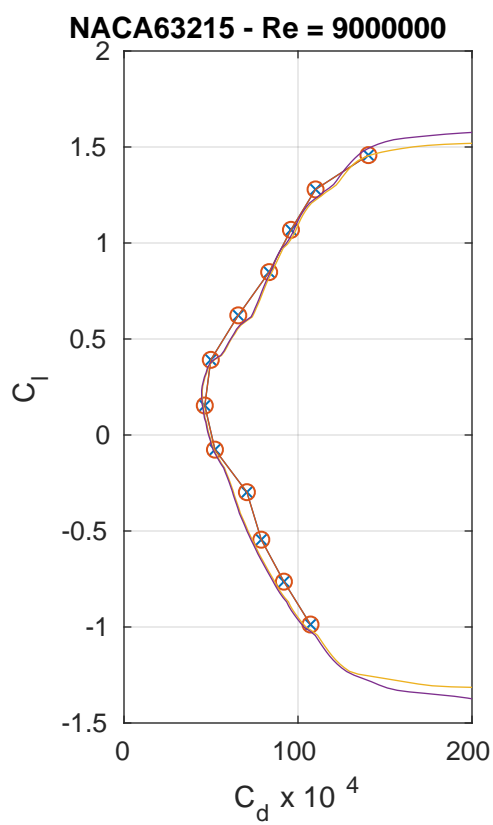


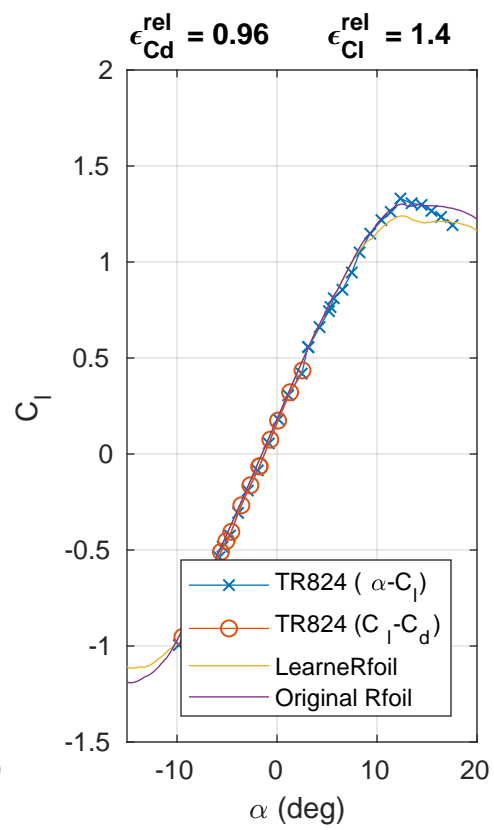
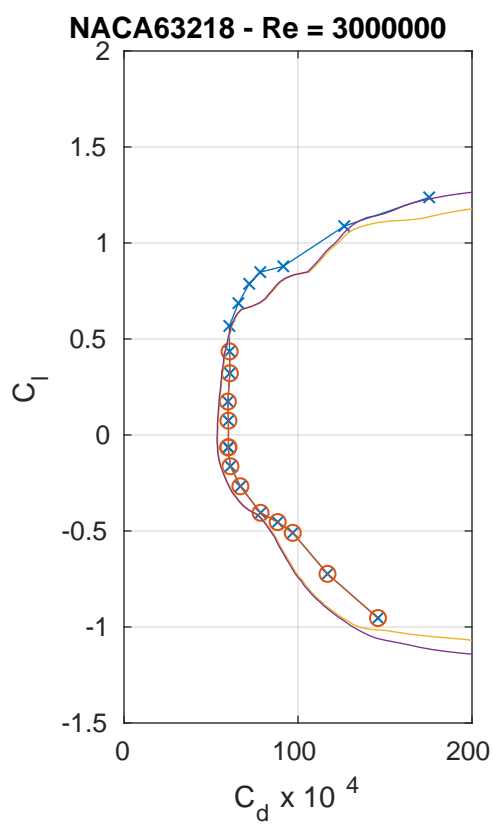


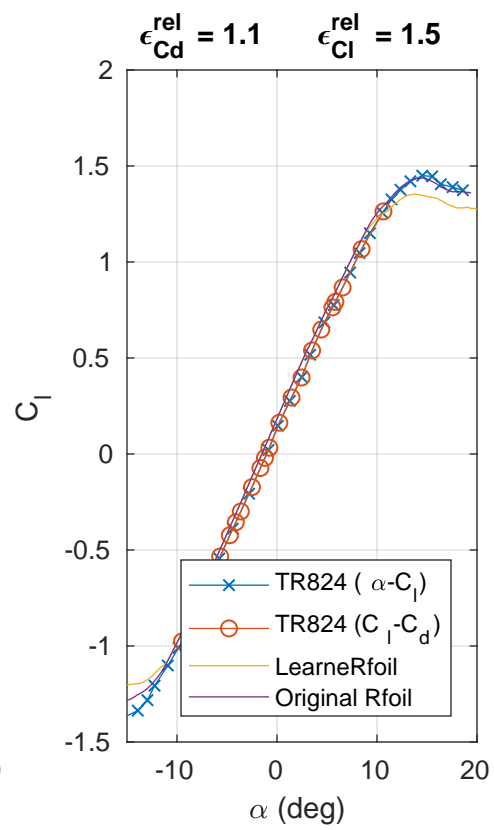
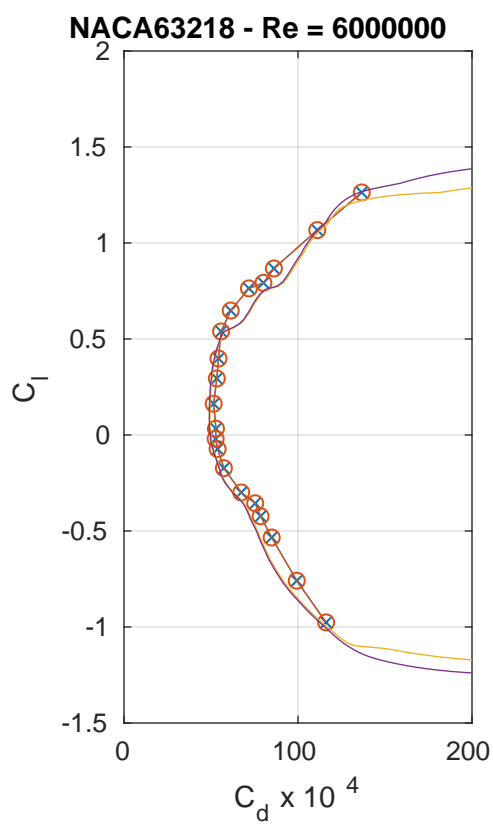


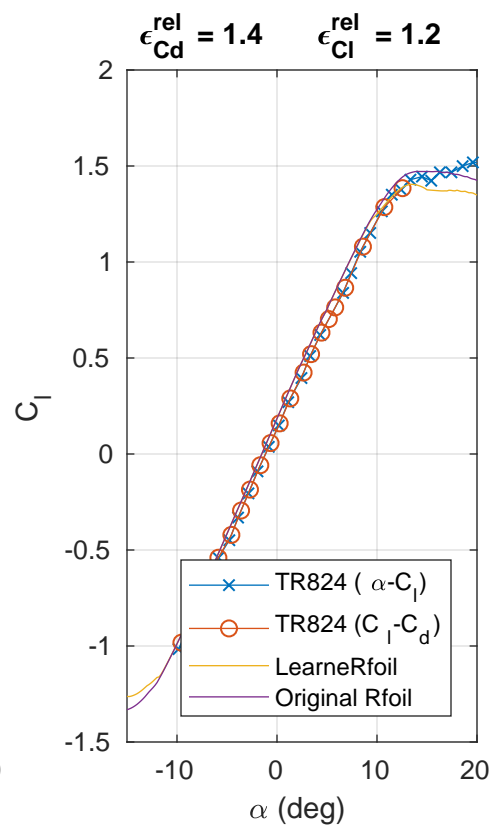
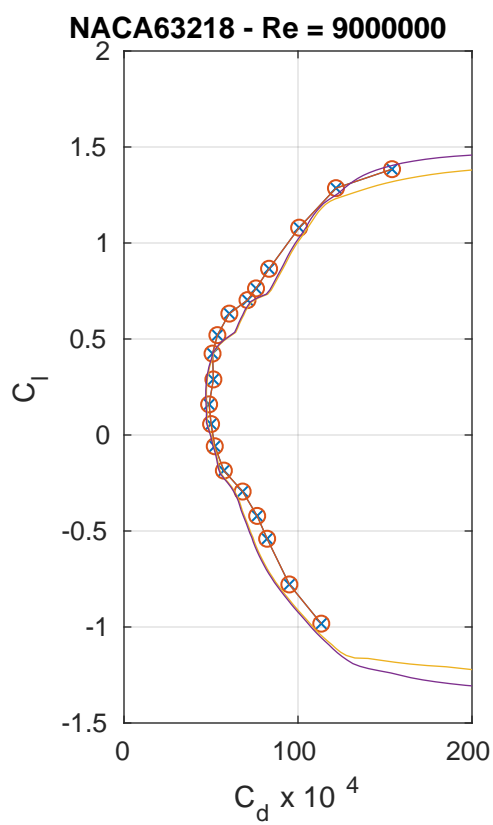


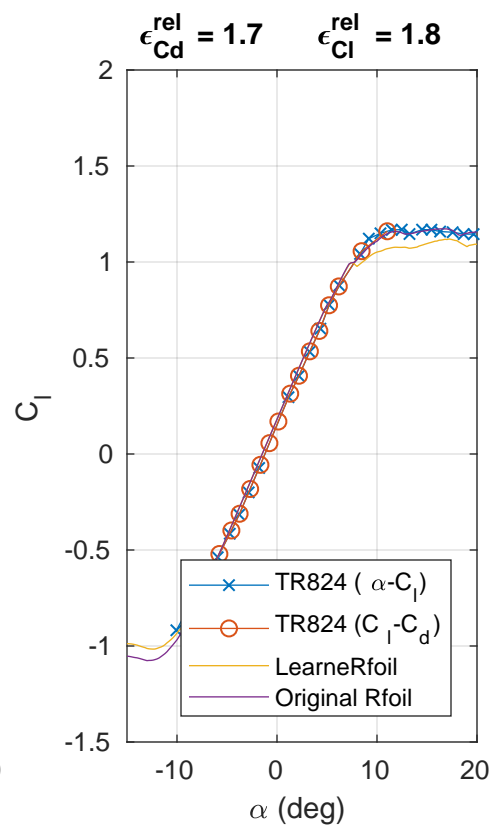
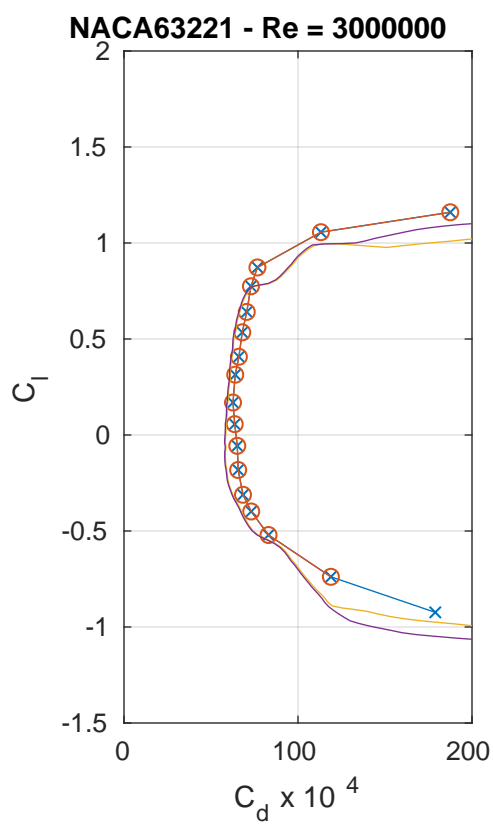


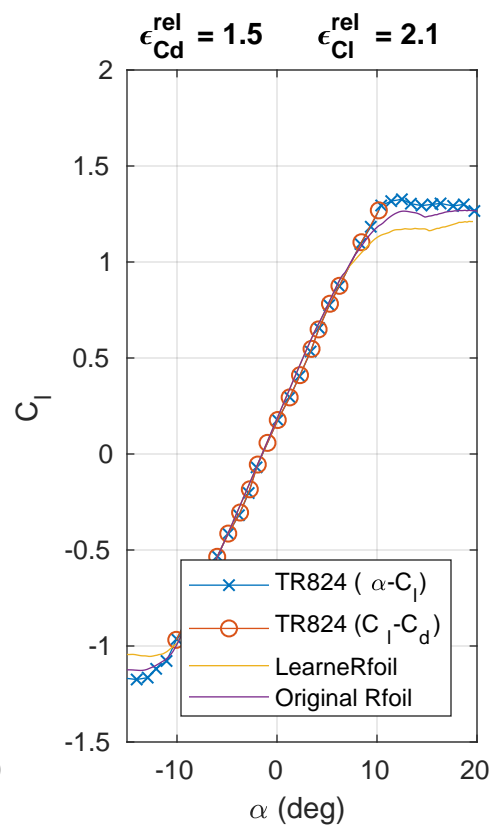
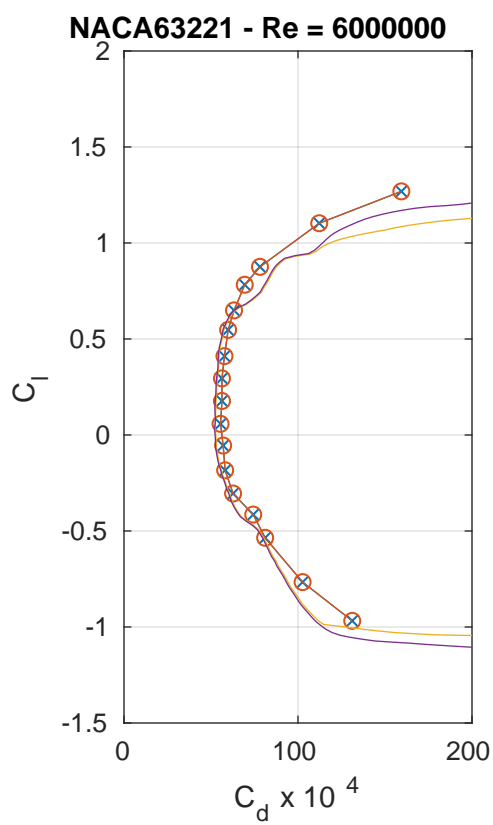


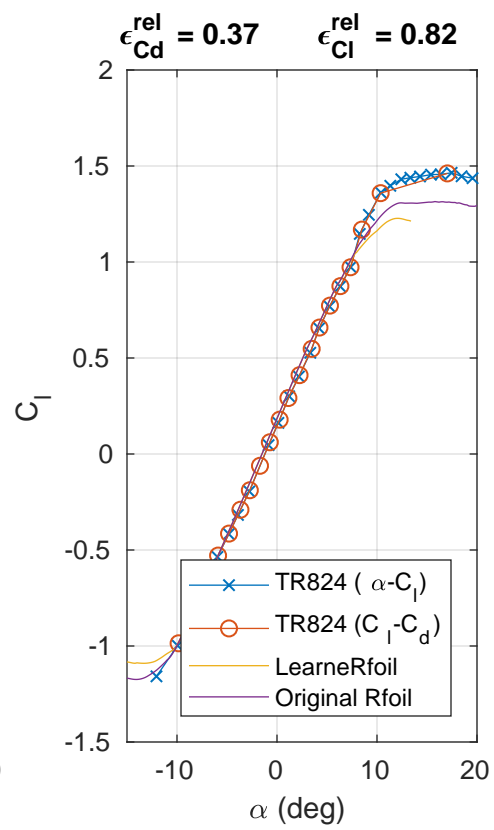
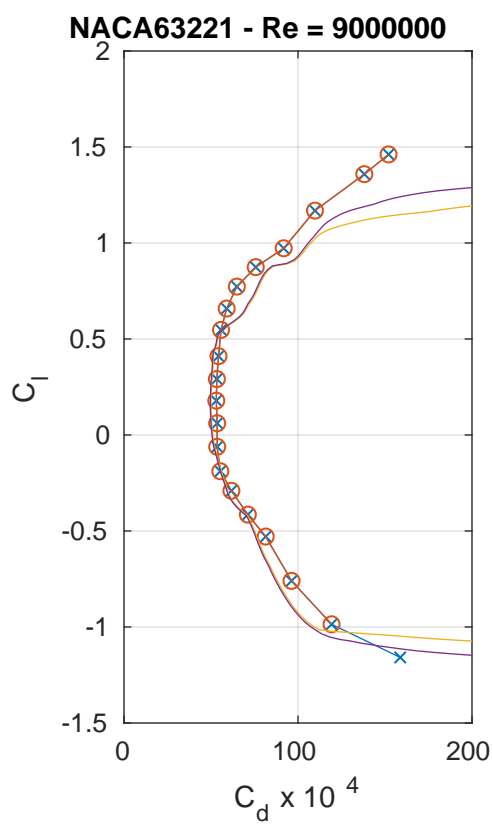




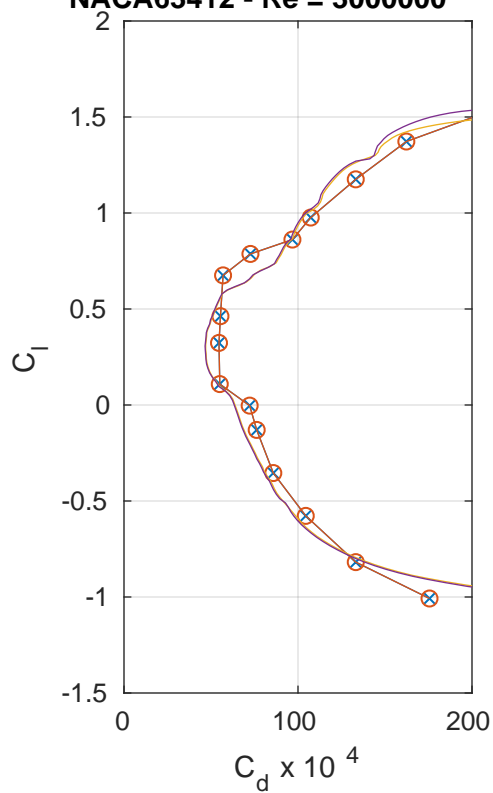




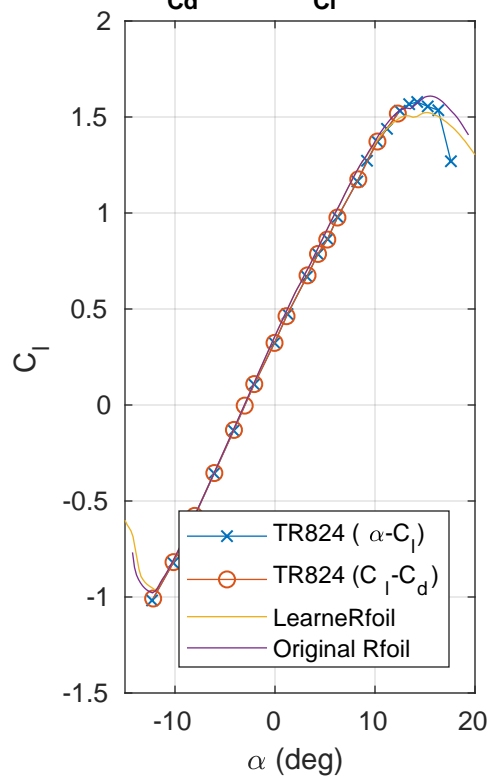




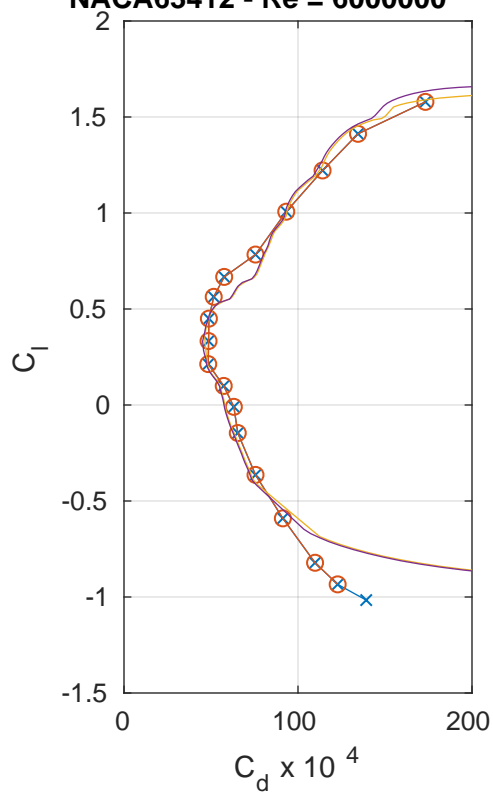
NACA63412 - Re = 3000000



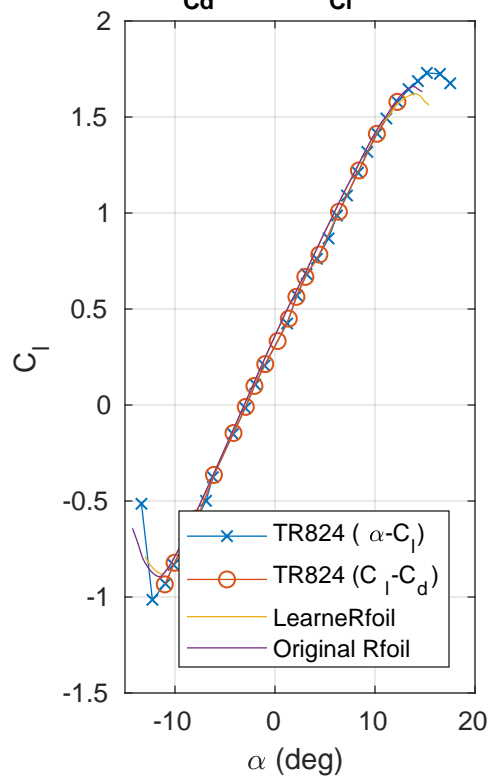
$\epsilon_{Cd}^{rel} = 1$ $\epsilon_{Cl}^{rel} = 0.8$



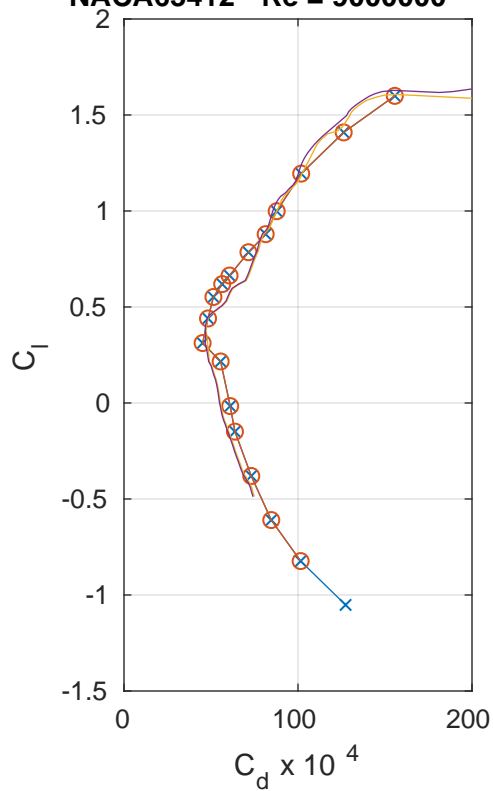
NACA63412 - Re = 6000000



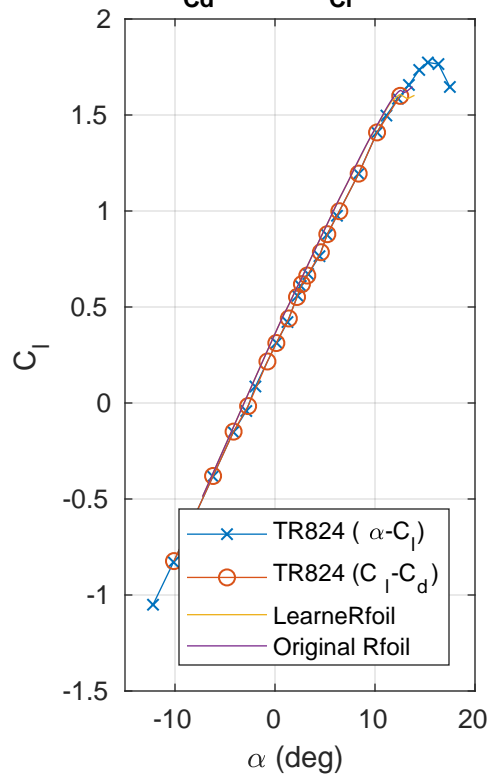
$\epsilon_{Cd}^{rel} = 1$ $\epsilon_{Cl}^{rel} = 1$

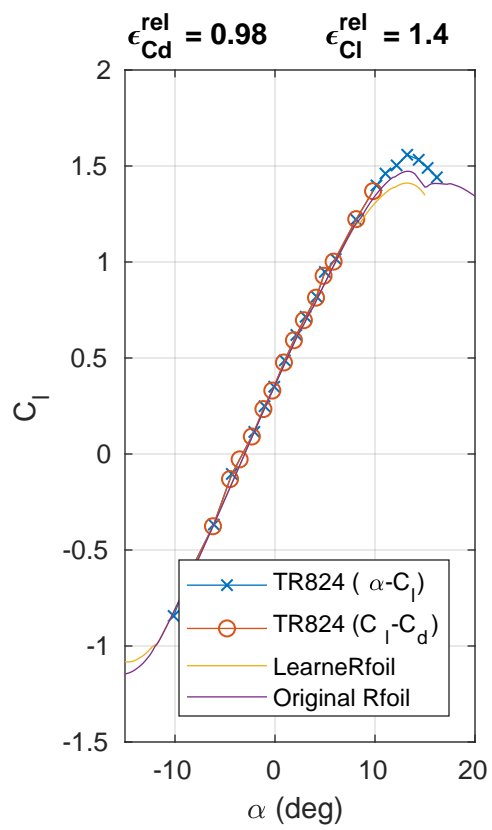
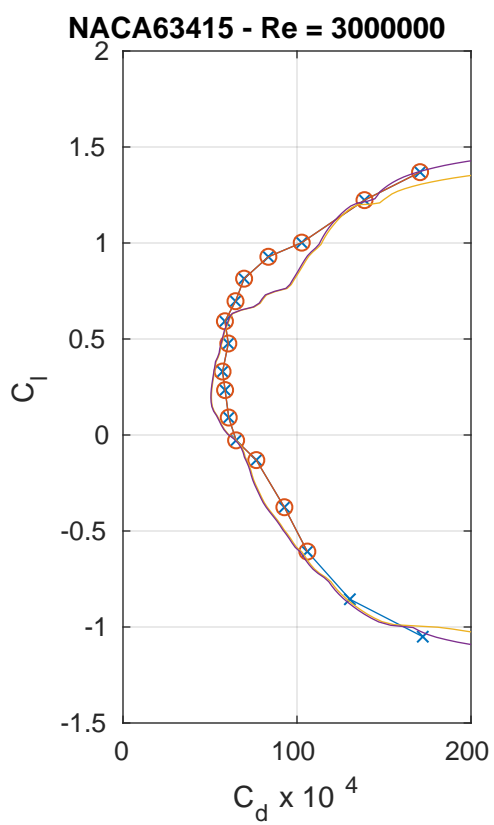


NACA63412 - Re = 9000000

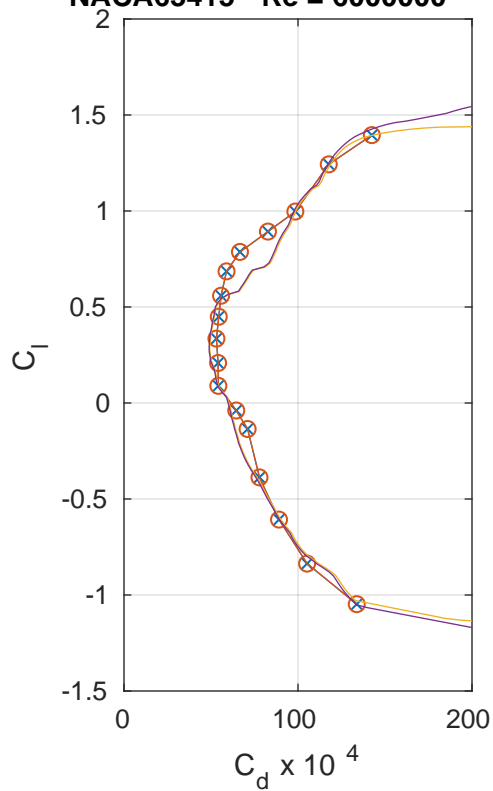


$\epsilon_{Cd}^{rel} = 1$ $\epsilon_{Cl}^{rel} = 1$

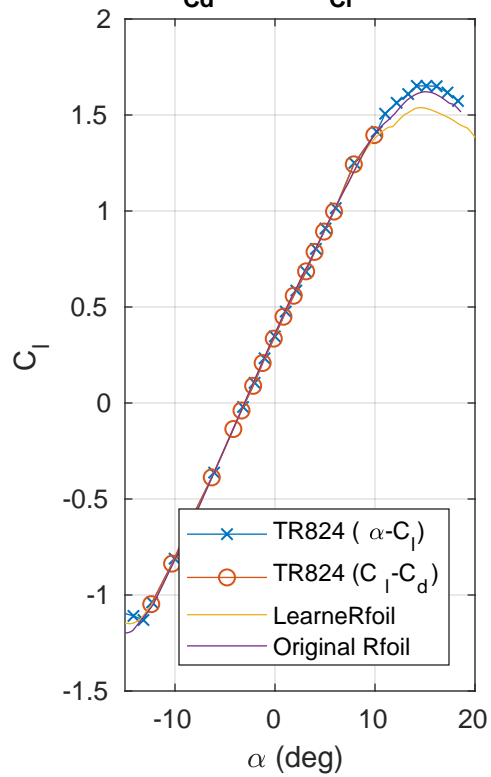


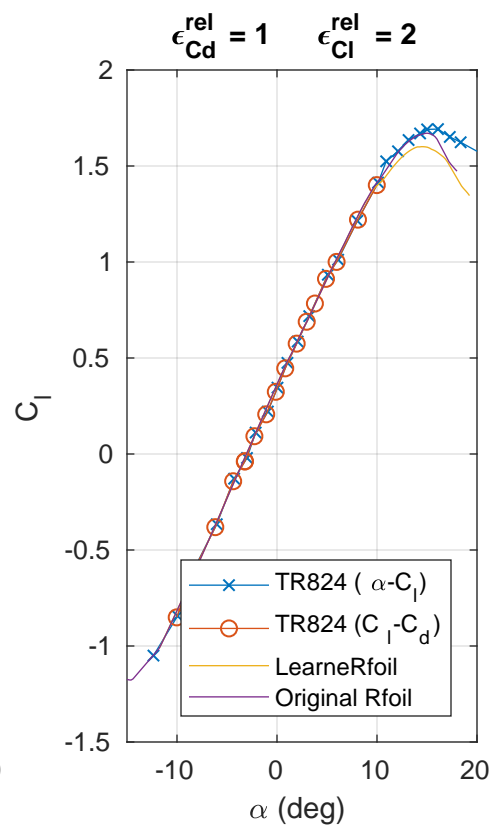
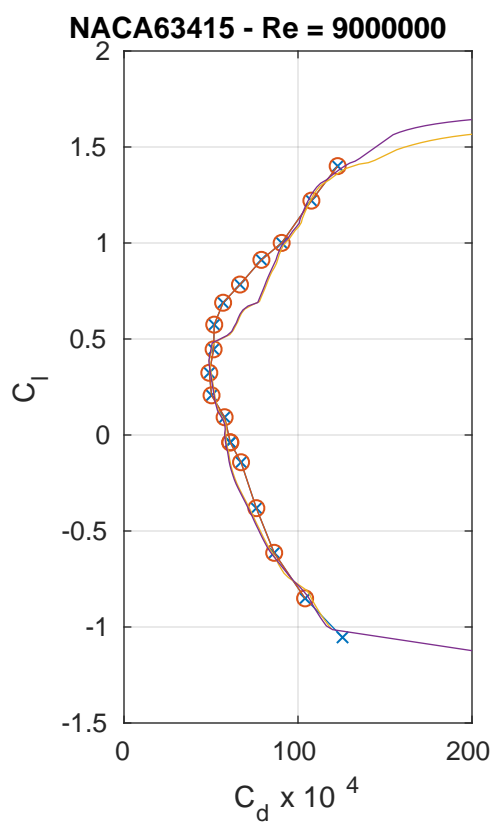


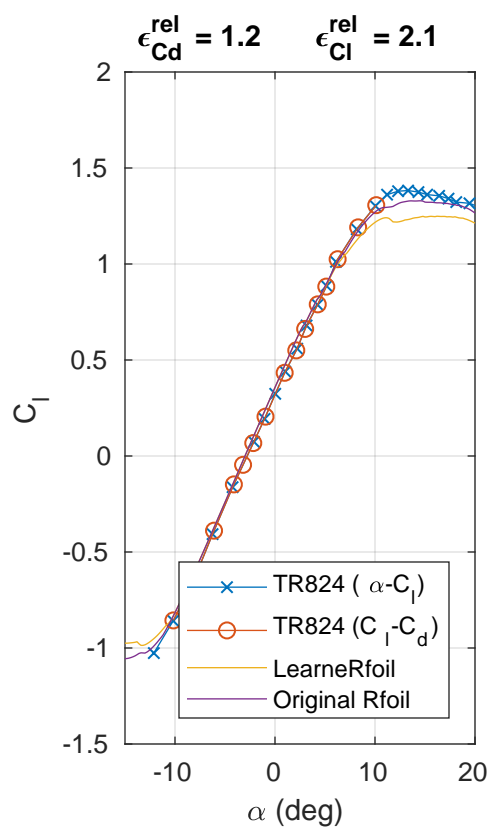
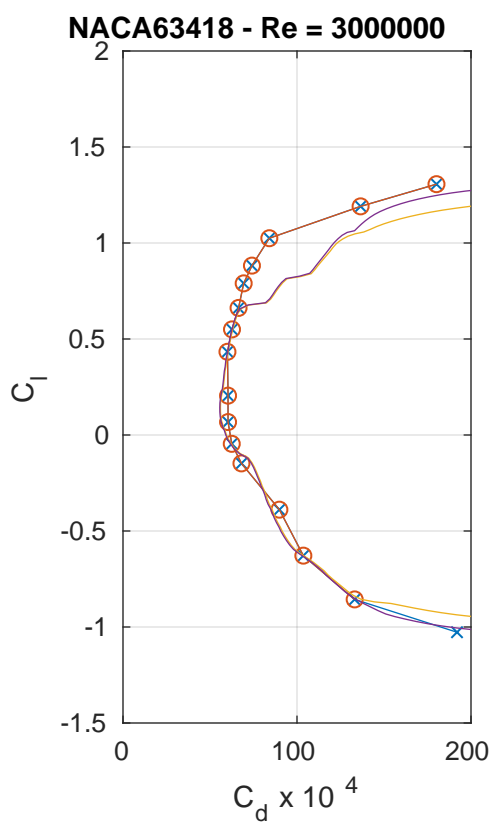
NACA63415 - Re = 6000000

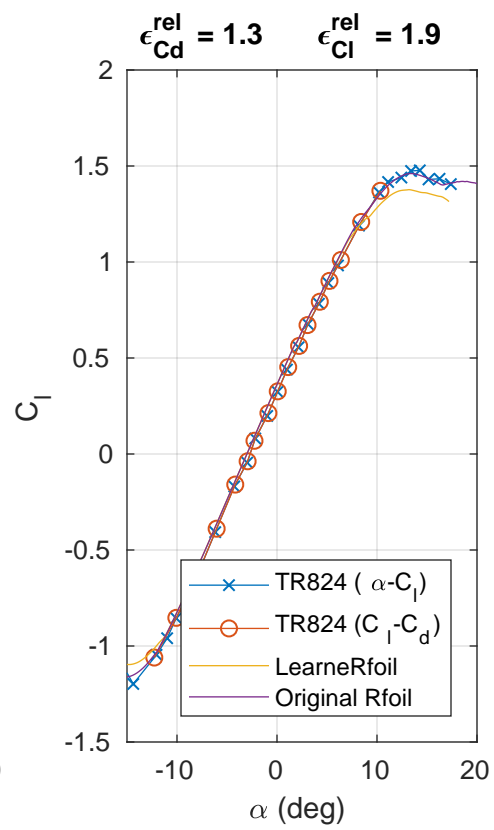
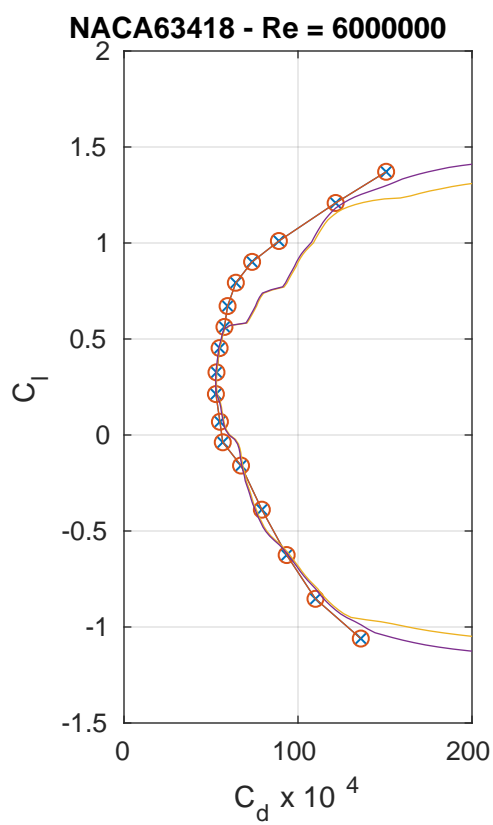


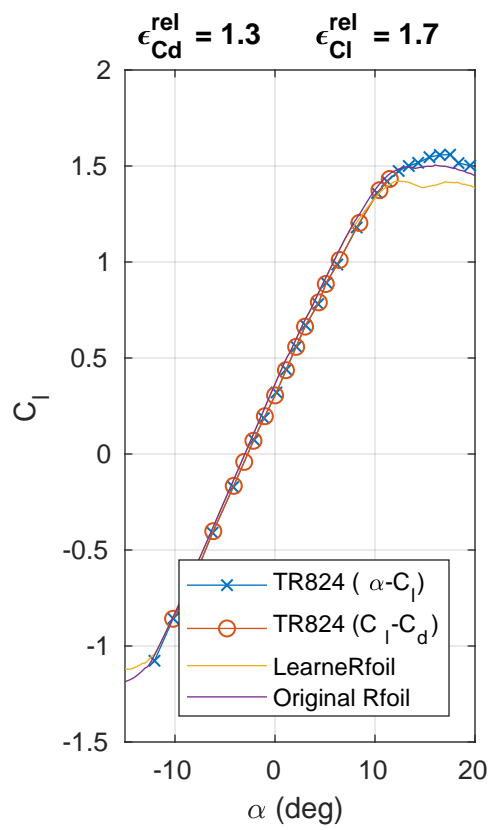
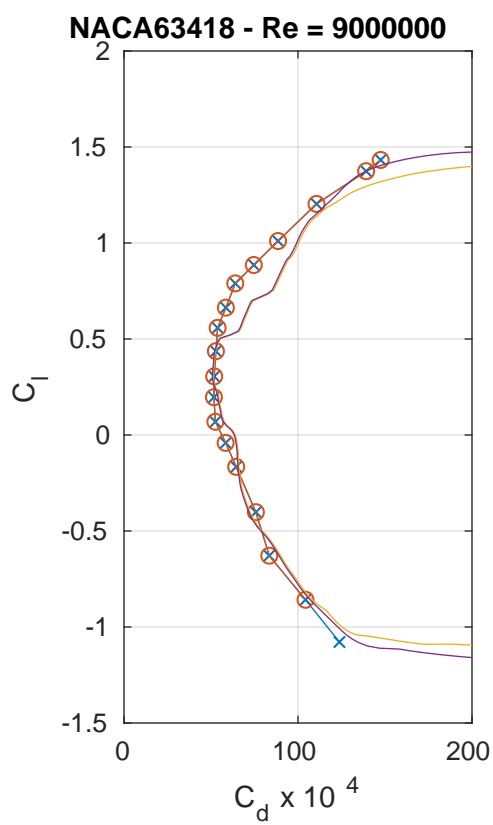
$\epsilon_{Cd}^{rel} = 1$ $\epsilon_{Cl}^{rel} = 2$



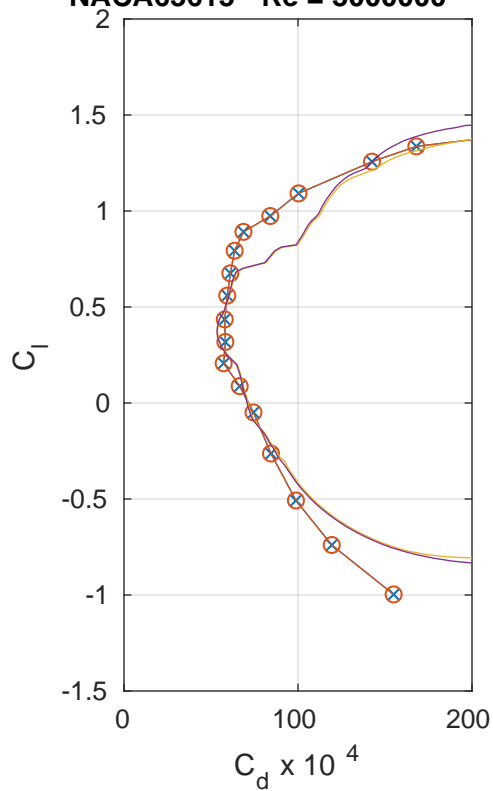




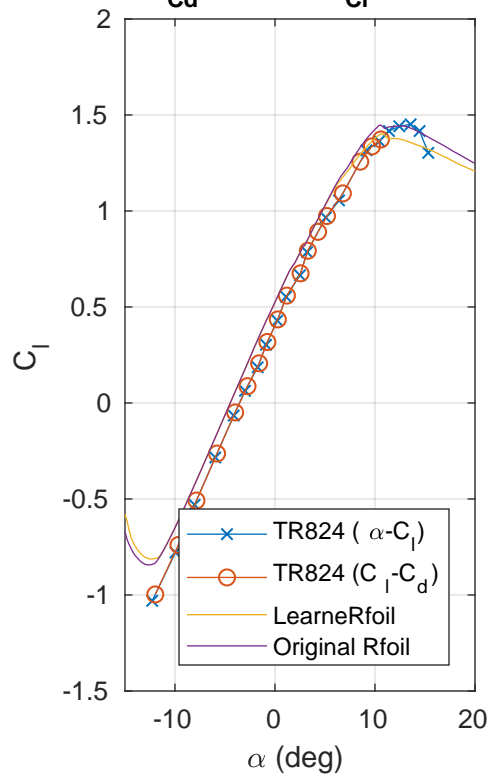




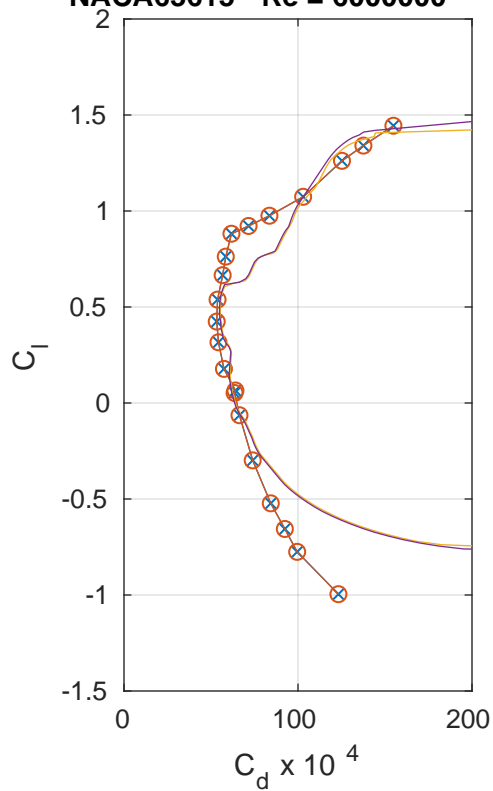
NACA63615 - Re = 3000000



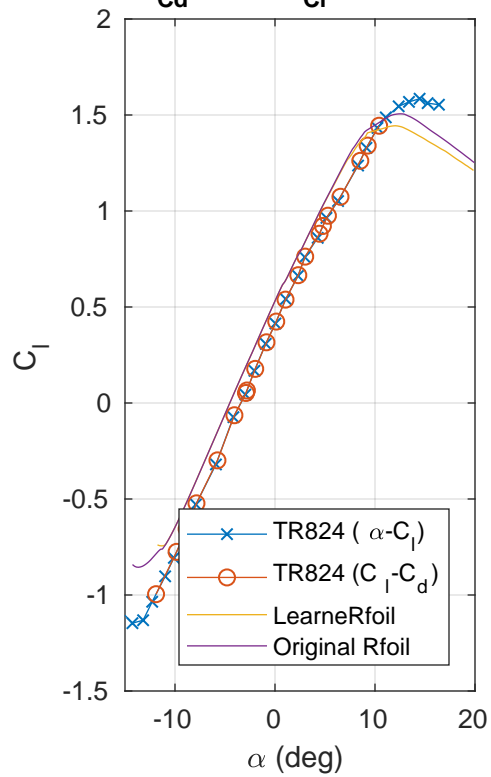
$\epsilon_{Cd}^{rel} = 1.1$ $\epsilon_{Cl}^{rel} = 1$

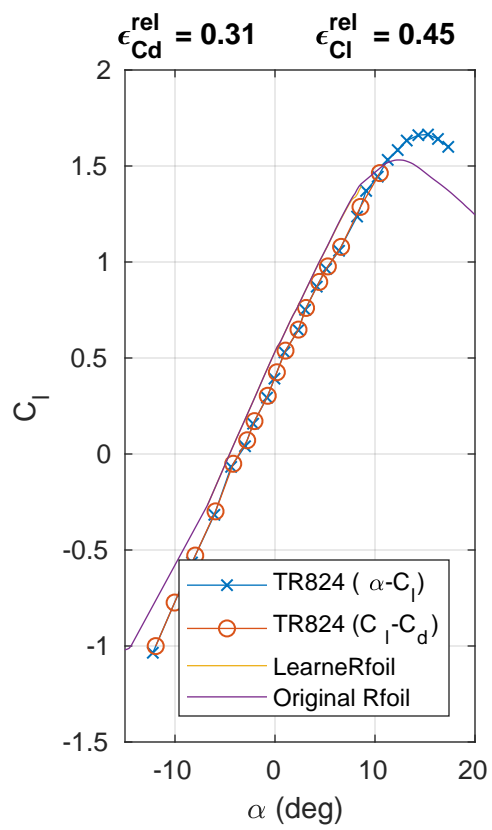
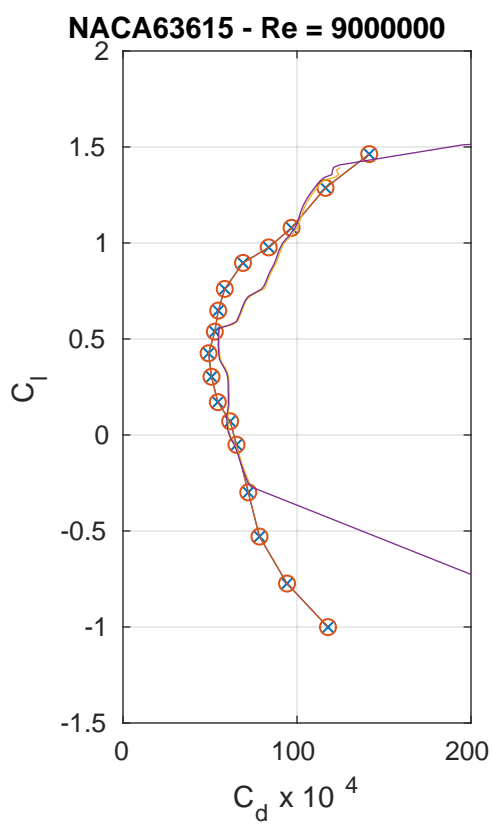


NACA63615 - Re = 6000000

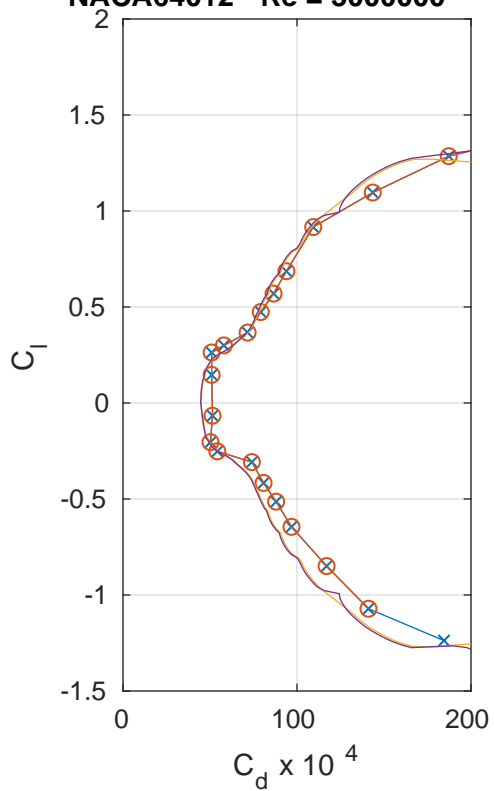


$\epsilon_{Cd}^{rel} = 1$ $\epsilon_{Cl}^{rel} = 0.87$

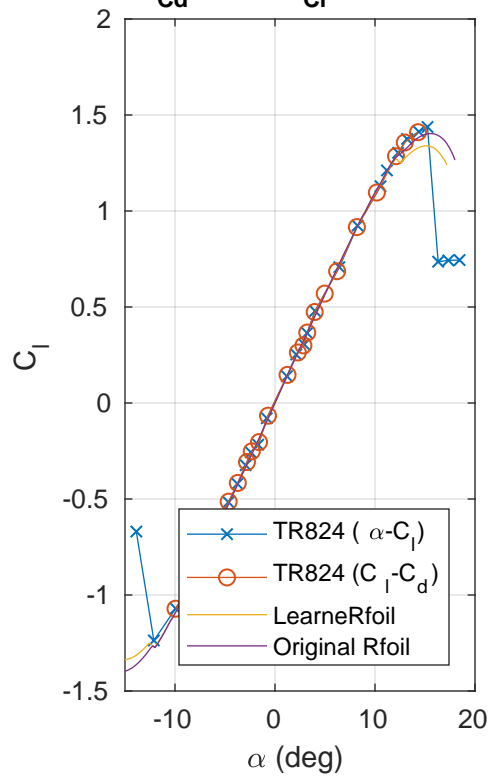


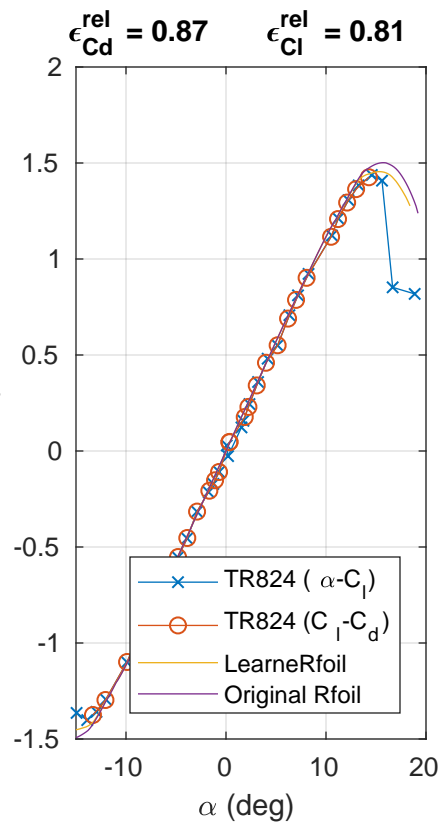
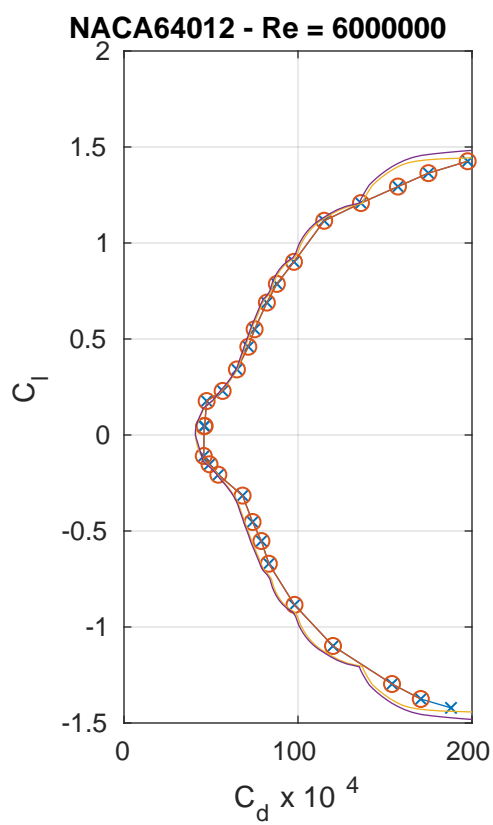


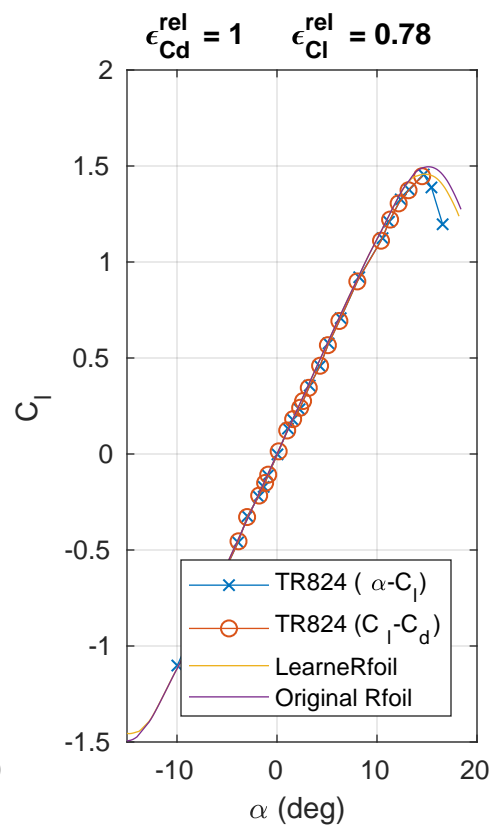
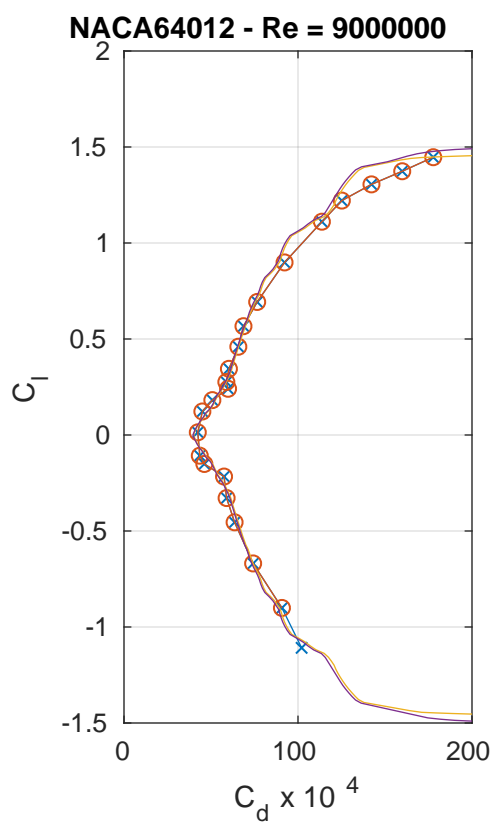
NACA64012 - Re = 3000000

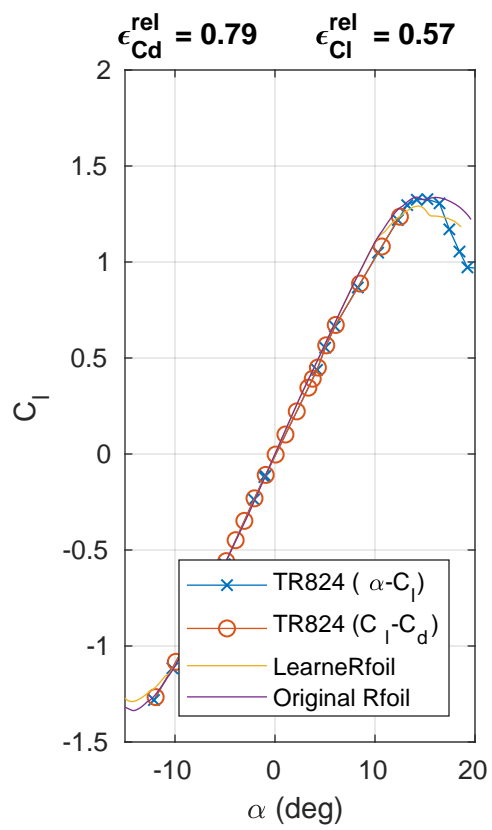
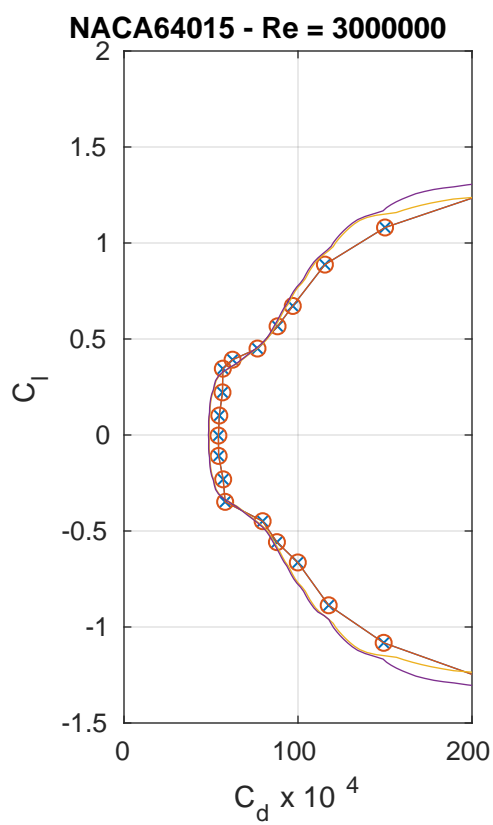


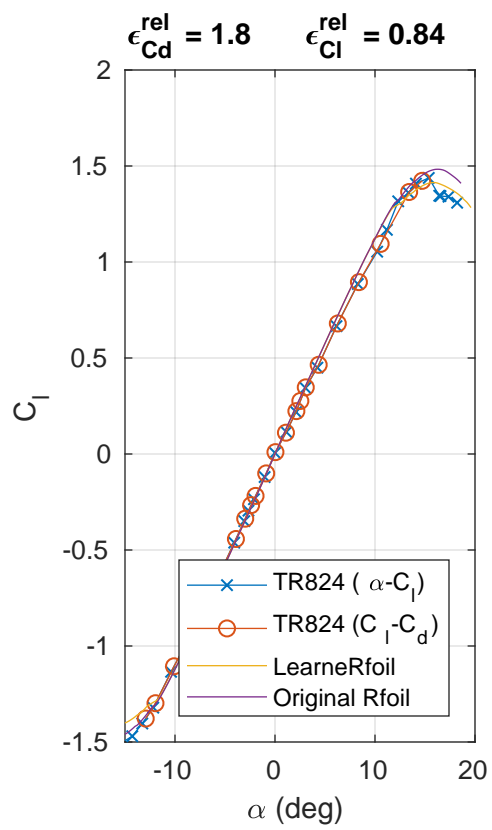
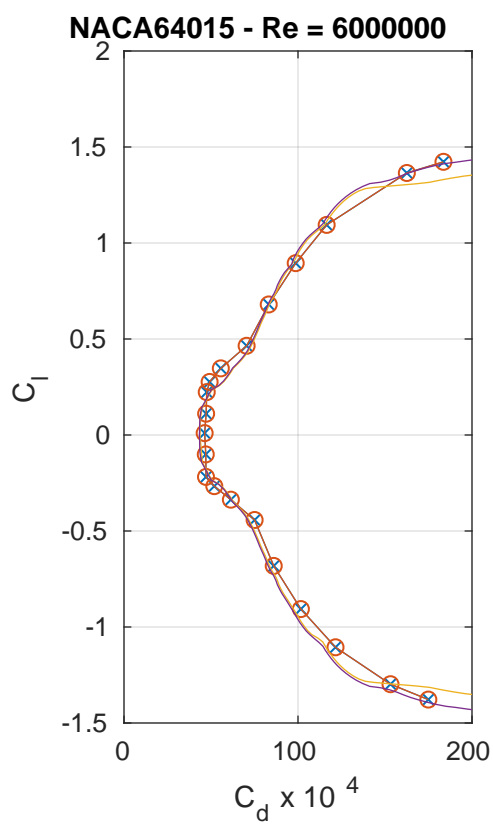
$\epsilon_{C_d}^{rel} = 1$ $\epsilon_{C_l}^{rel} = 0.76$

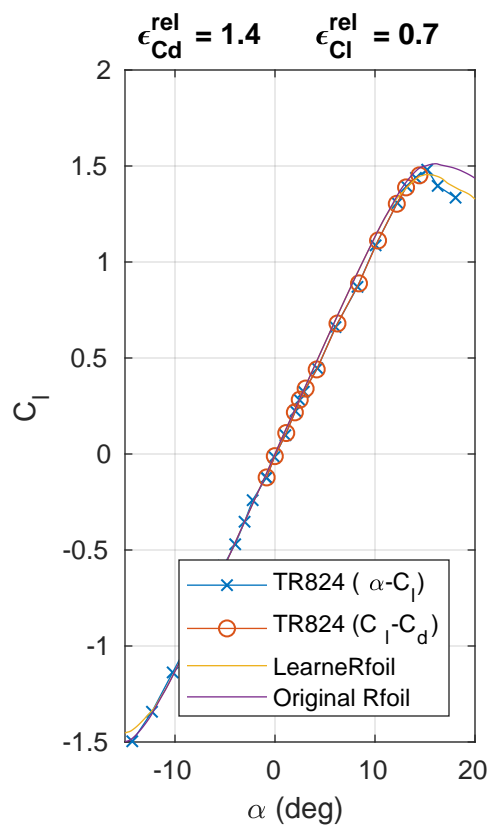
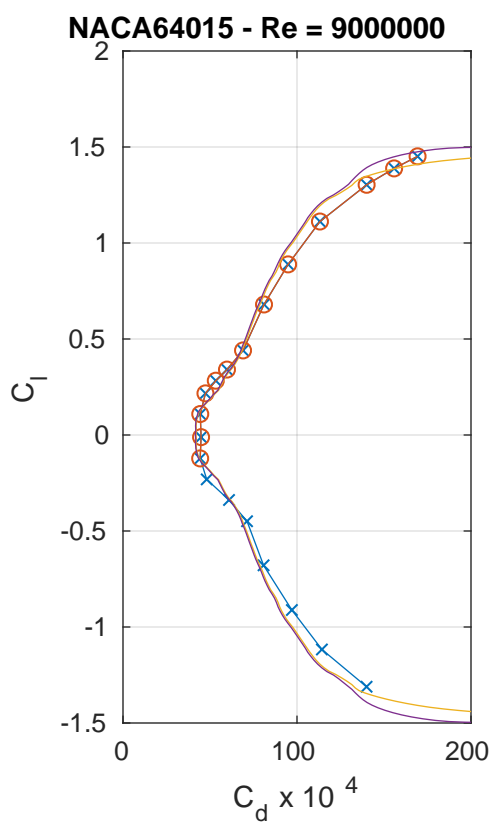


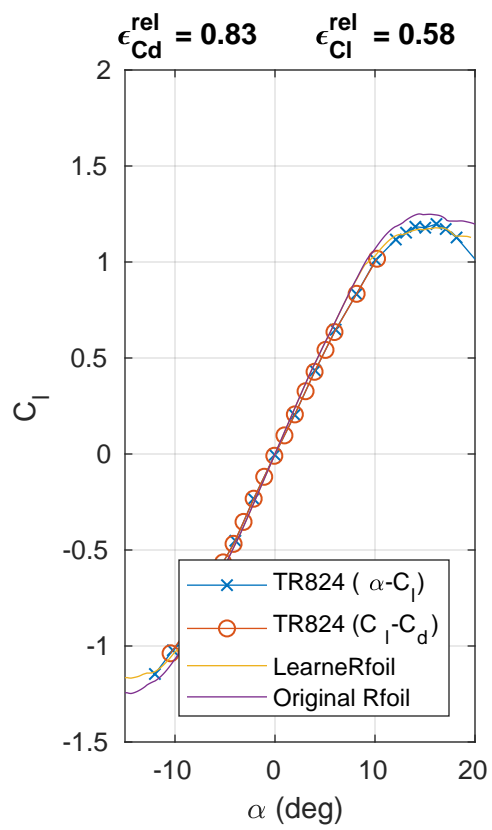
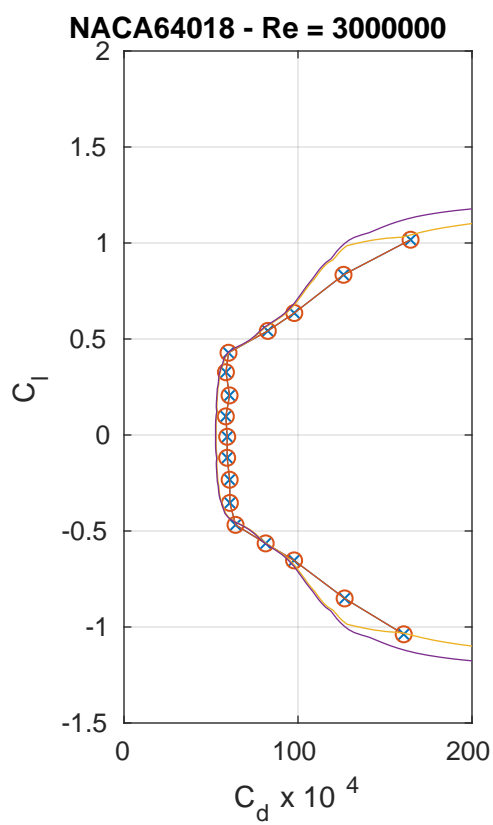


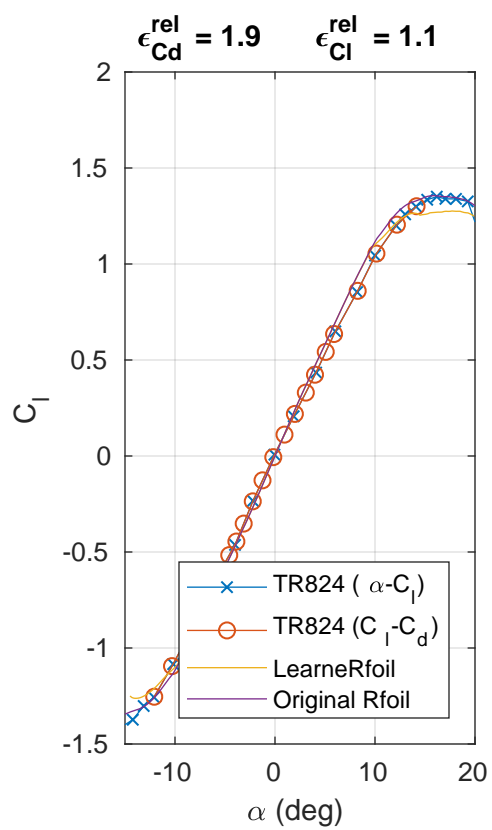
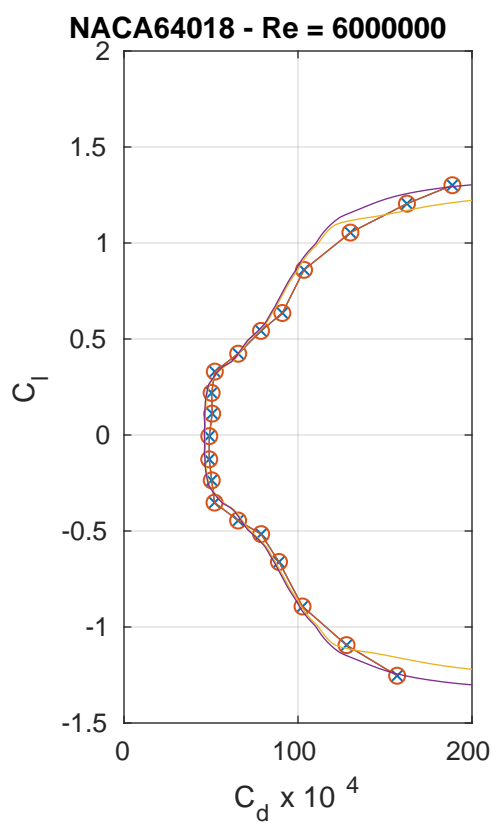


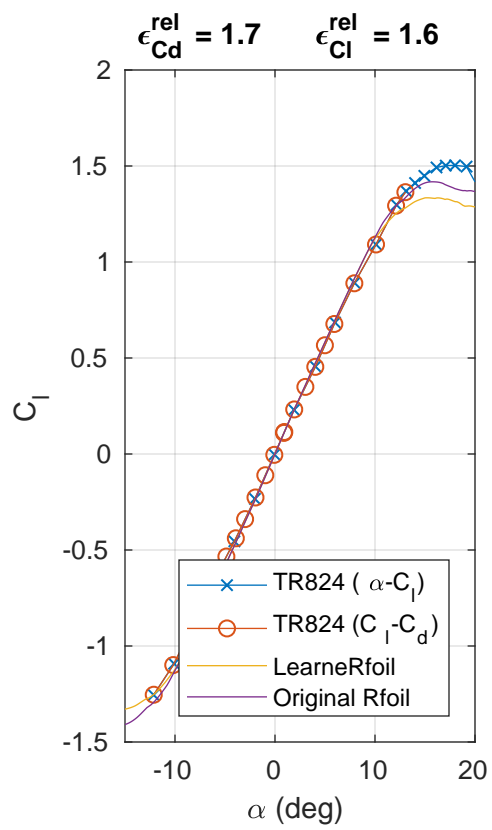
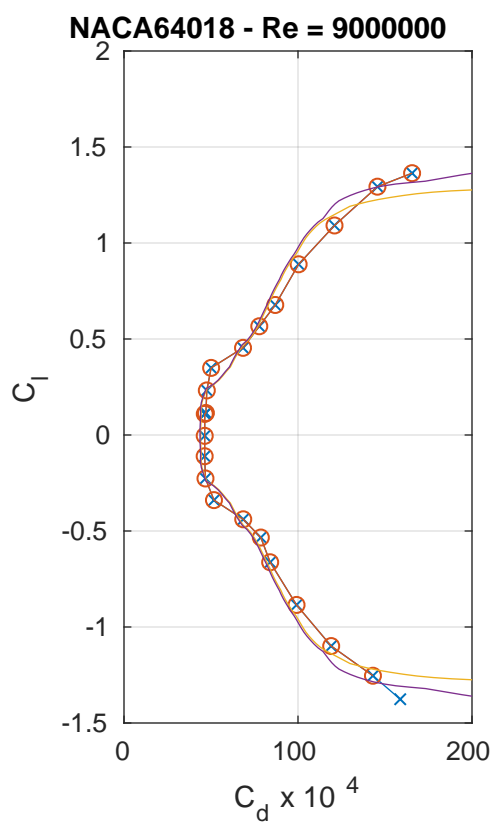


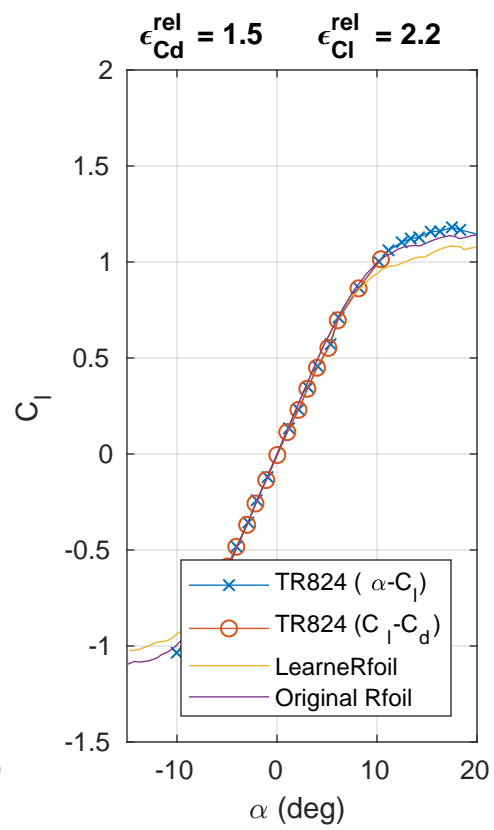
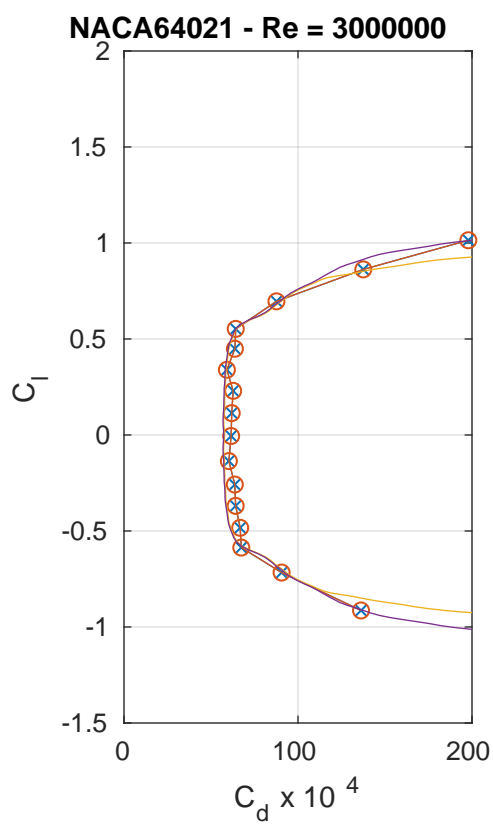


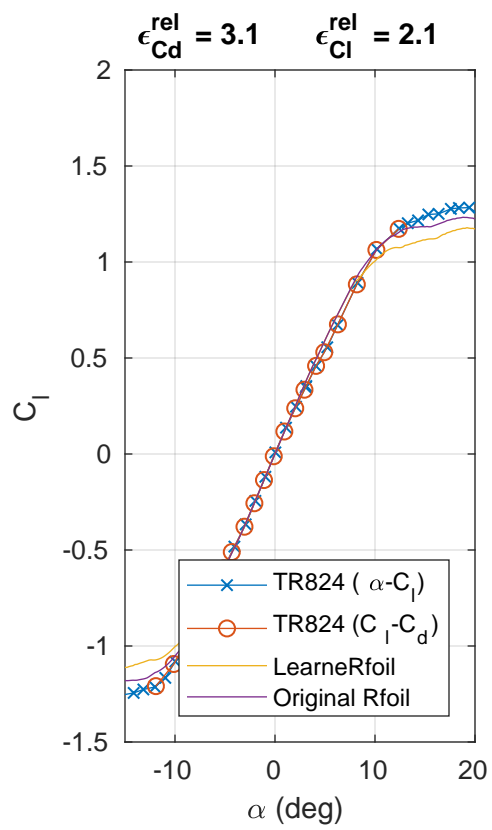
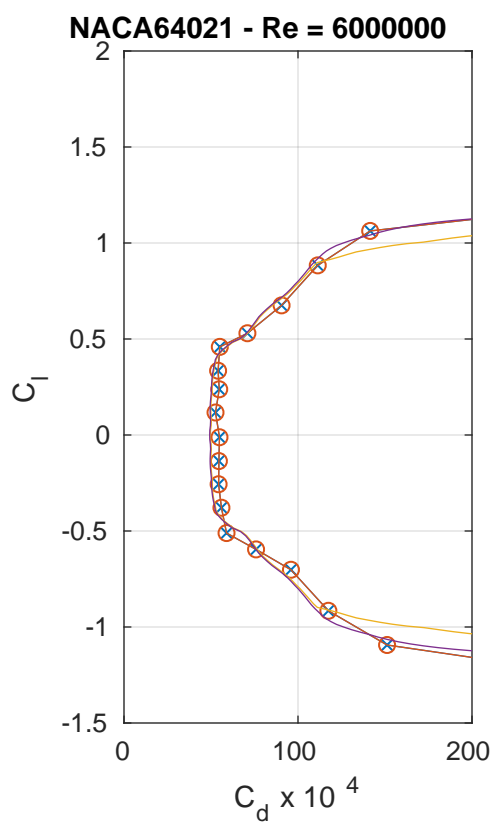


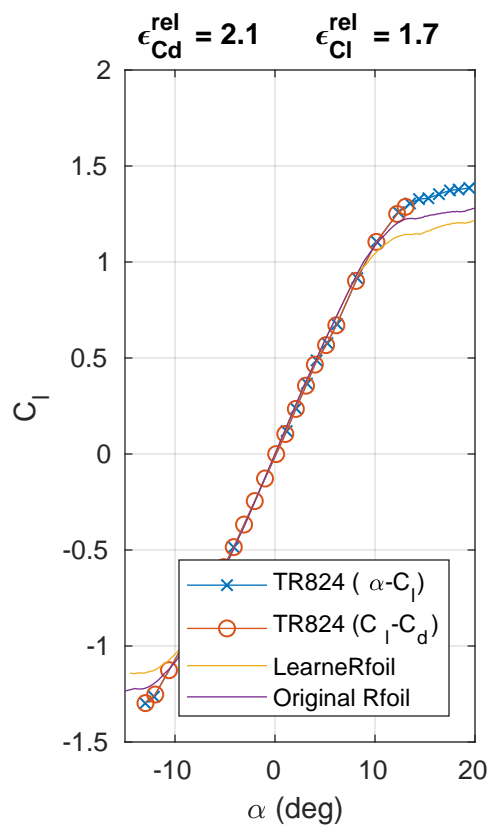
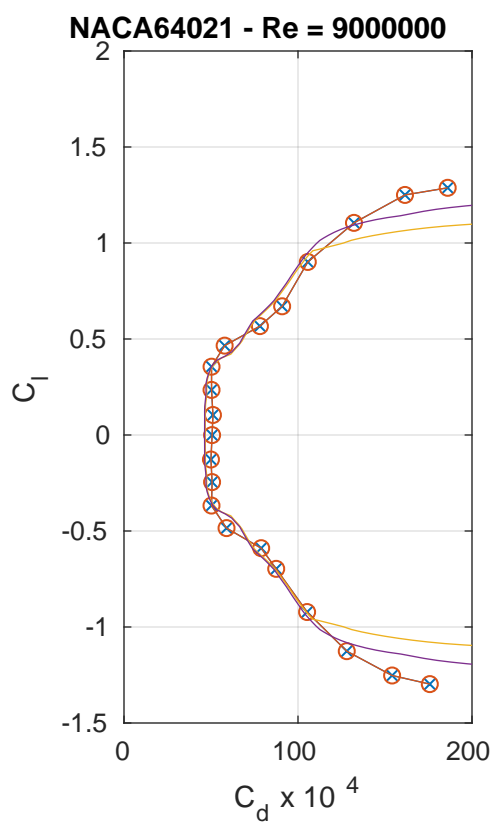


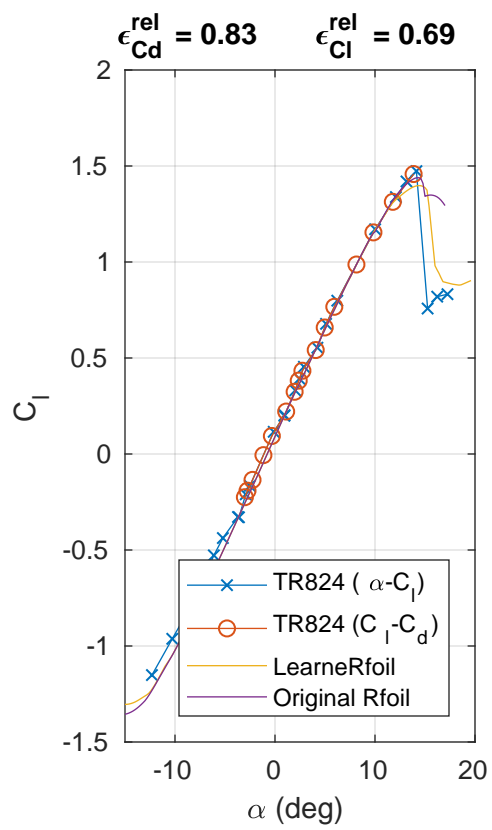
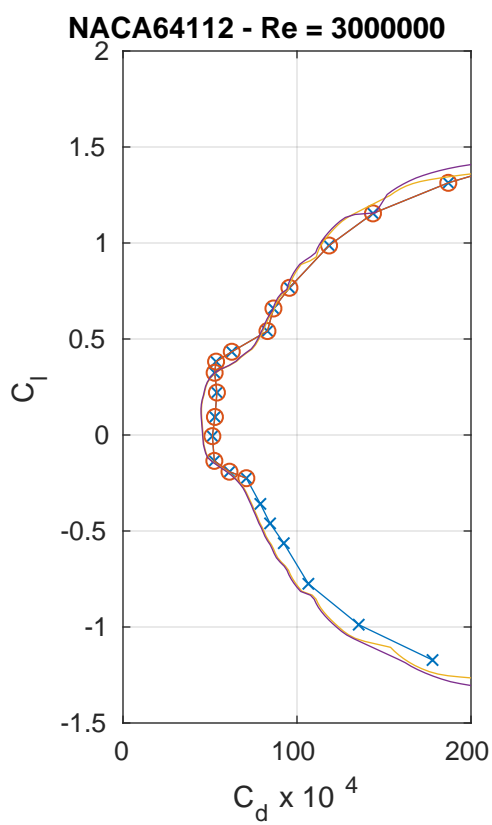


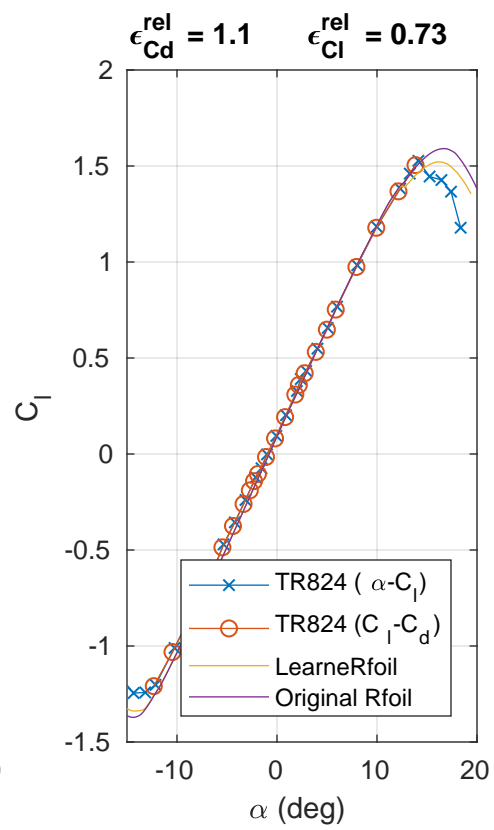
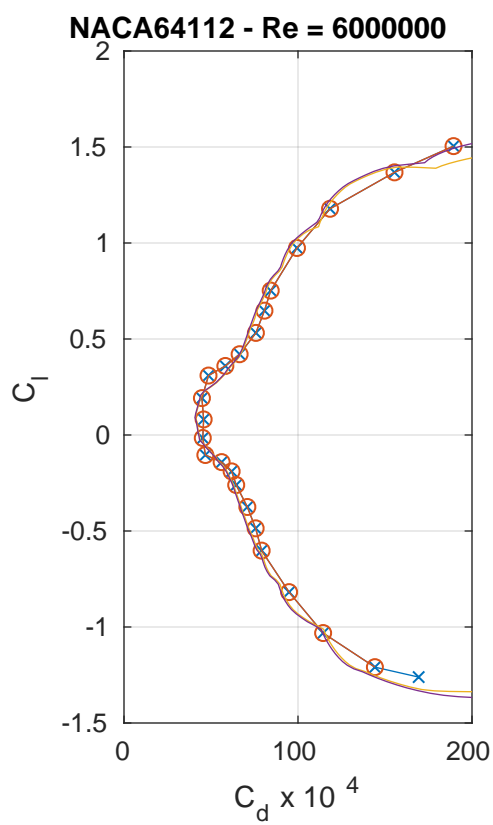




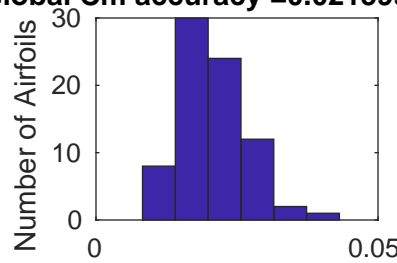
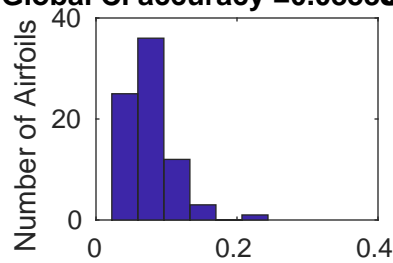






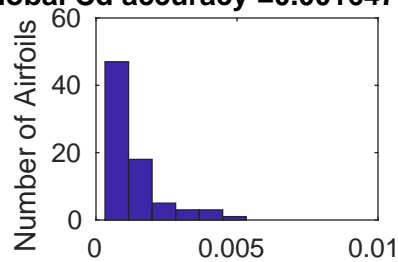


Global Cl accuracy =0.08386**Global Cm accuracy =0.021599**



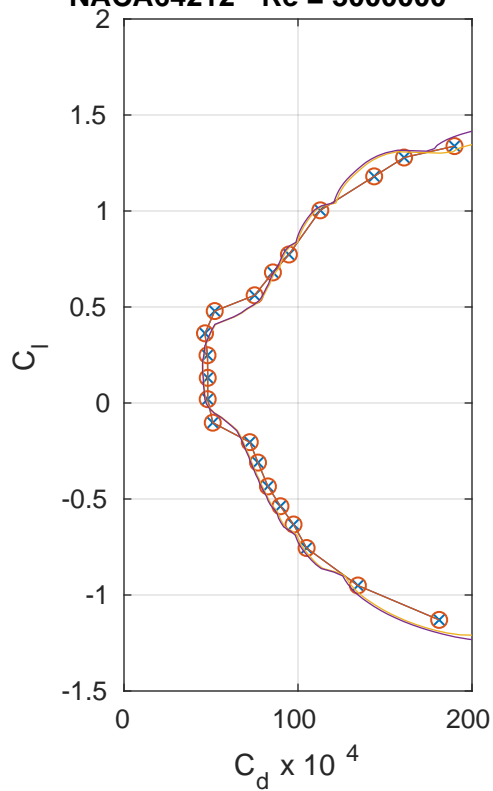
Cl - Lift Coefficient RMS errorCm - Pitch Coefficient RMS error

Global Cd accuracy =0.0016471

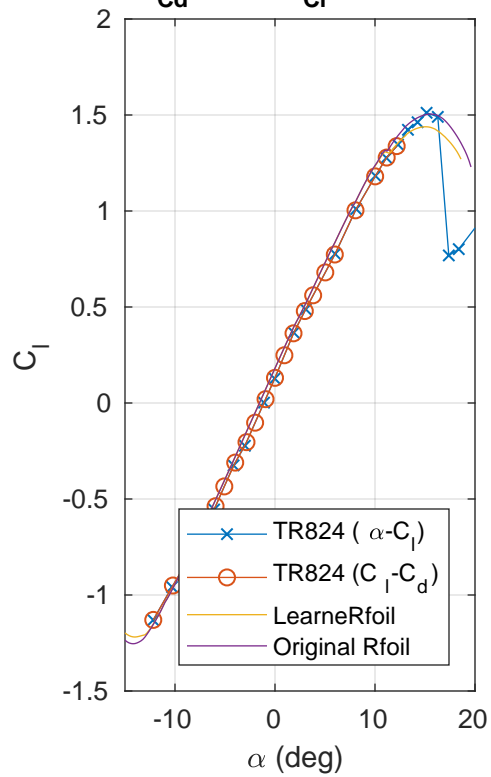


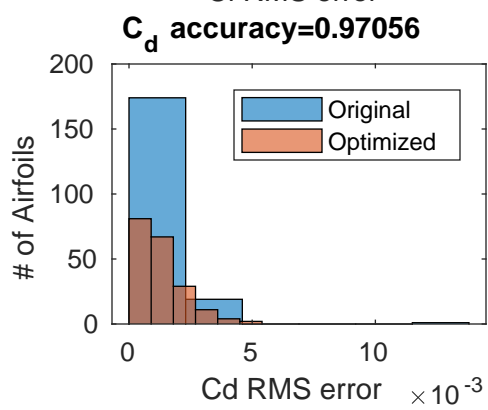
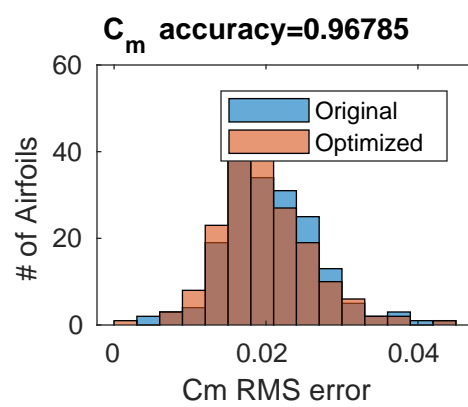
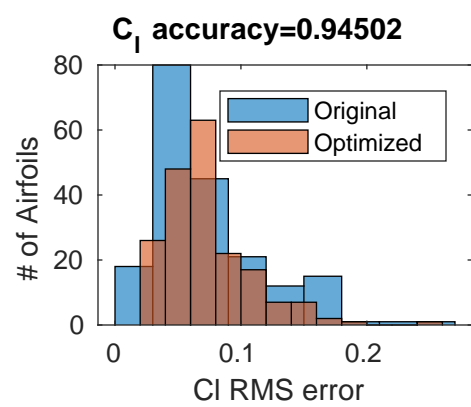
Cd - Drag Coefficient RMS error

NACA64212 - Re = 3000000

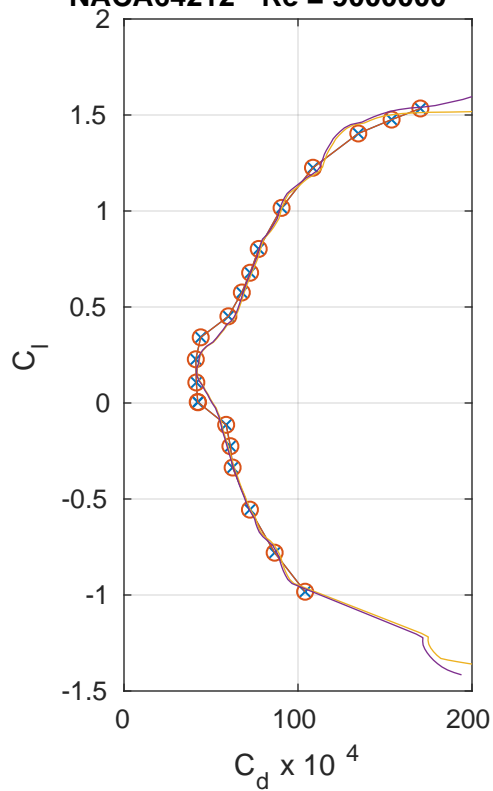


$\epsilon_{C_d}^{rel} = 1$ $\epsilon_{C_l}^{rel} = 0.75$

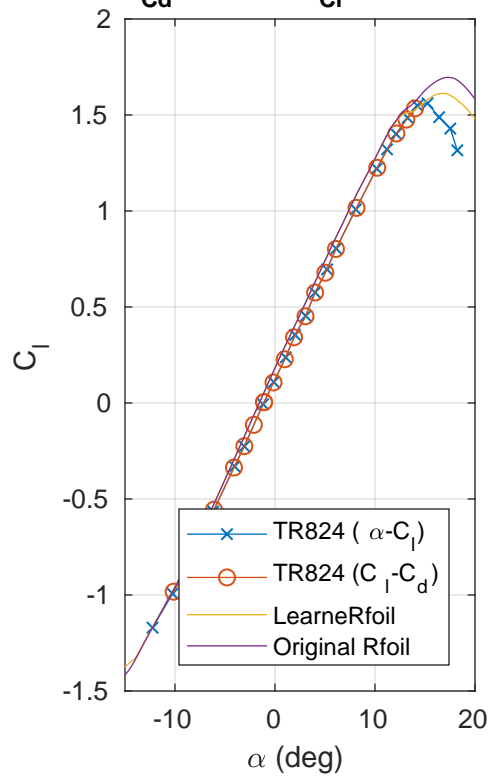




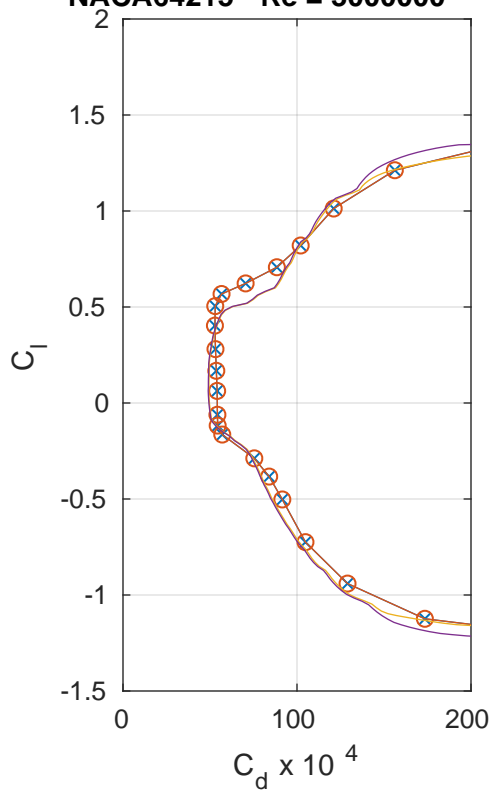
NACA64212 - Re = 9000000



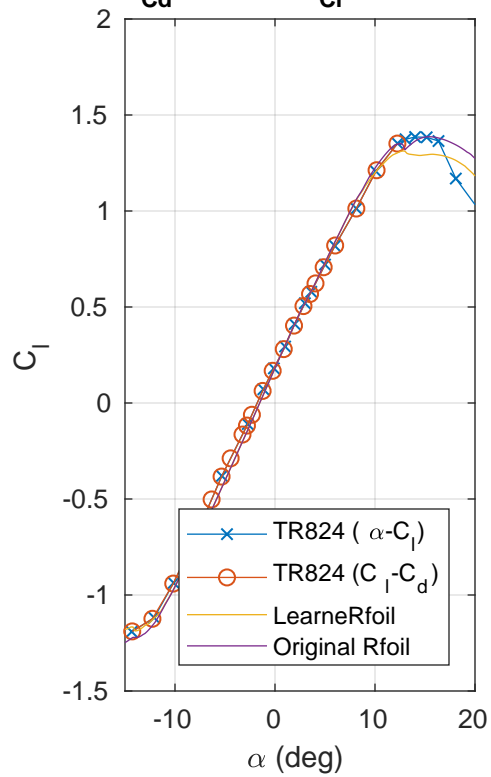
$\epsilon_{C_d}^{rel} = 1.3$ $\epsilon_{C_l}^{rel} = 0.76$

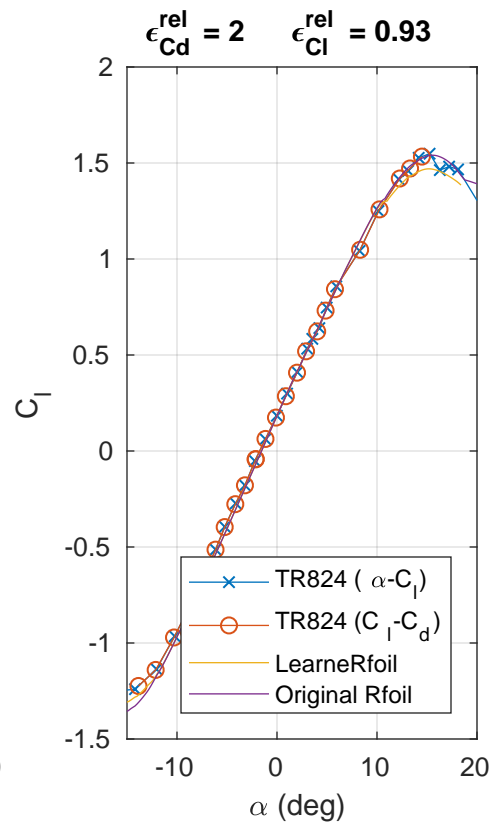
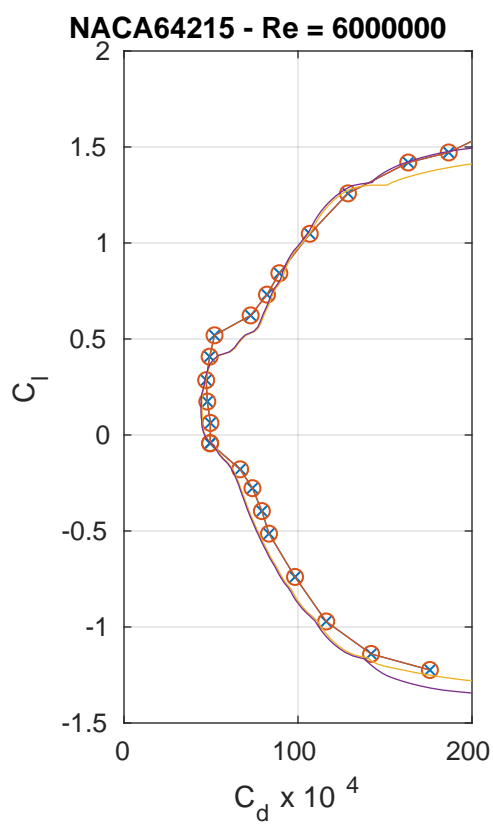


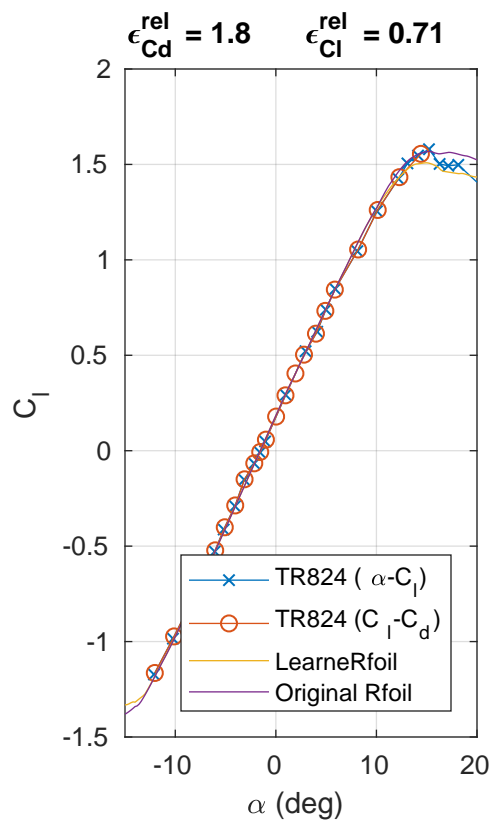
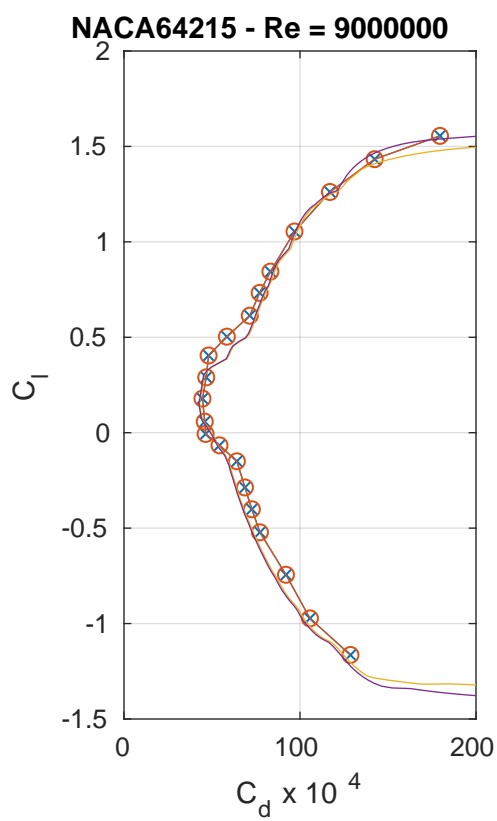
NACA64215 - Re = 3000000

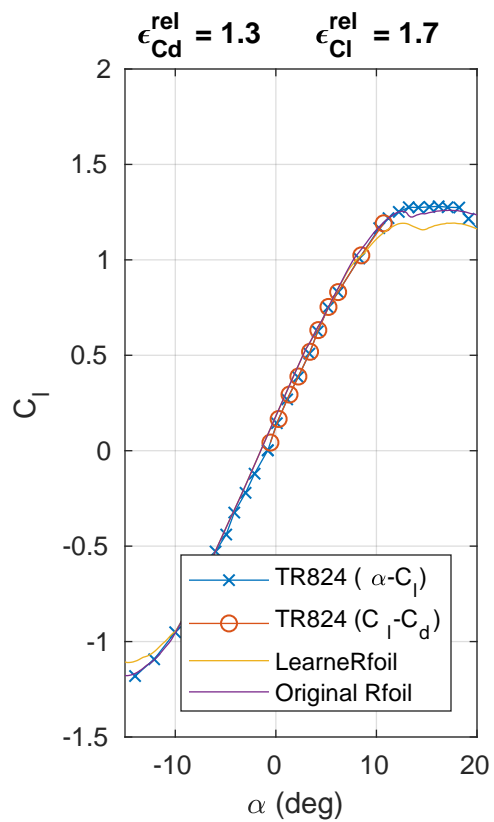
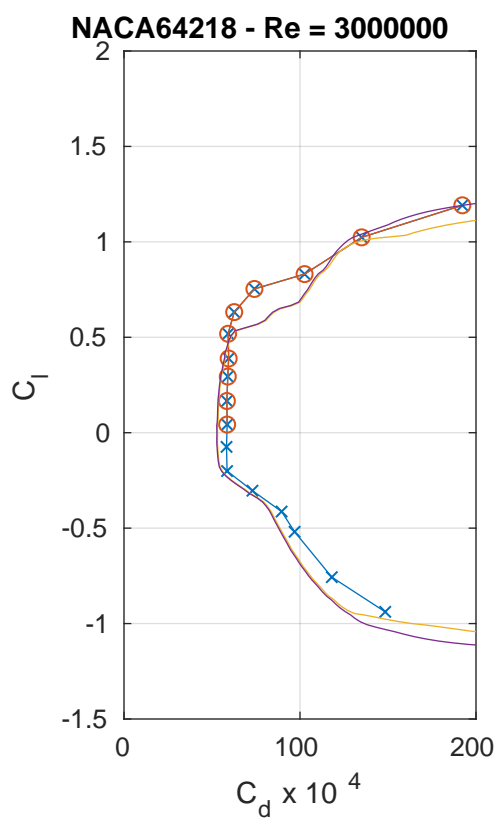


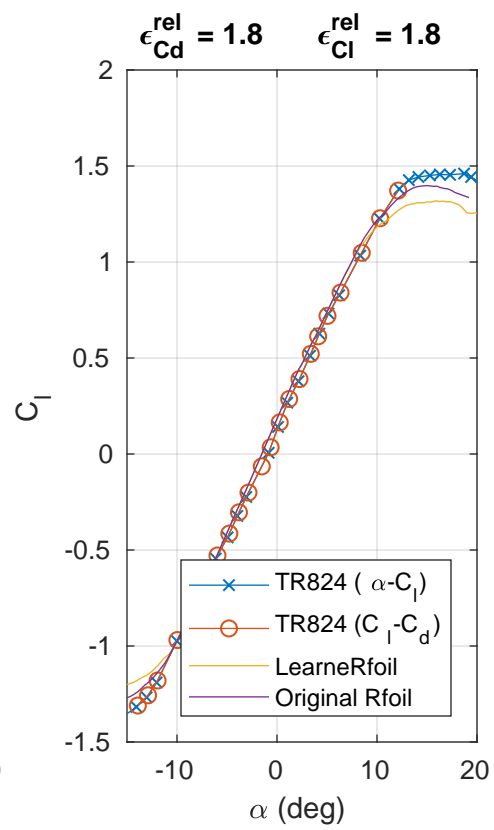
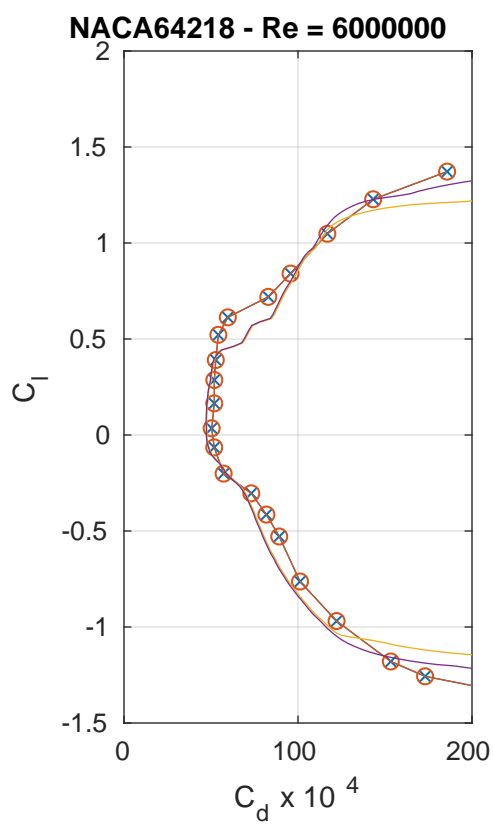
$\epsilon_{C_d}^{rel} = 1.1$ $\epsilon_{C_l}^{rel} = 0.79$

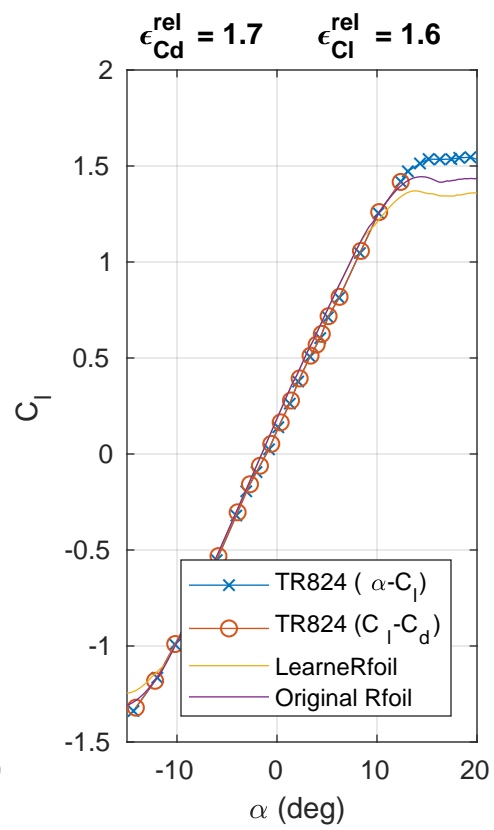
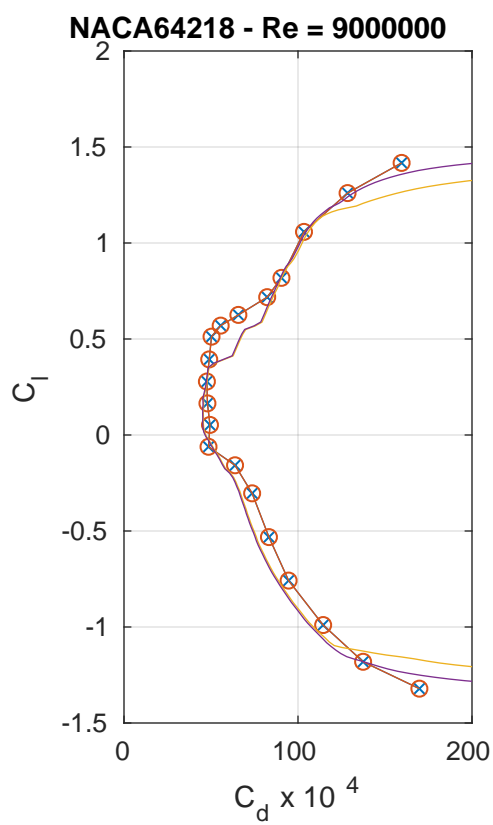


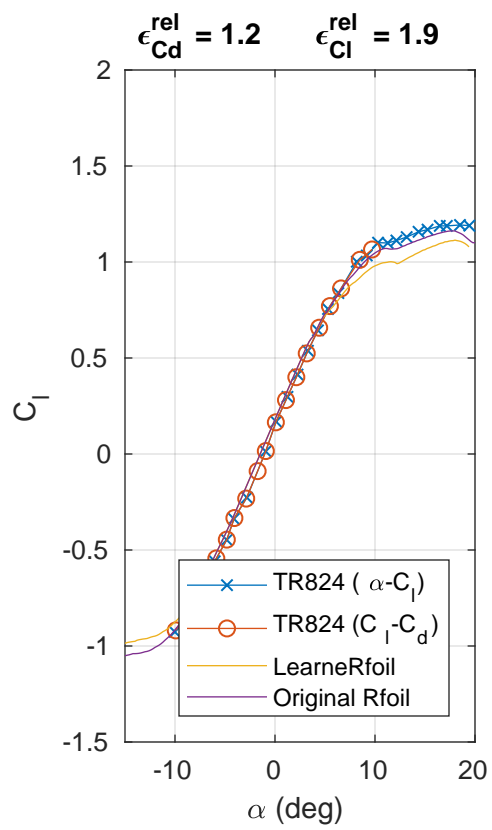
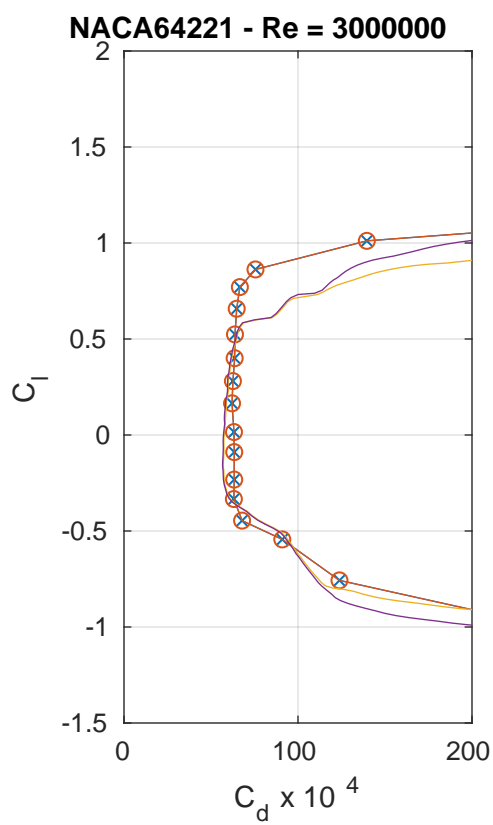




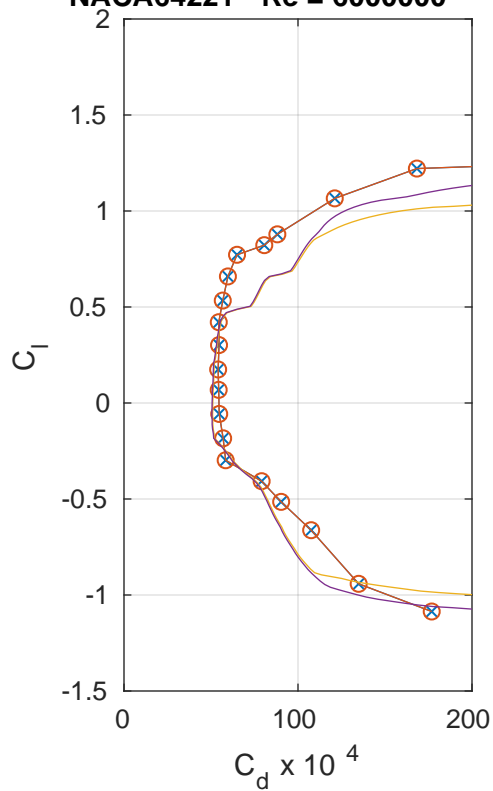




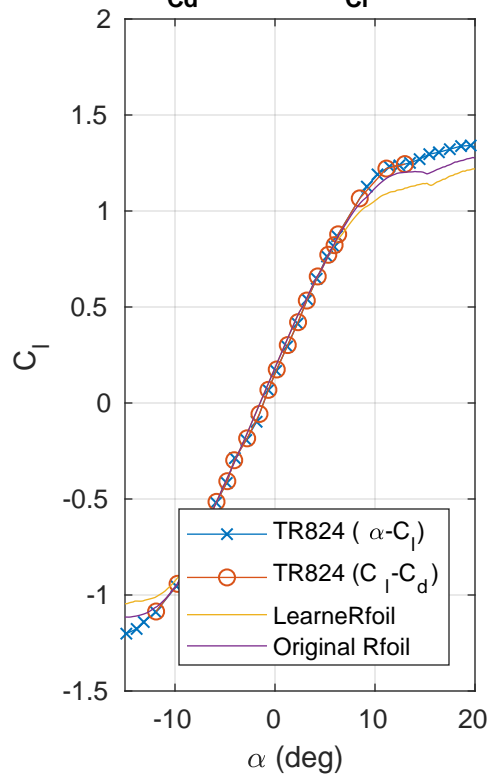


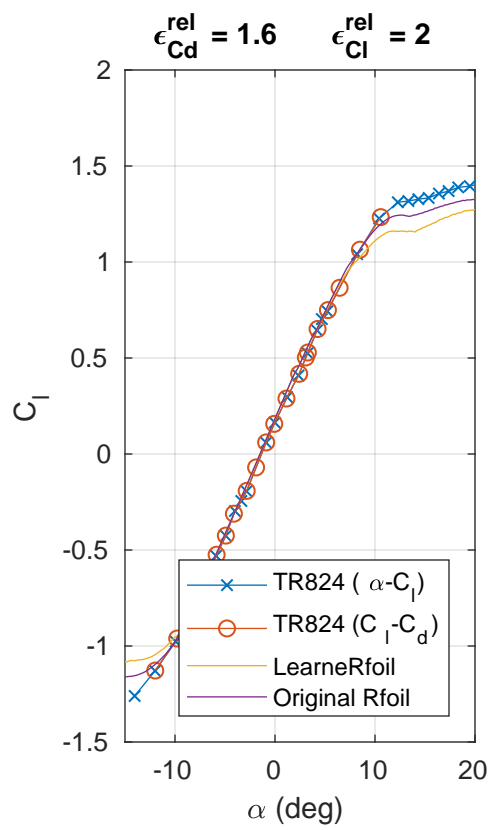
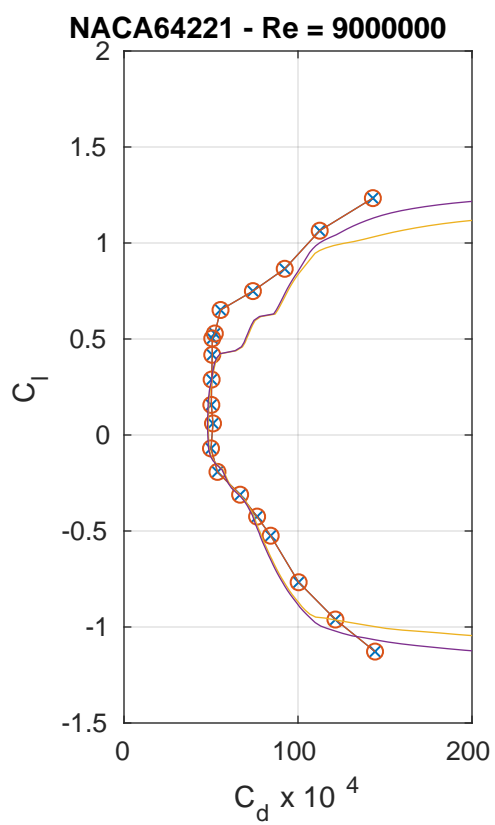


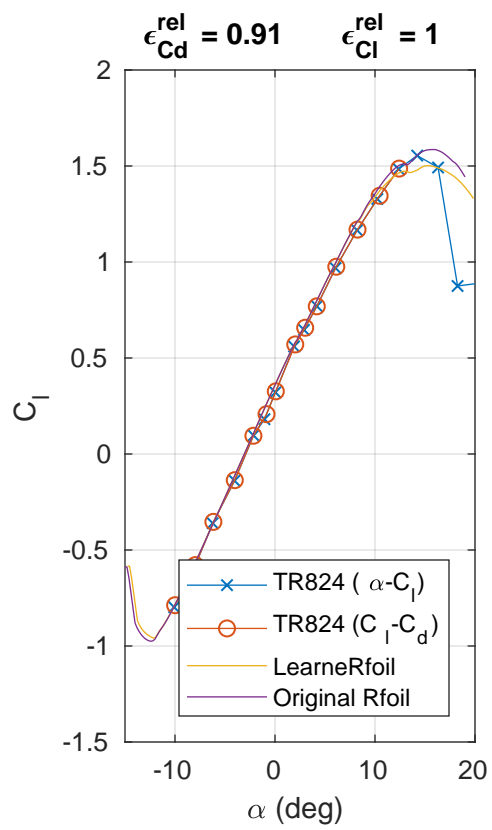
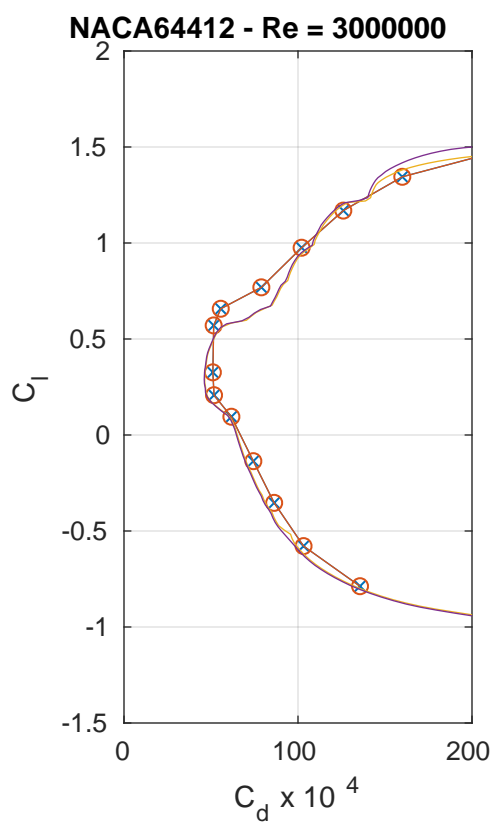
NACA64221 - Re = 6000000



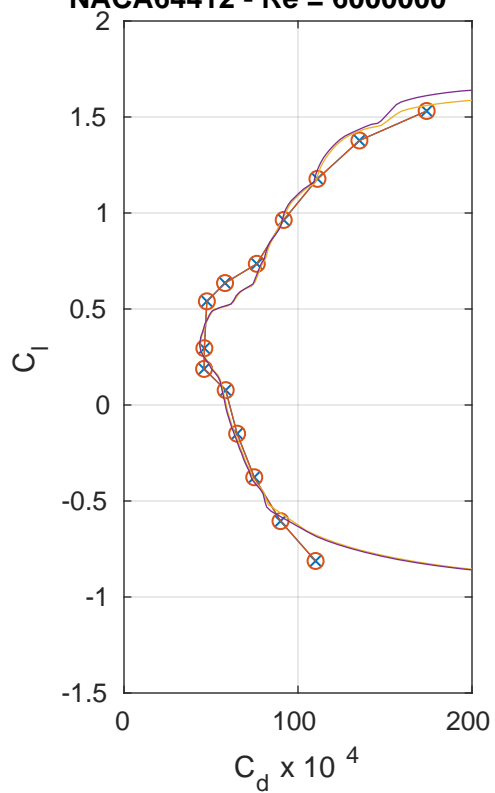
$\epsilon_{C_d}^{rel} = 1.7$ $\epsilon_{C_l}^{rel} = 2$



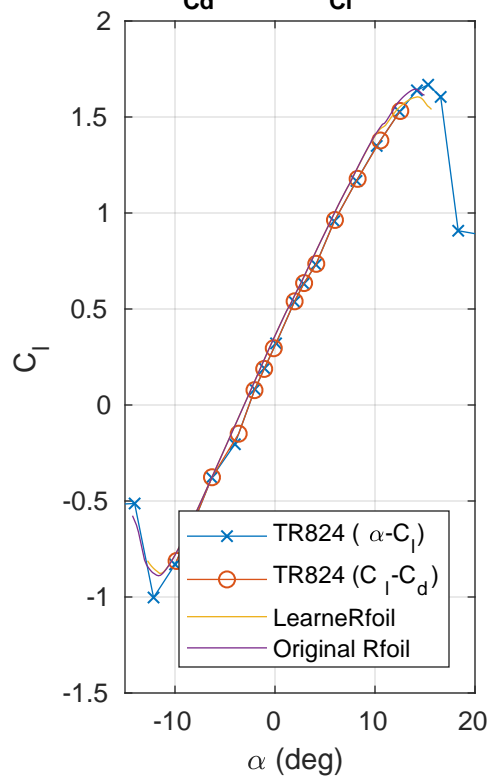




NACA64412 - Re = 6000000

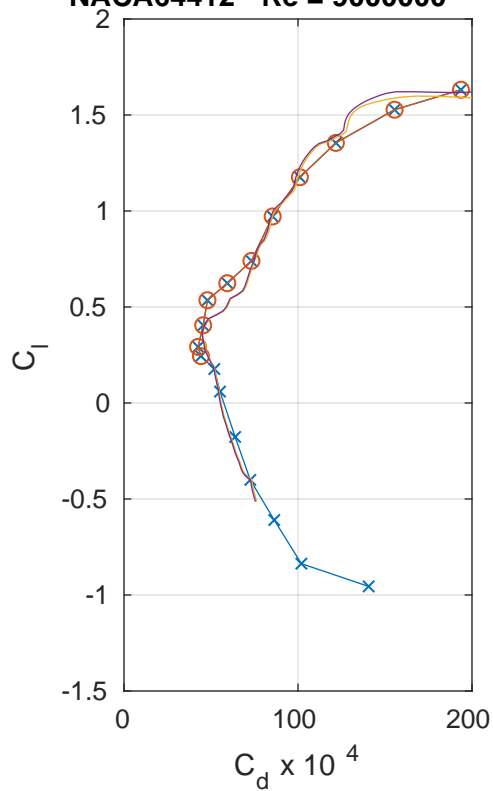


$\epsilon_{Cd}^{rel} = 1$ $\epsilon_{Cl}^{rel} = 1$

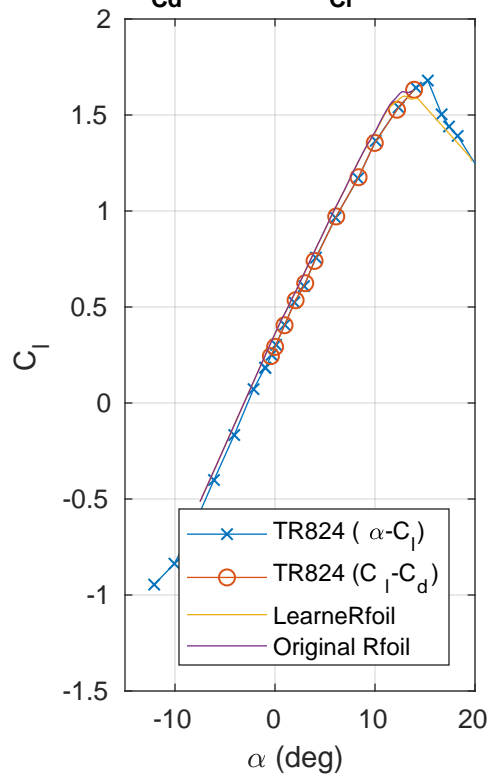


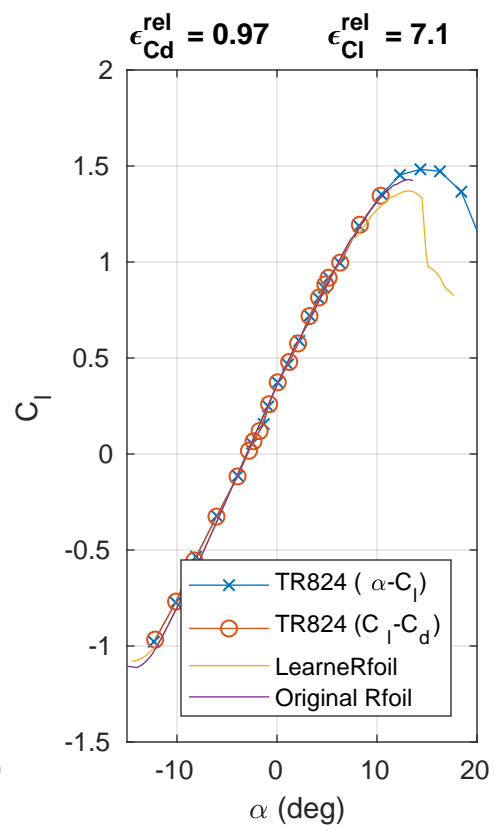
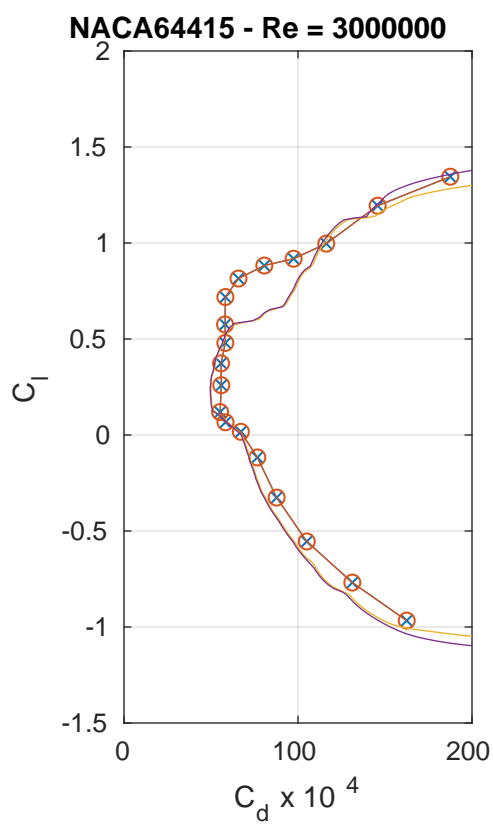
- TR824 (α - C_l)
- TR824 (C_l - C_d)
- LearnRfoil
- Original Rfoil

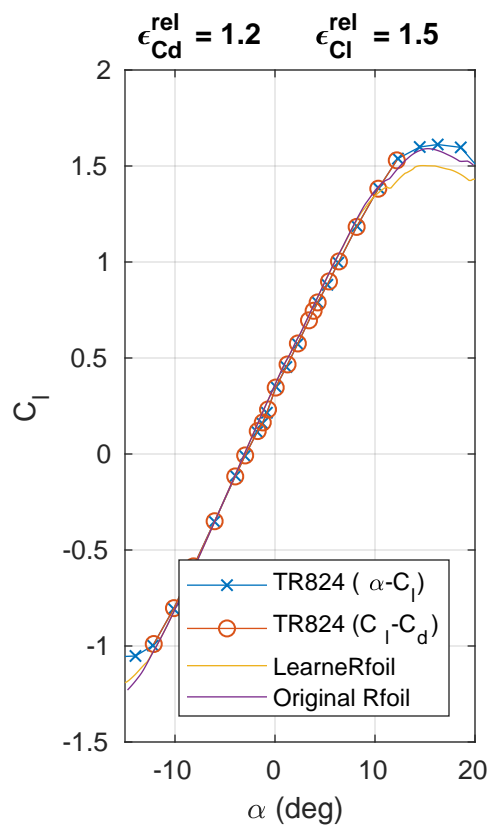
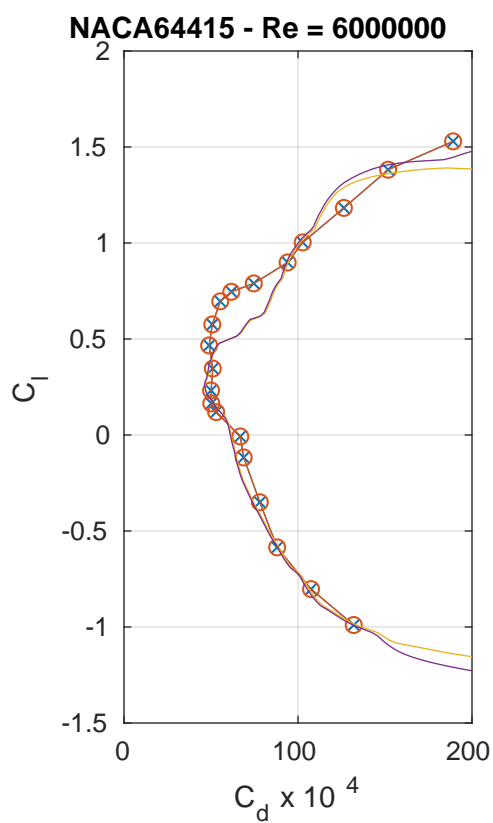
NACA64412 - Re = 9000000

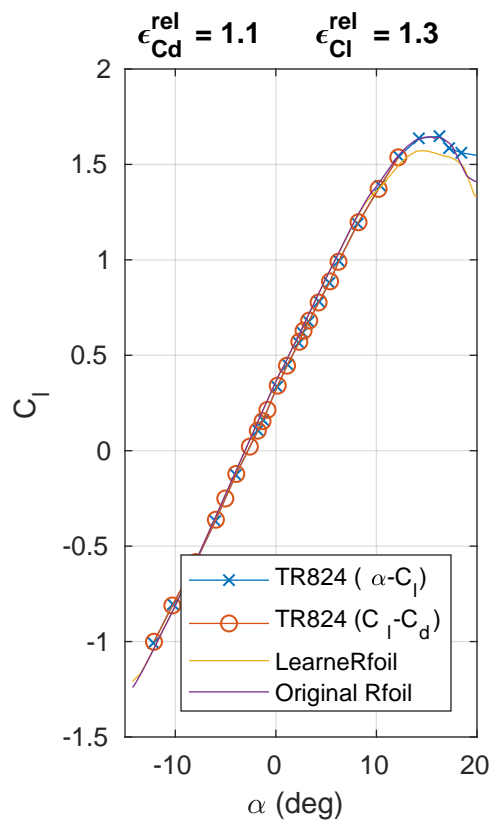
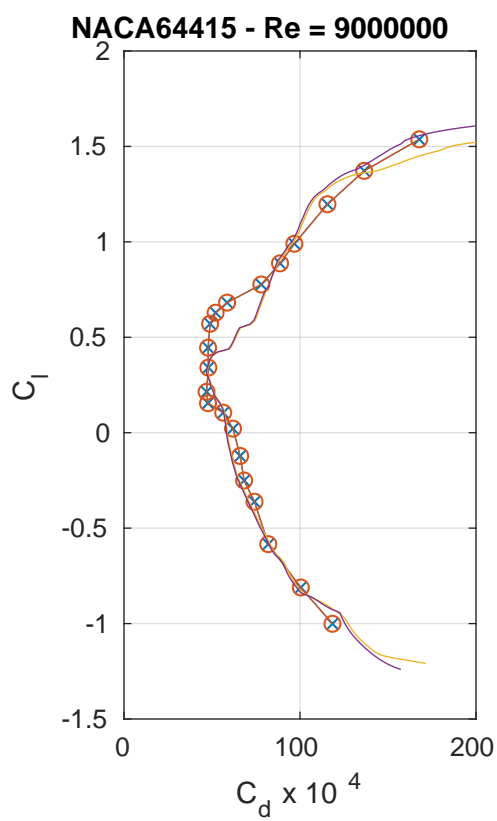


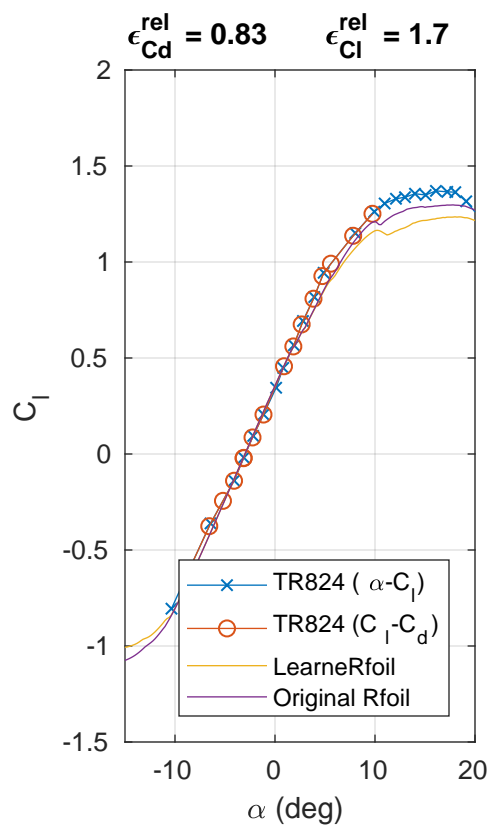
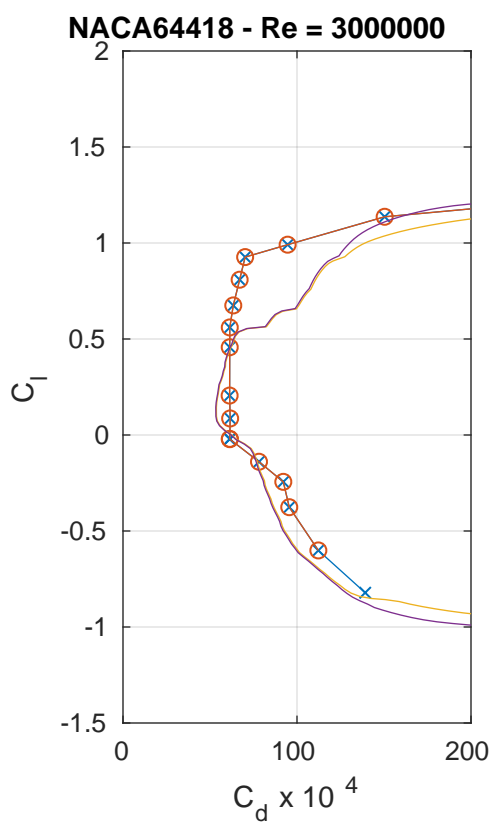
$\epsilon_{C_d}^{rel} = 1.3$ $\epsilon_{C_l}^{rel} = 1.3$



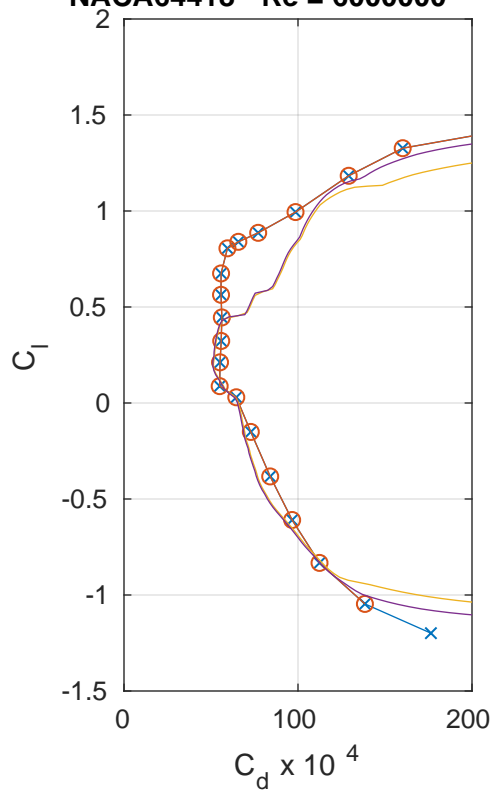




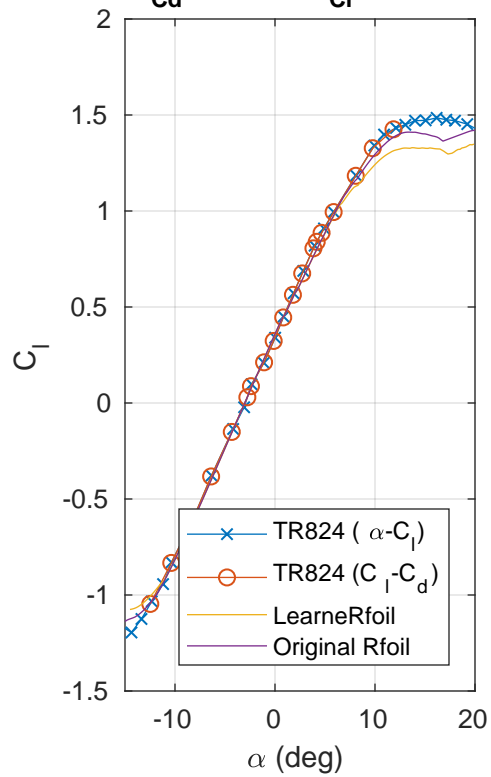


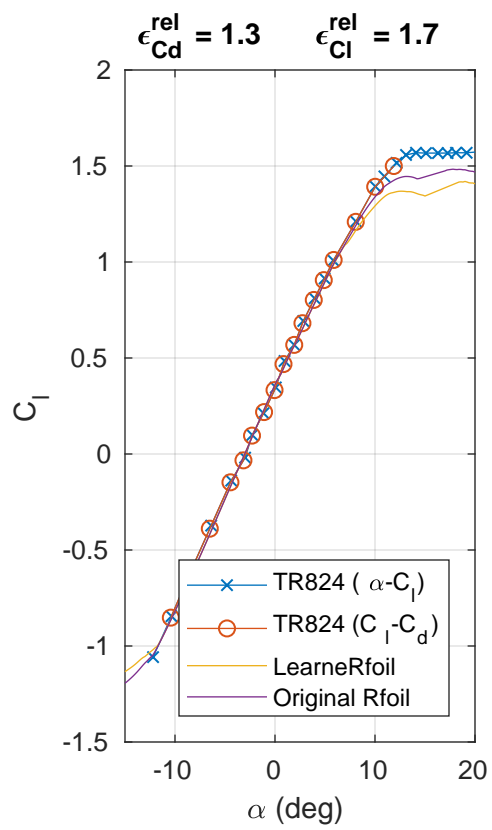
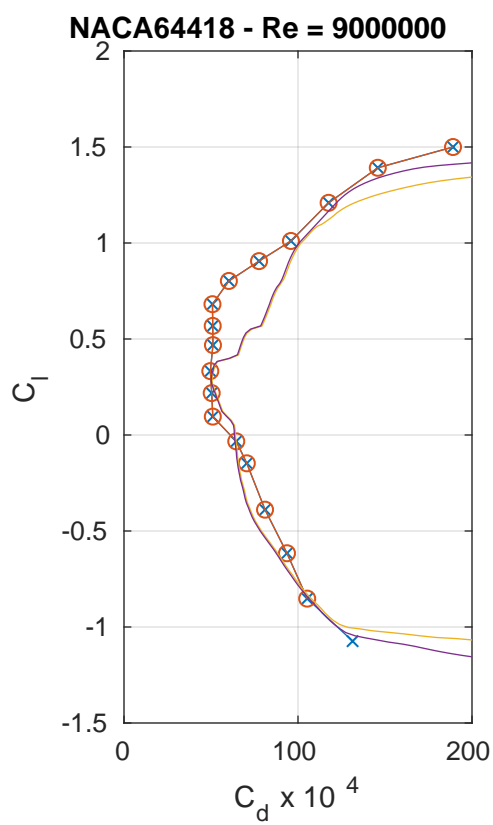


NACA64418 - Re = 6000000

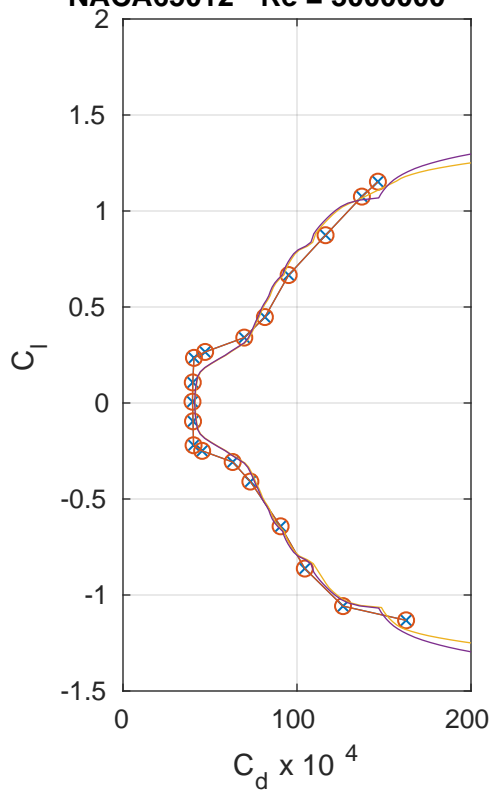


$\epsilon_{C_d}^{rel} = 1.6$ $\epsilon_{C_l}^{rel} = 1.9$

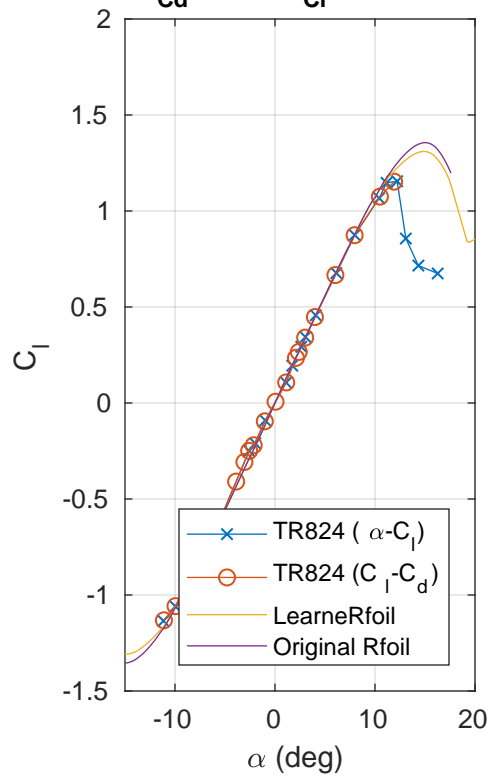


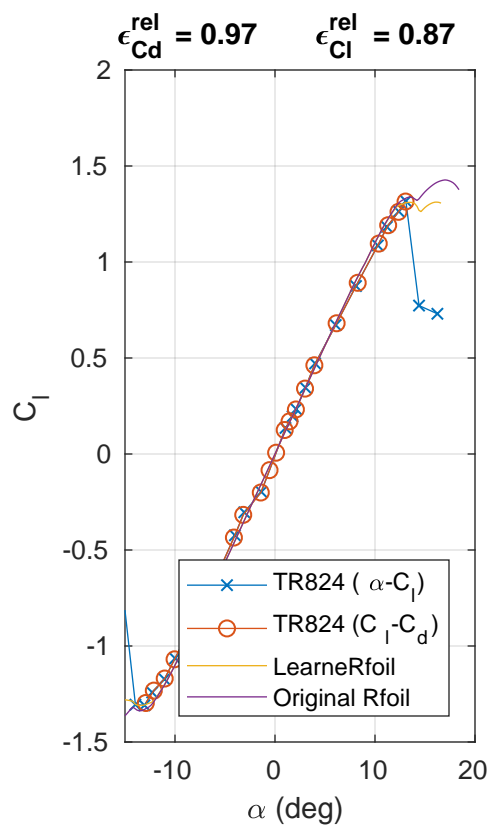
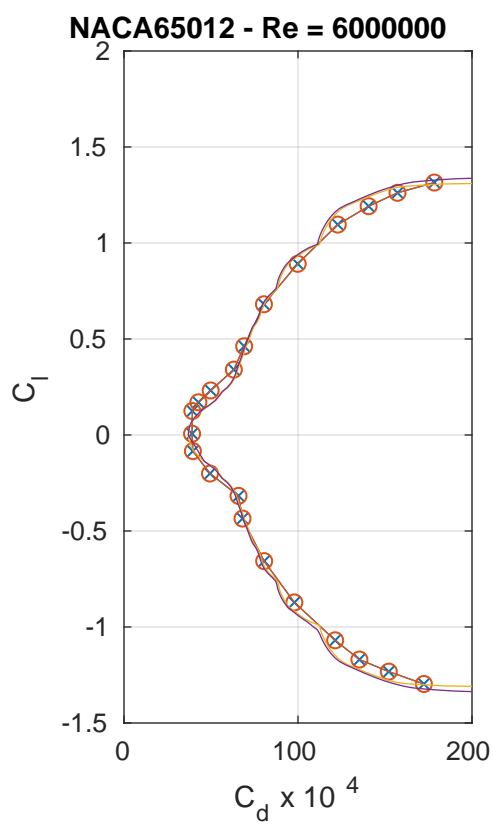


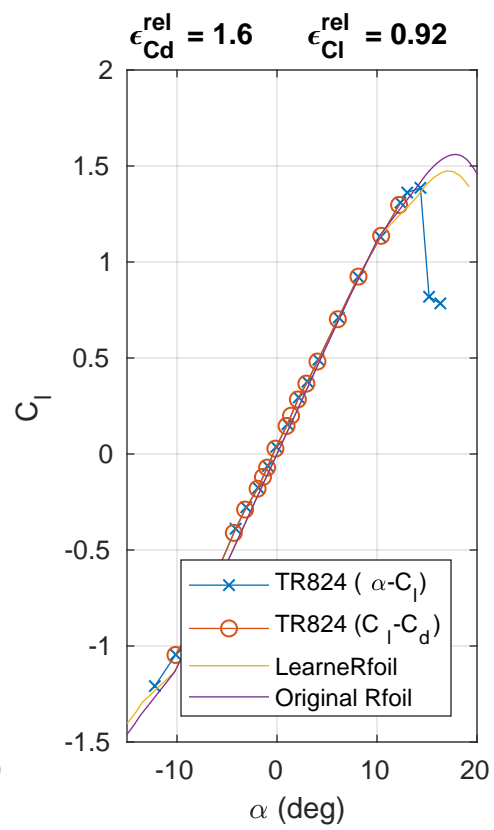
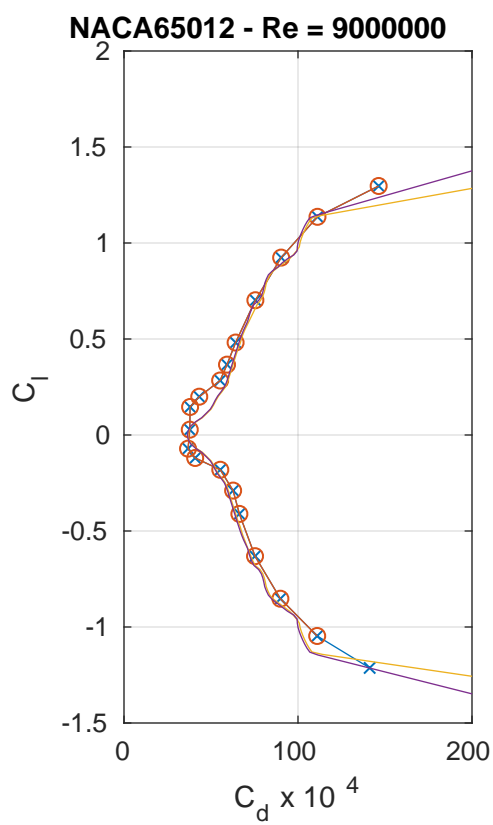
NACA65012 - Re = 3000000

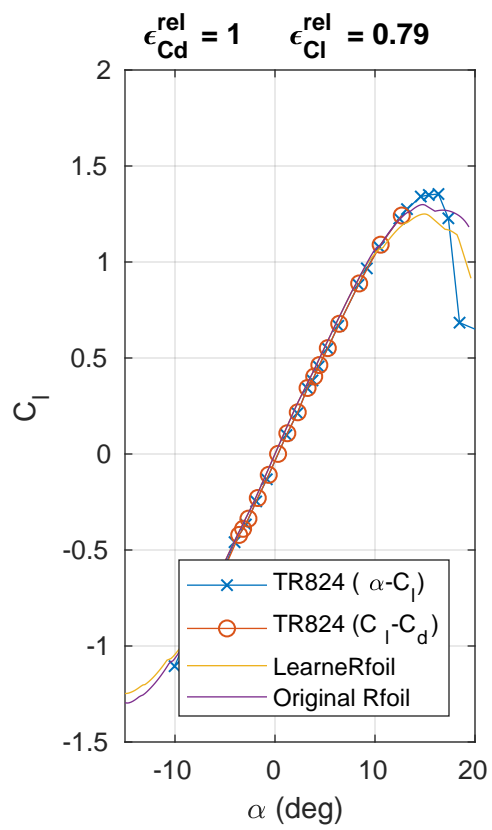
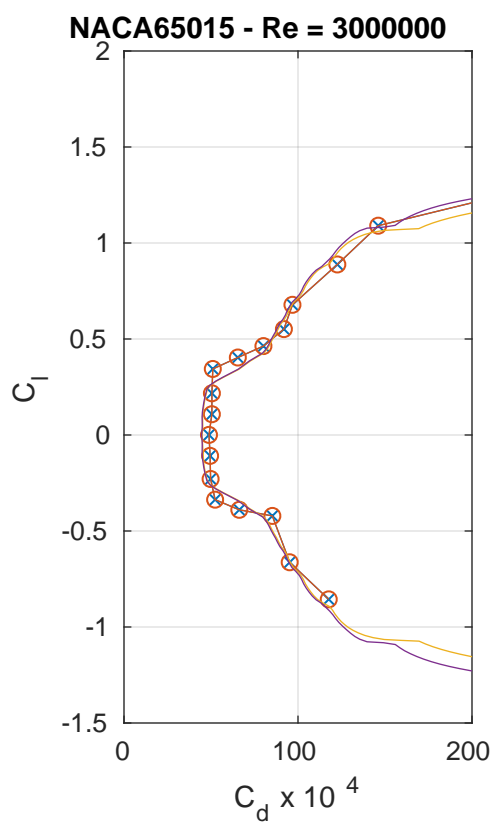


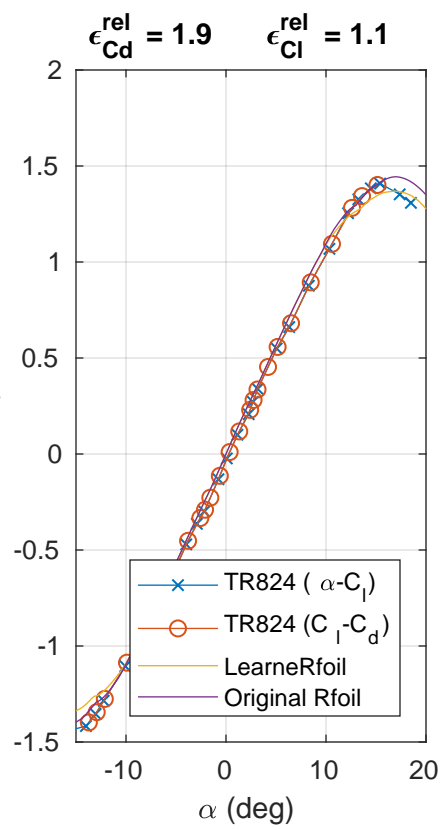
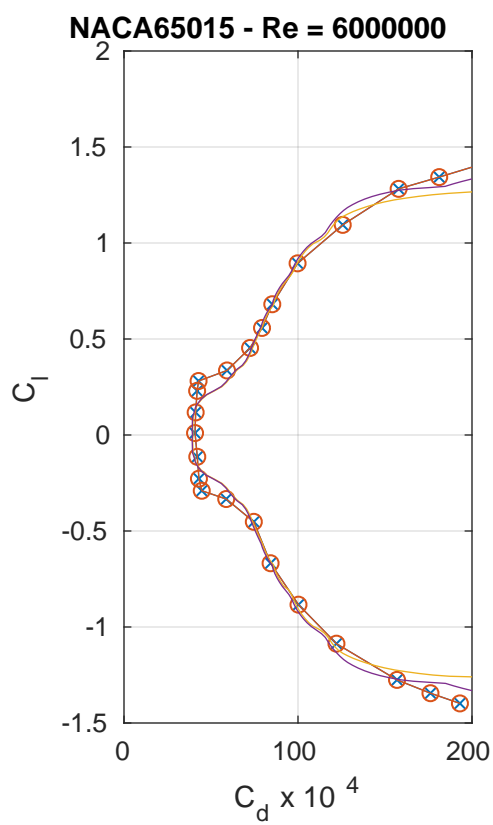
$\epsilon_{C_d}^{rel} = 1$ $\epsilon_{C_l}^{rel} = 0.93$

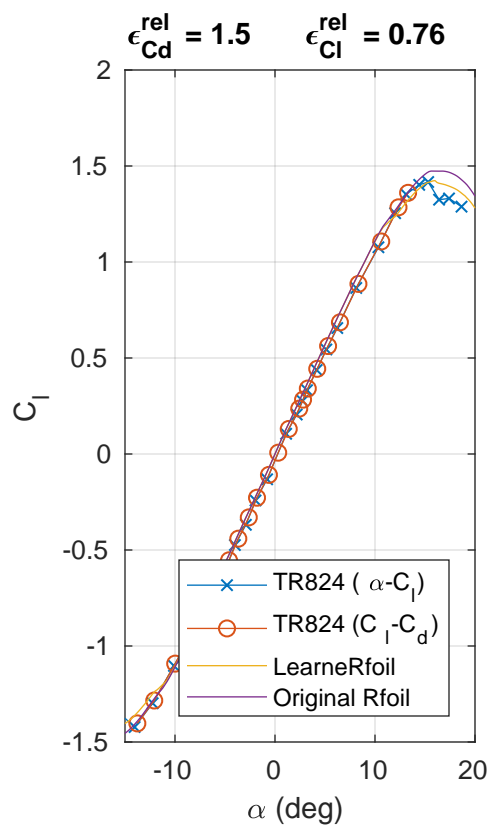
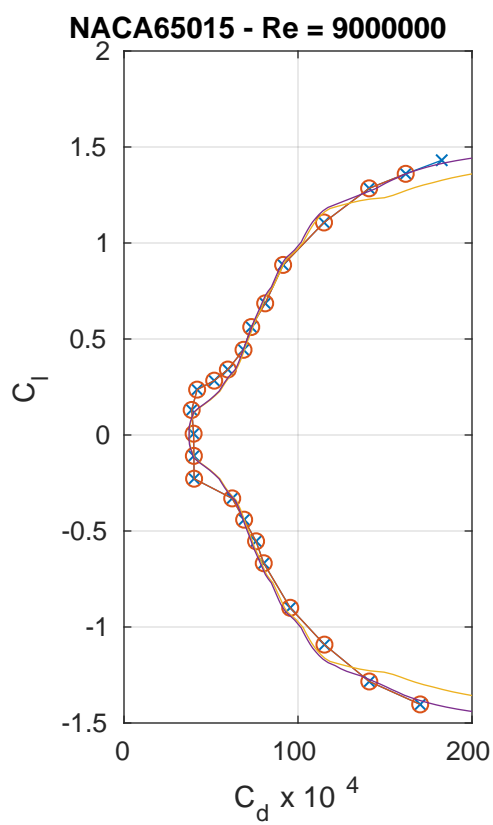


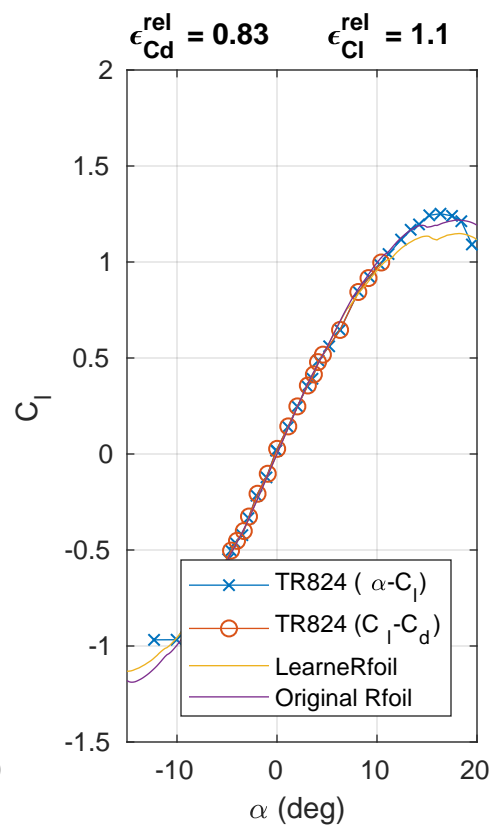
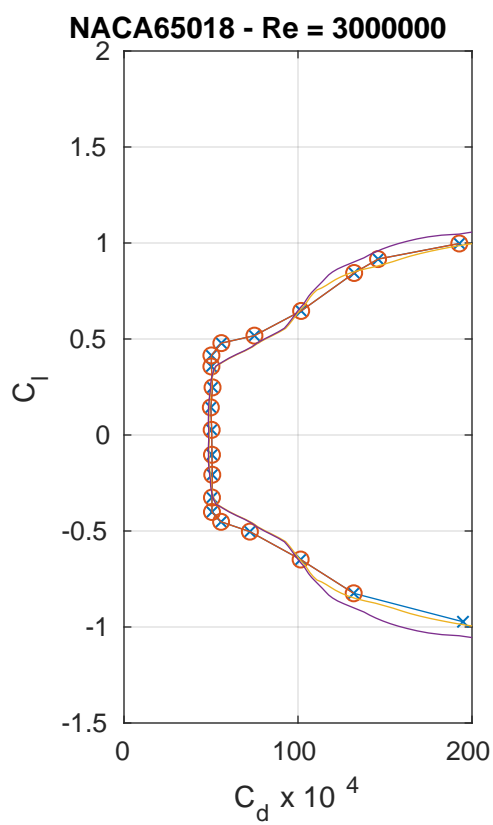


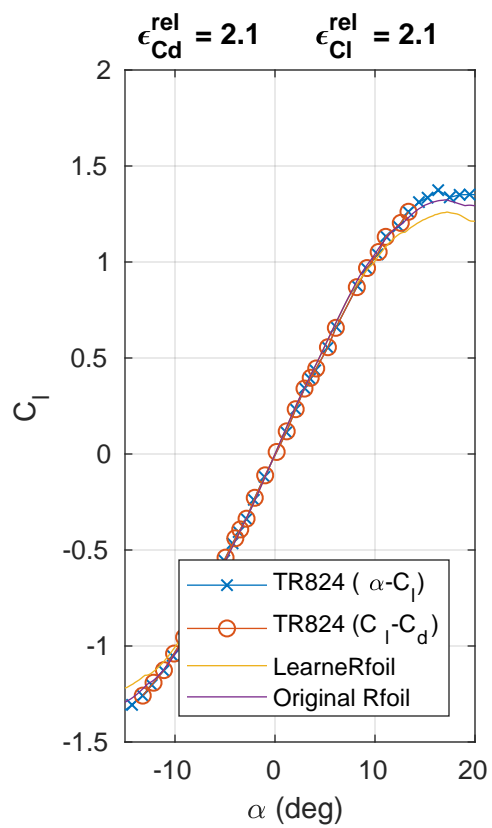
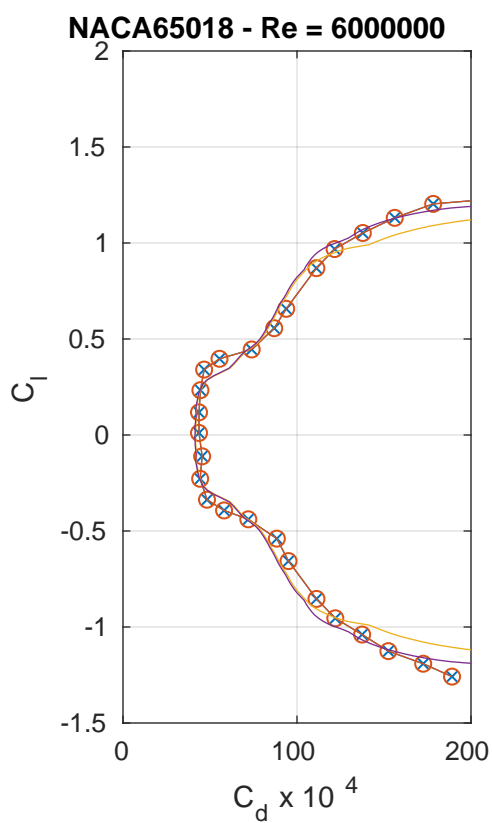




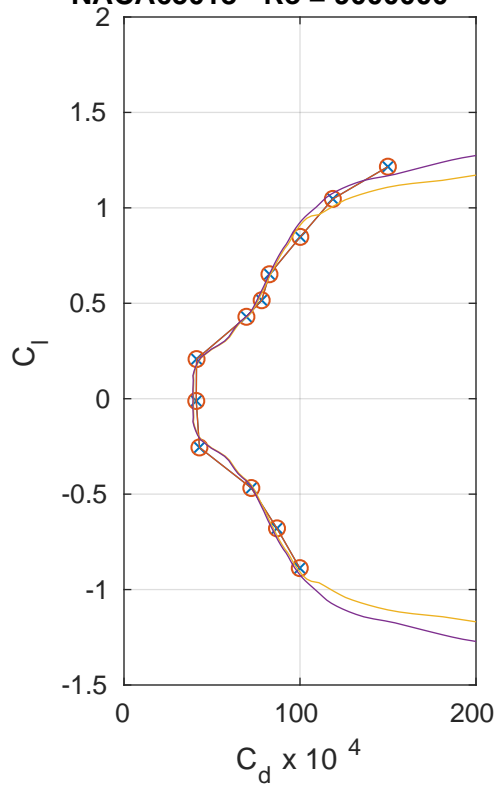




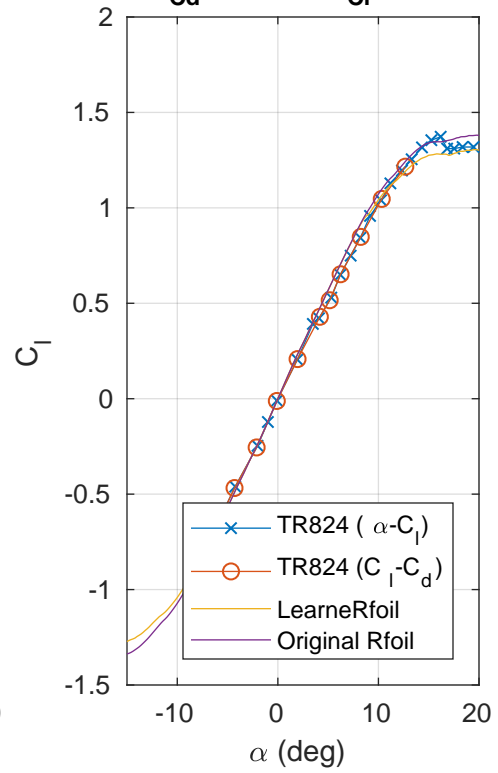


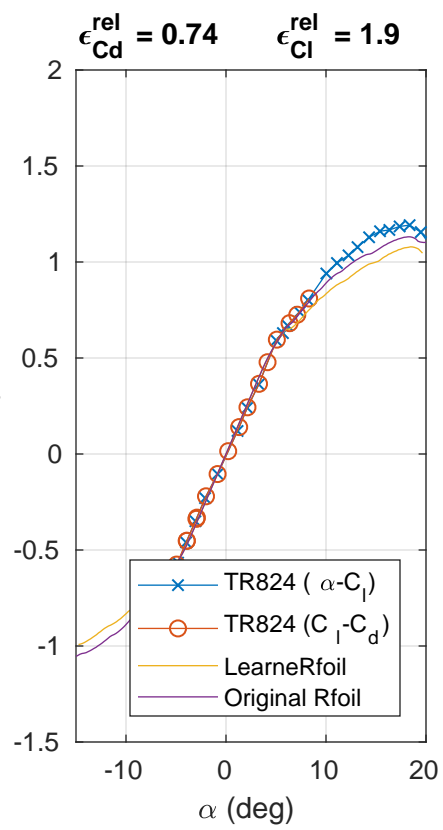
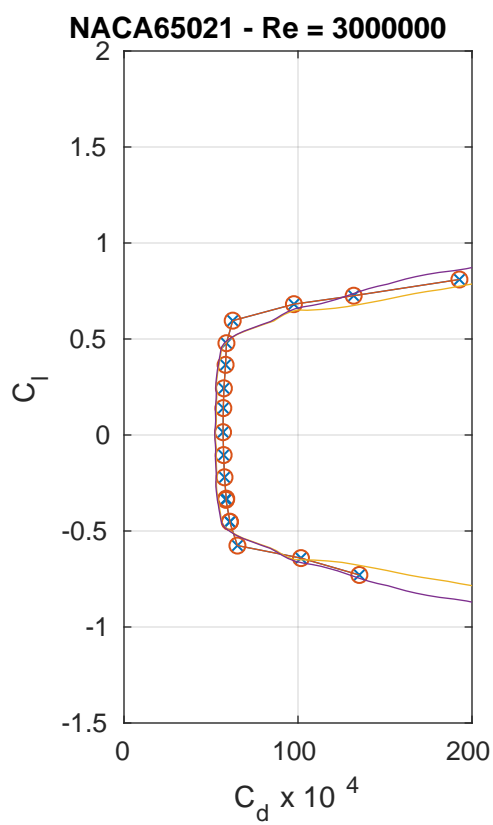


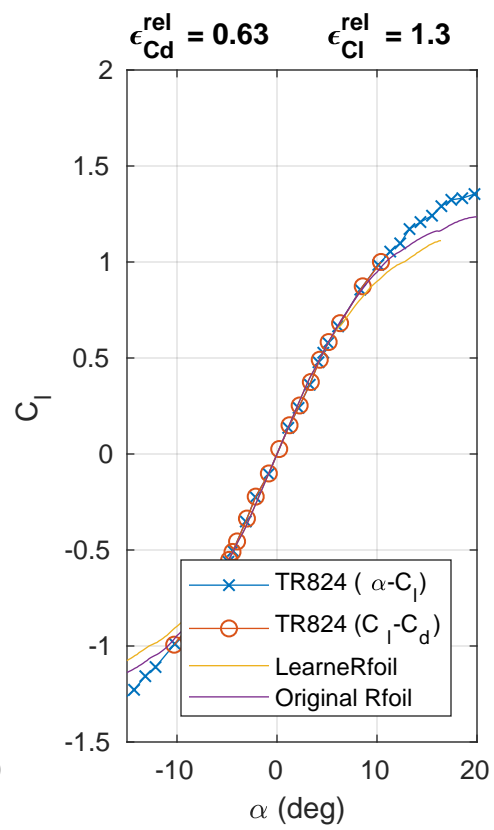
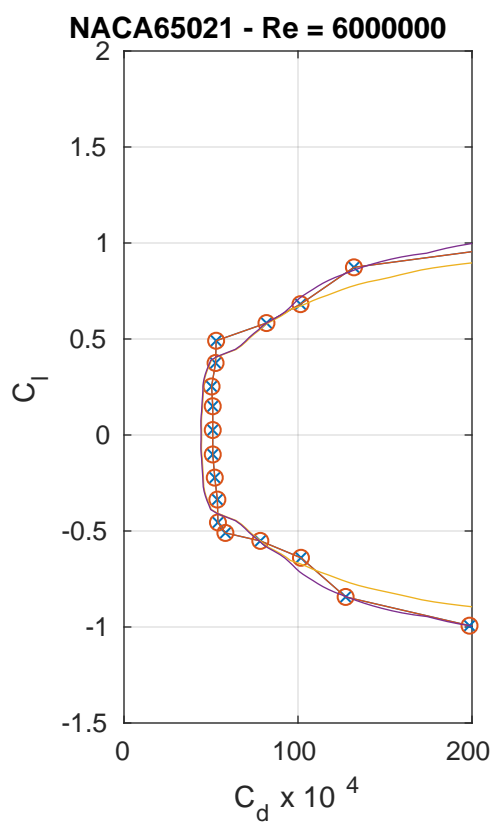
NACA65018 - Re = 9000000

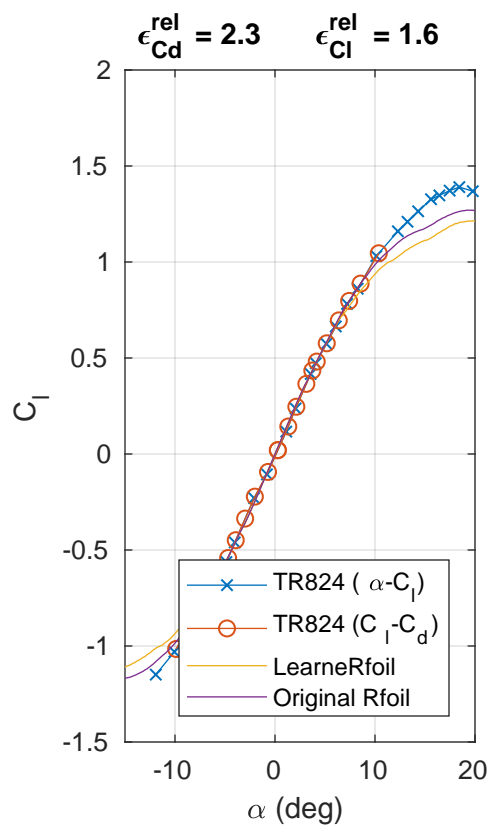
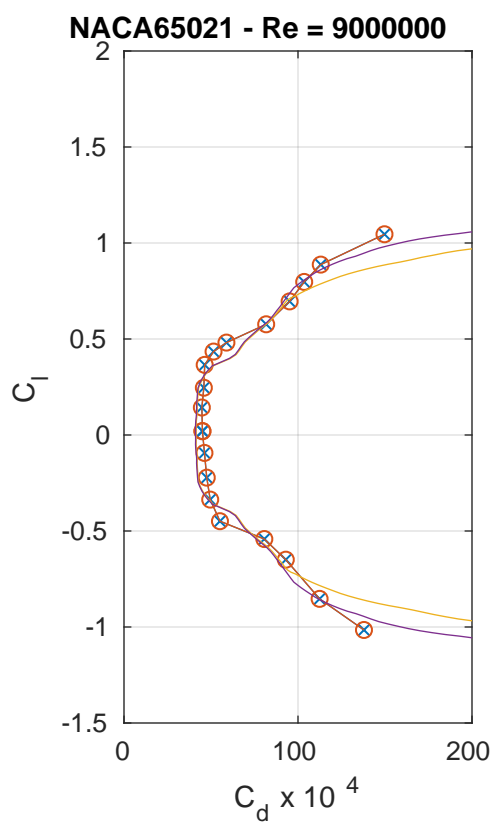


$\epsilon_{Cd}^{rel} = 1.9$ $\epsilon_{Cl}^{rel} = 1$

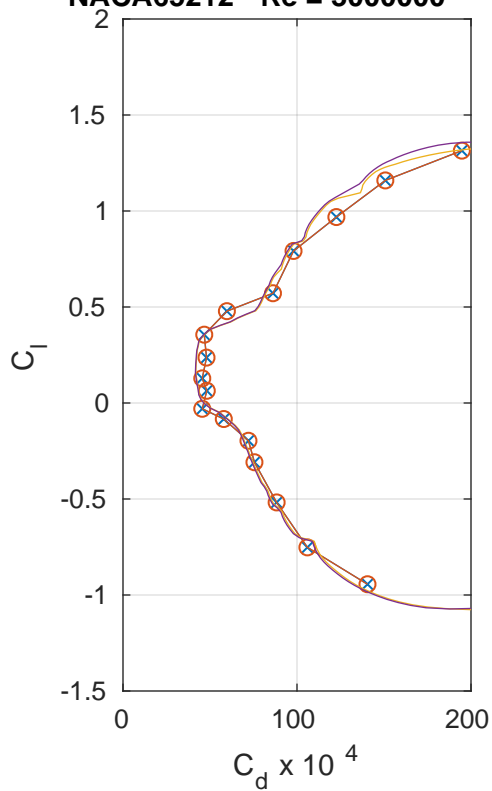




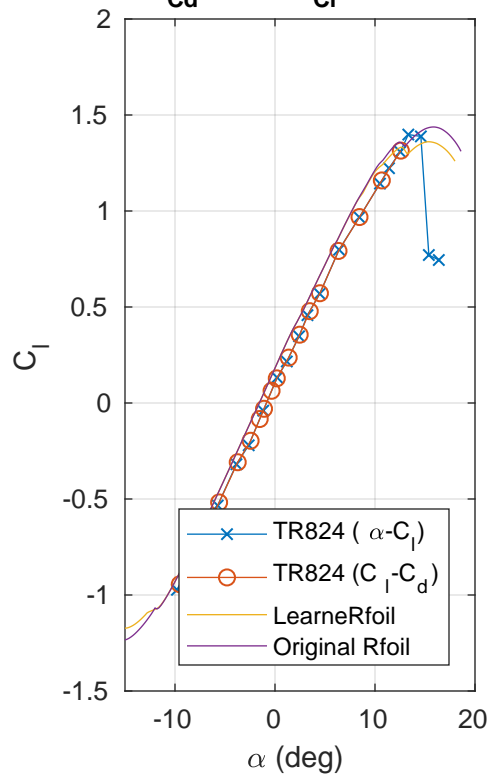




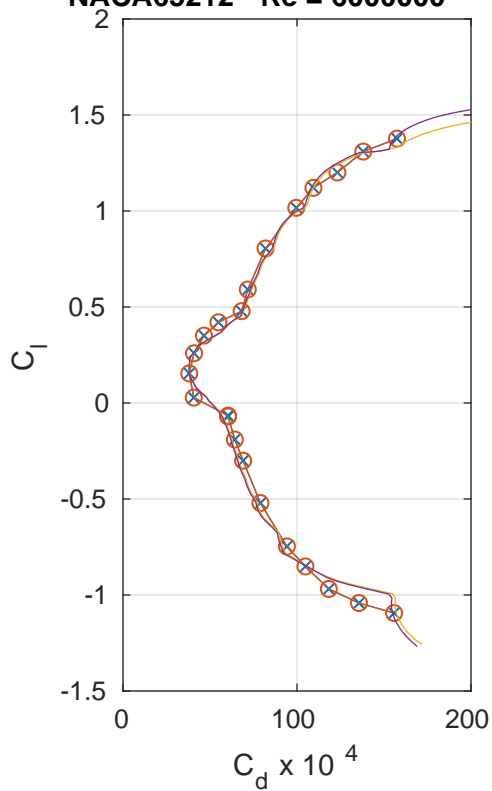
NACA65212 - Re = 3000000



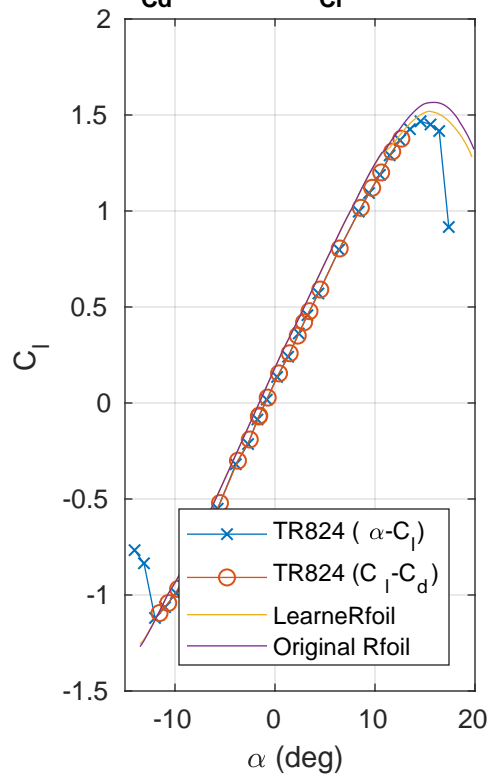
$\epsilon_{C_d}^{rel} = 1$ $\epsilon_{C_l}^{rel} = 0.9$



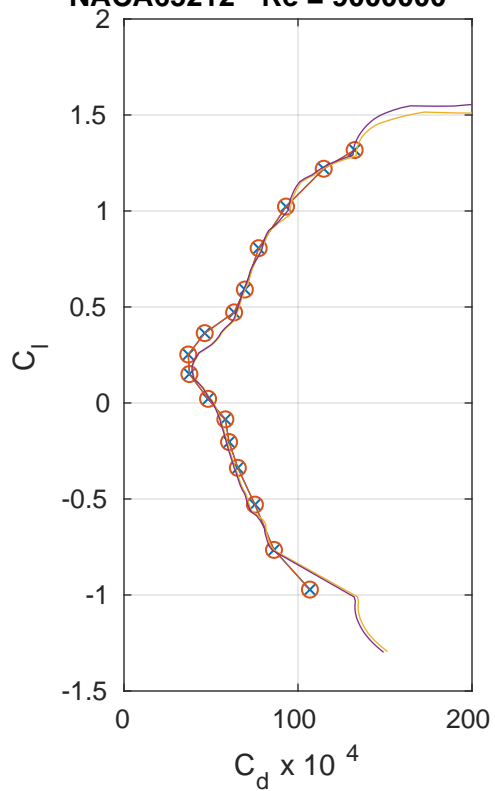
NACA65212 - Re = 6000000



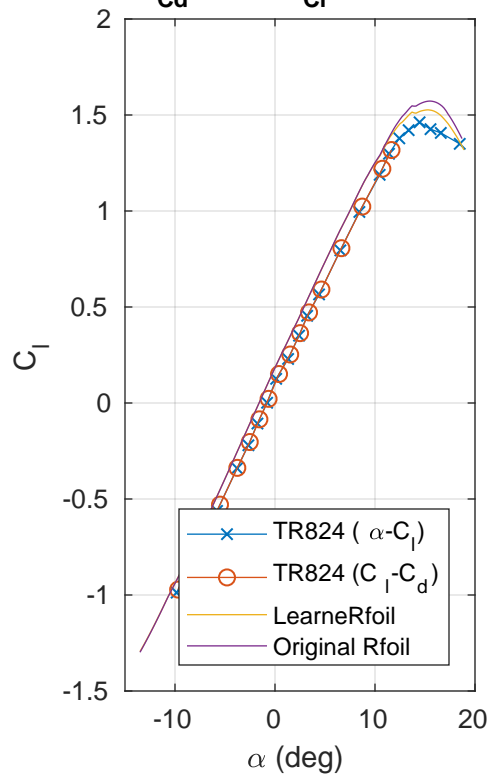
$\epsilon_{C_d}^{rel} = 1.1$ $\epsilon_{C_l}^{rel} = 0.91$

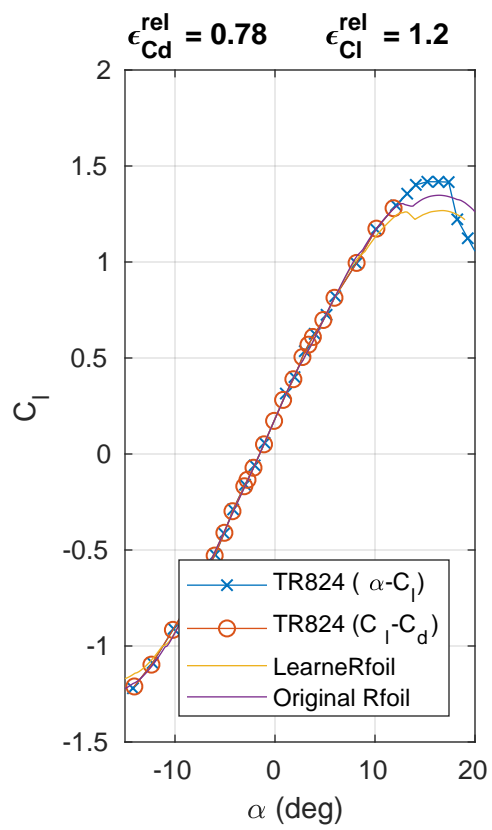
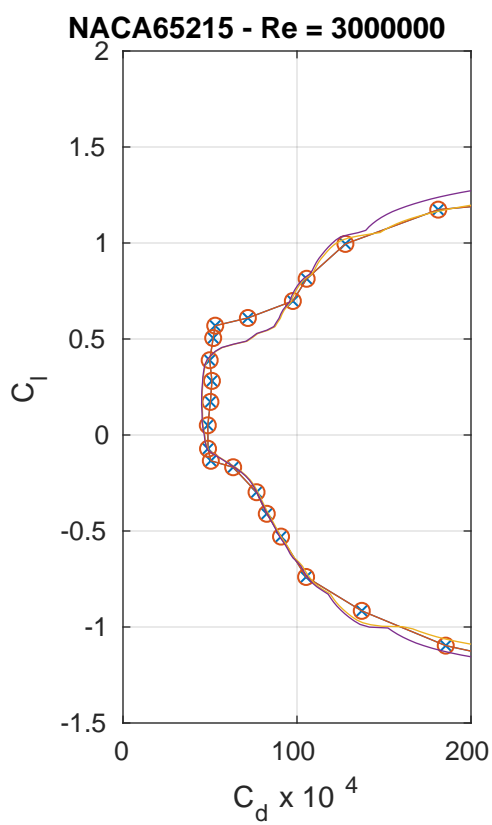


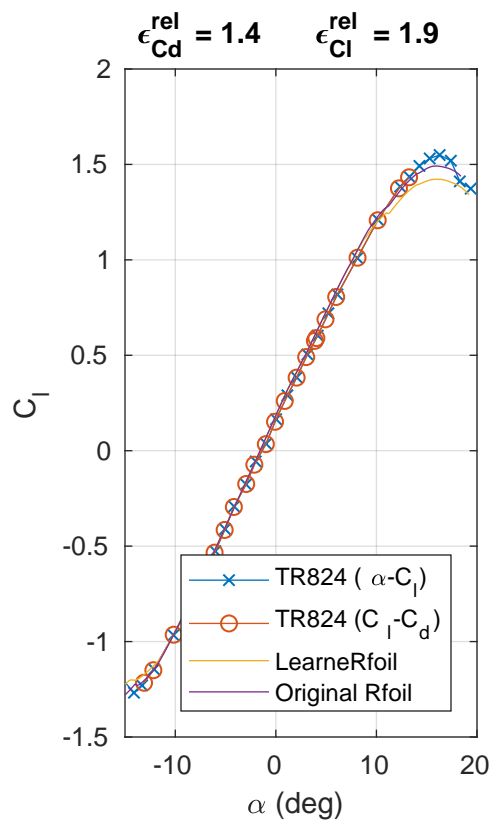
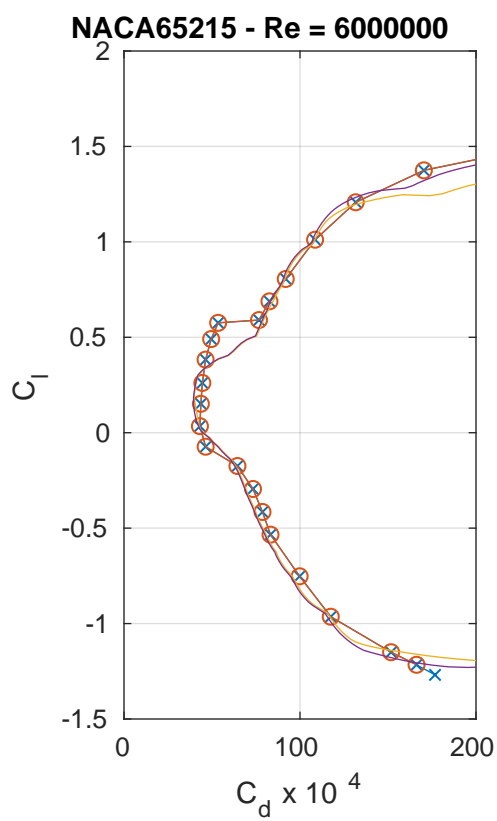
NACA65212 - Re = 9000000

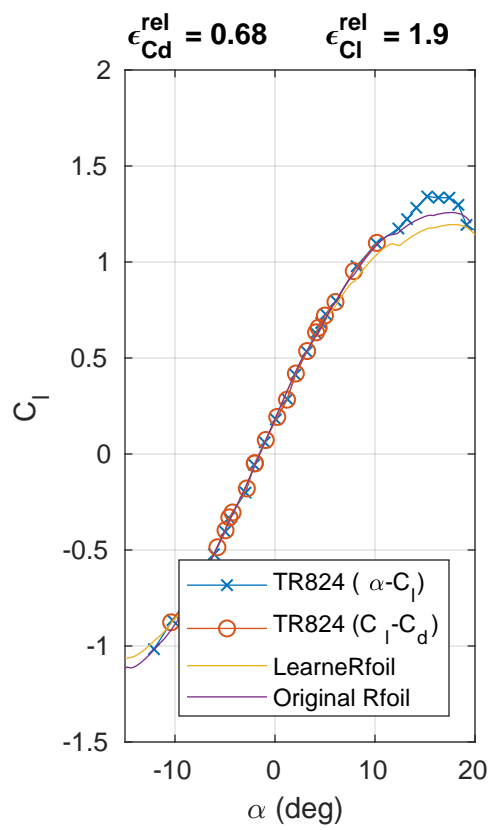
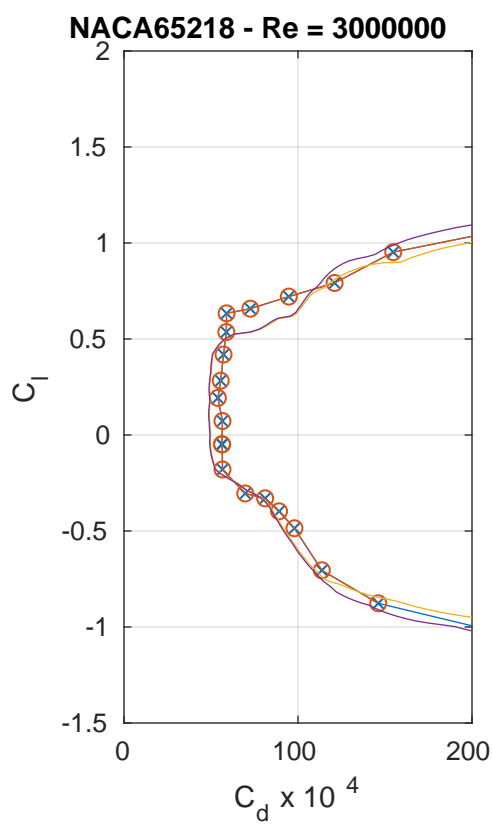


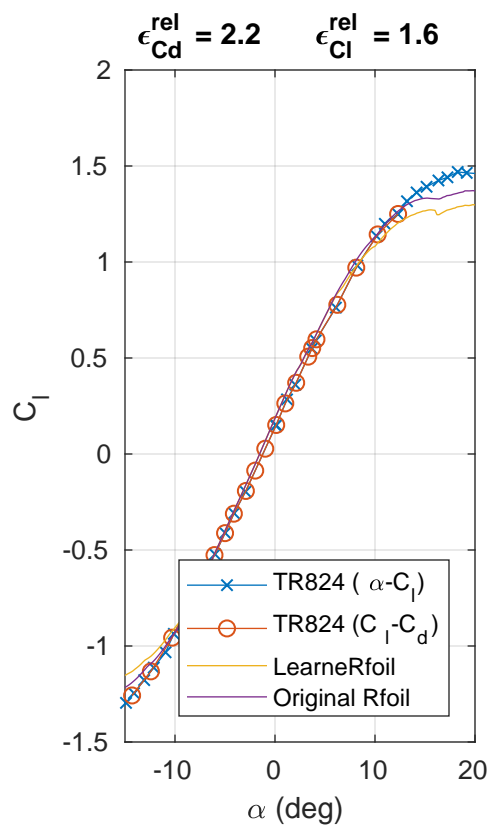
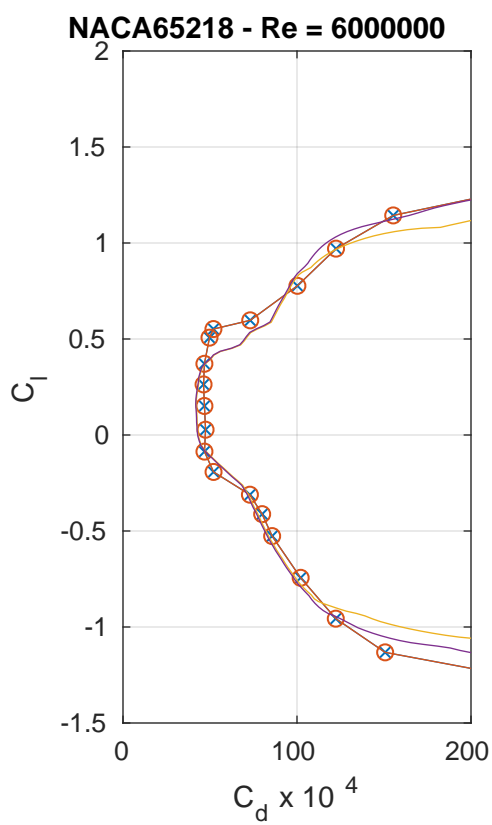
$\epsilon_{C_d}^{rel} = 1$ $\epsilon_{C_l}^{rel} = 0.89$

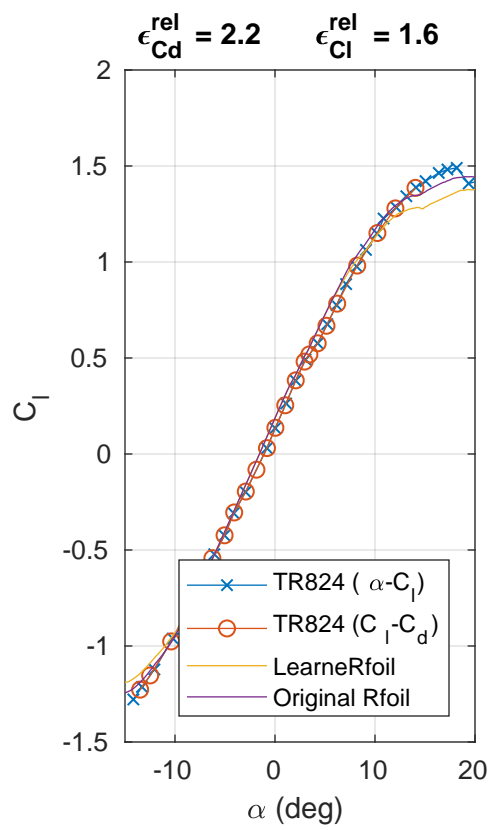
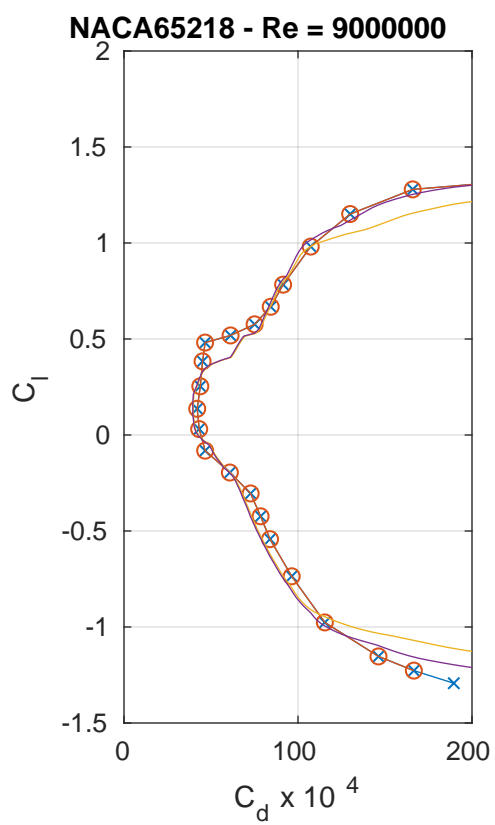


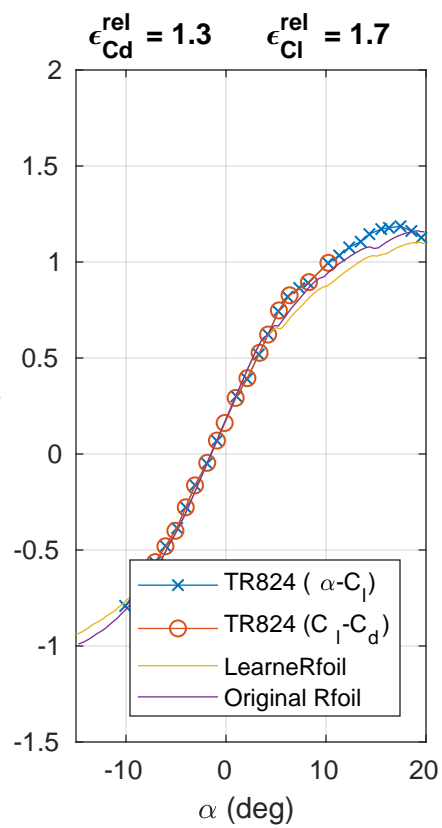
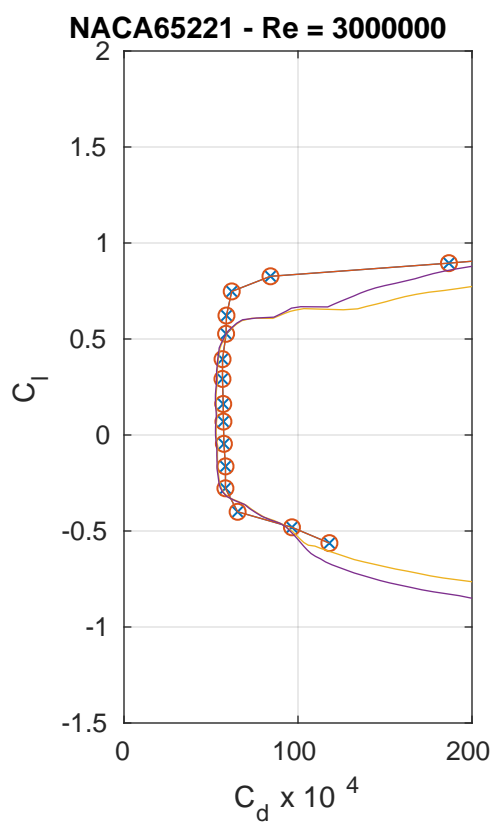


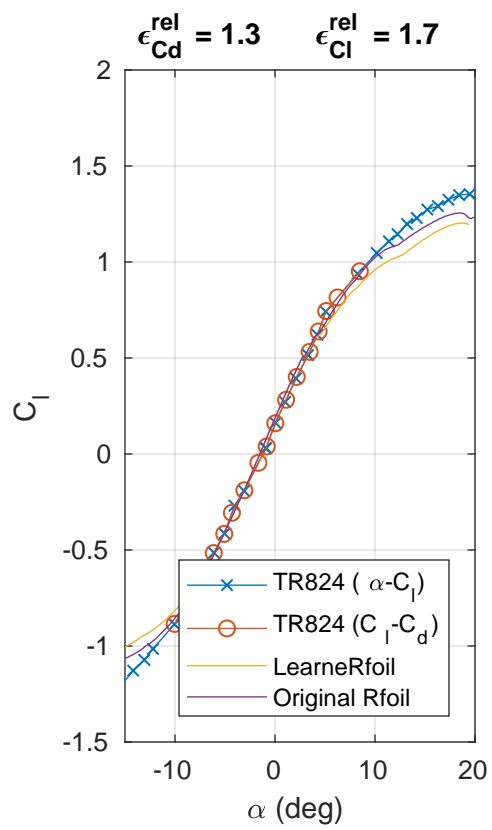
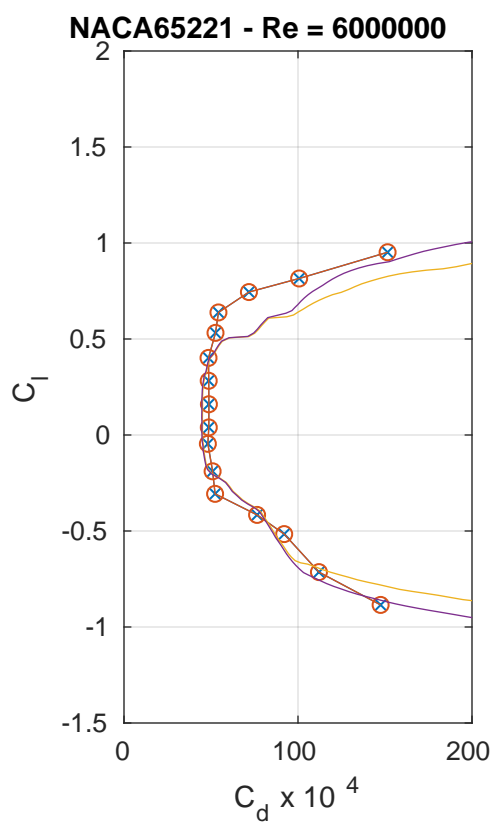


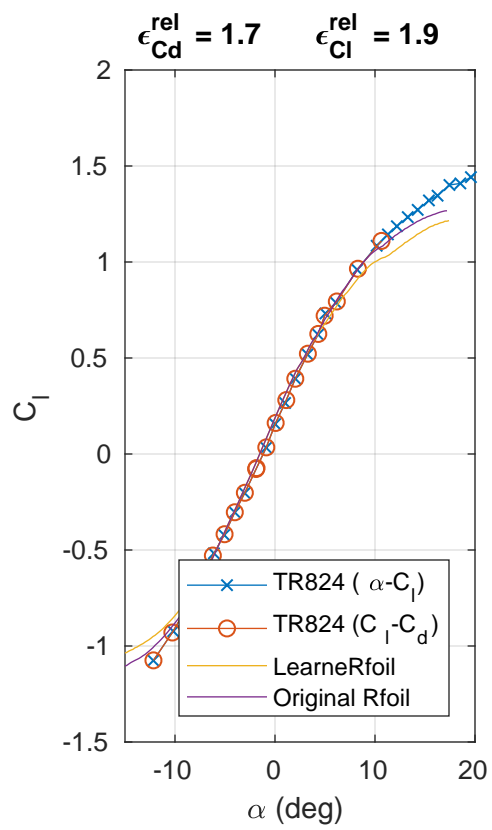
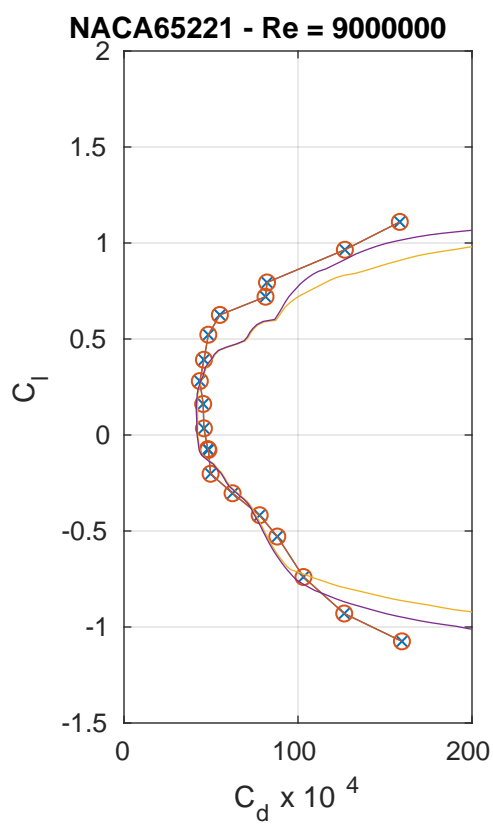


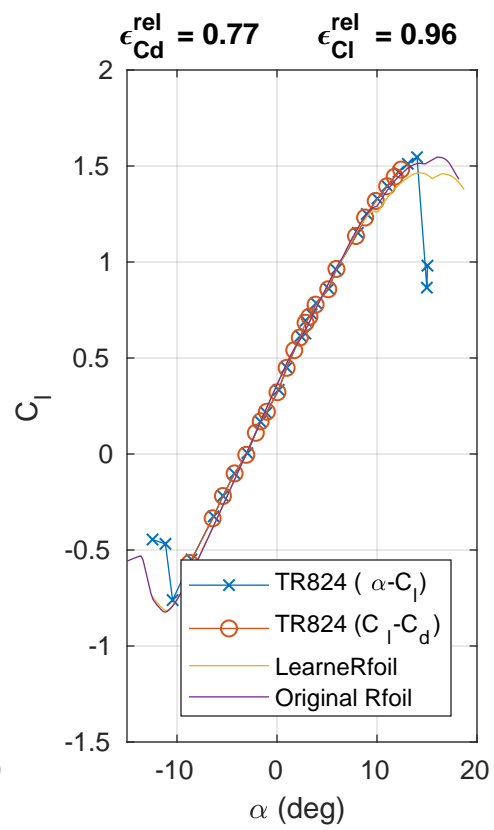
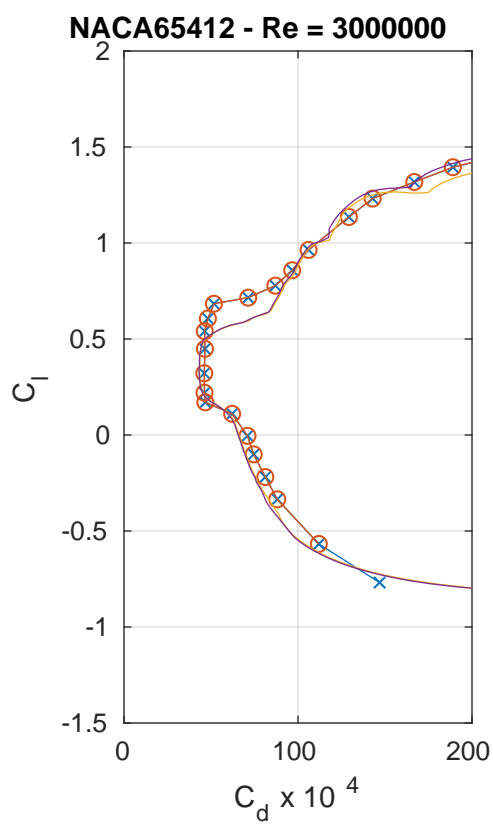


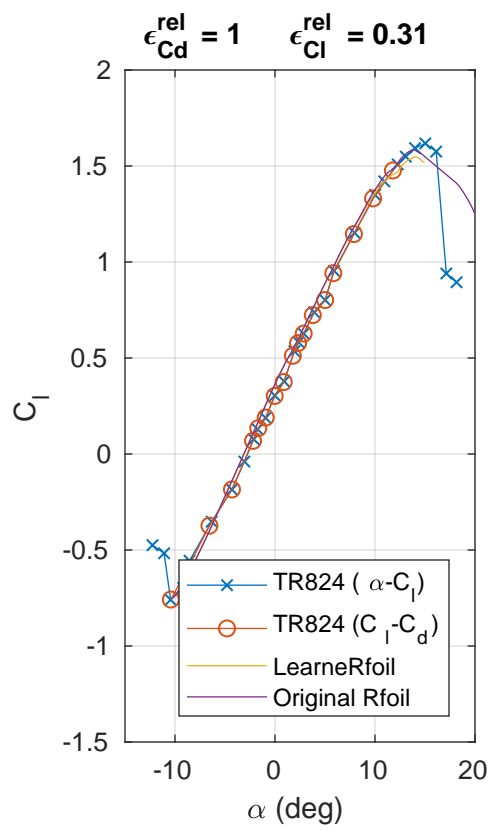
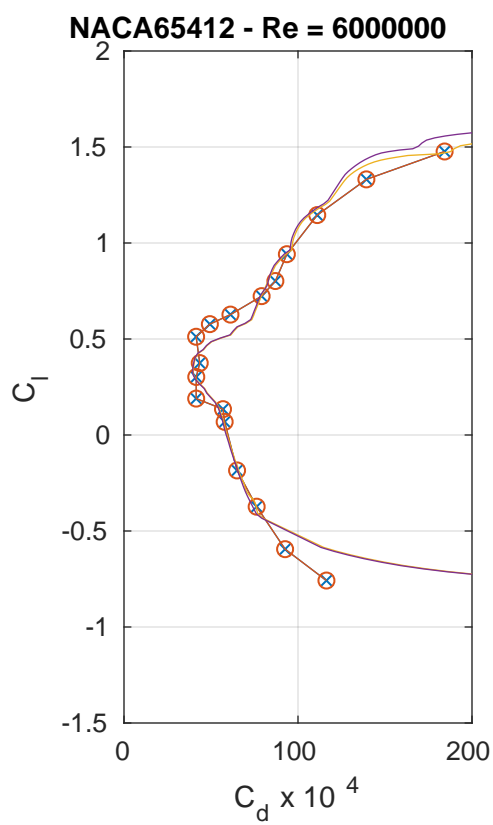


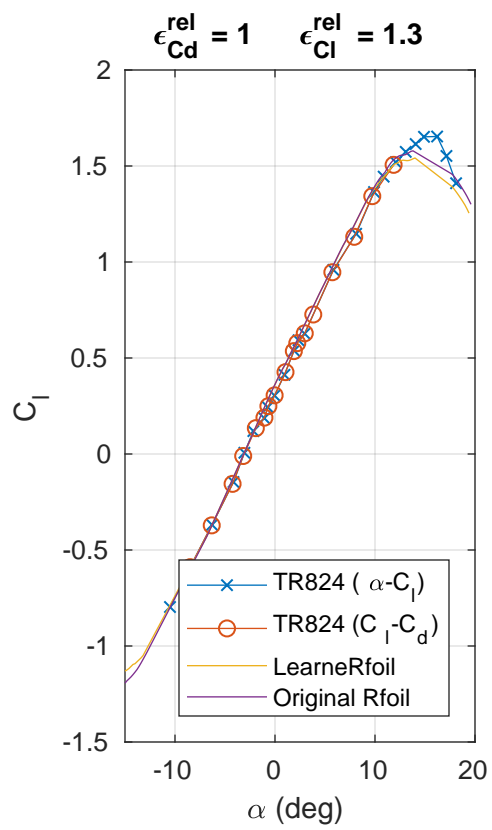
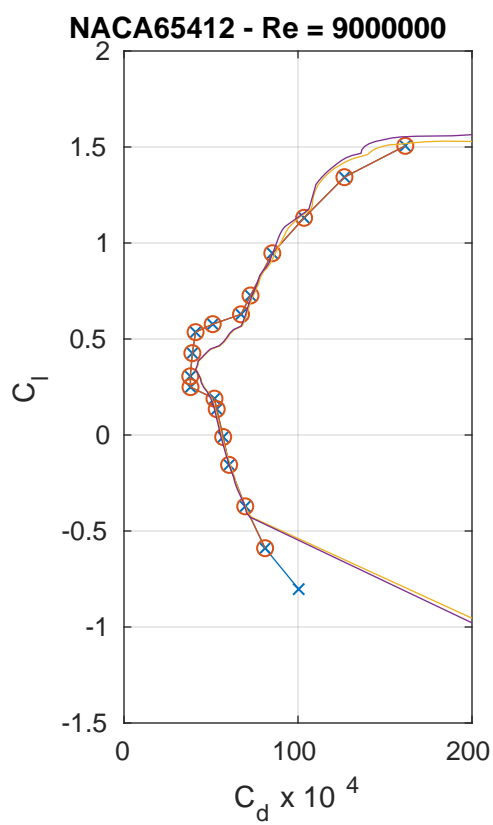




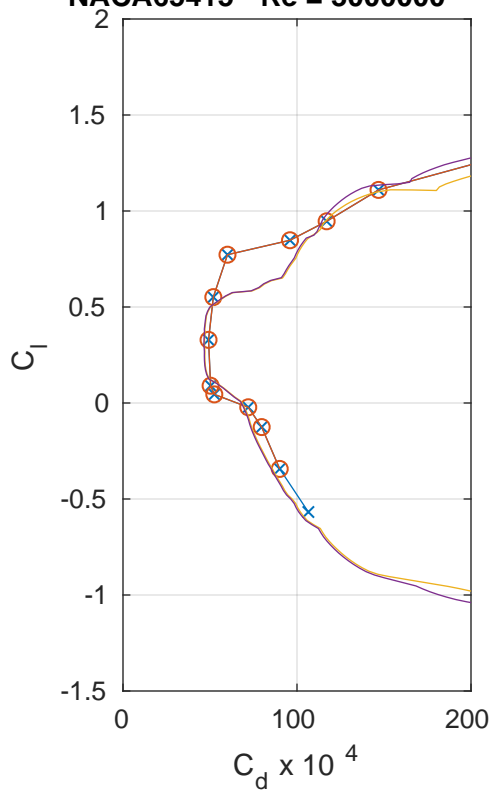




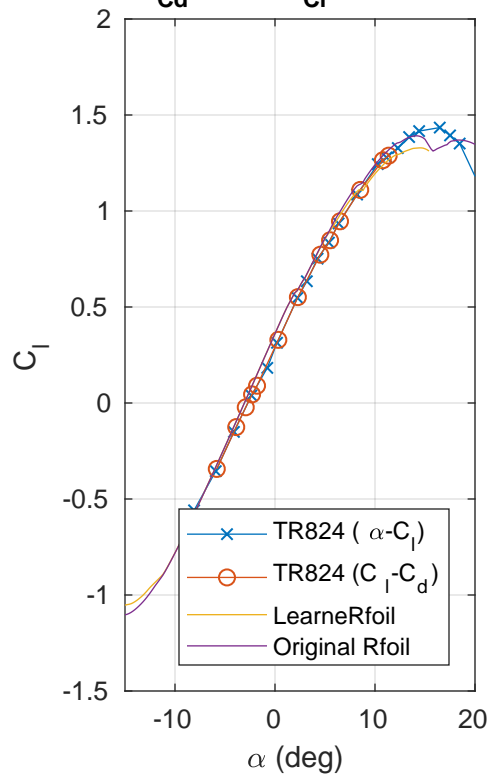


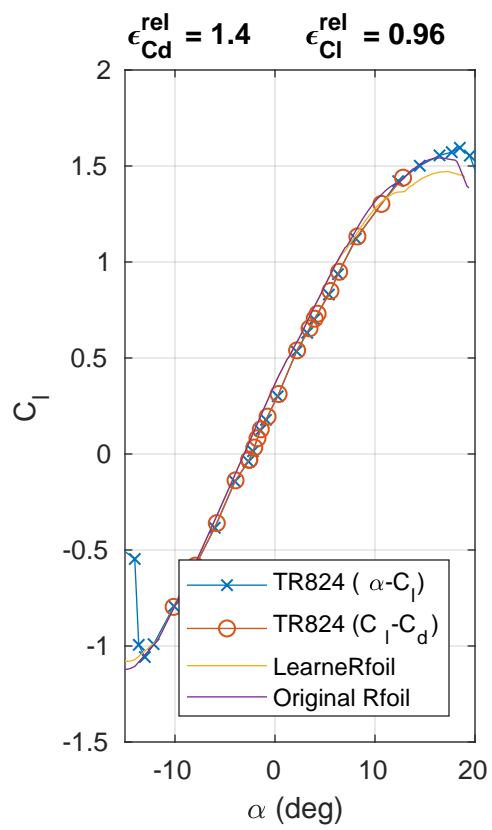
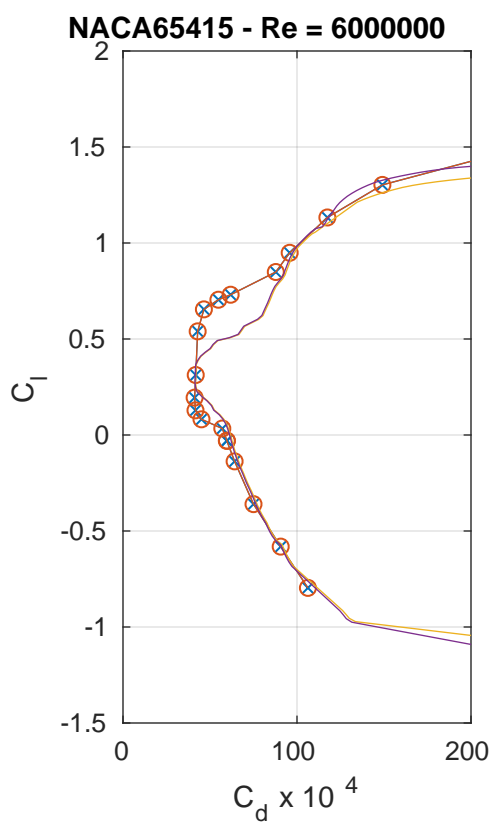


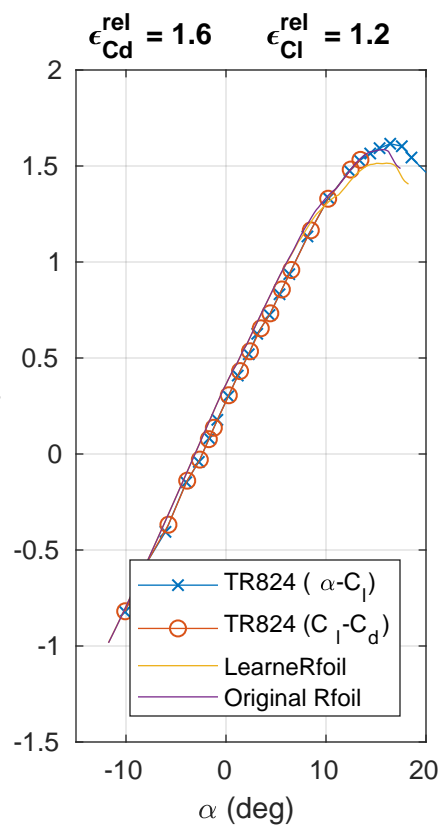
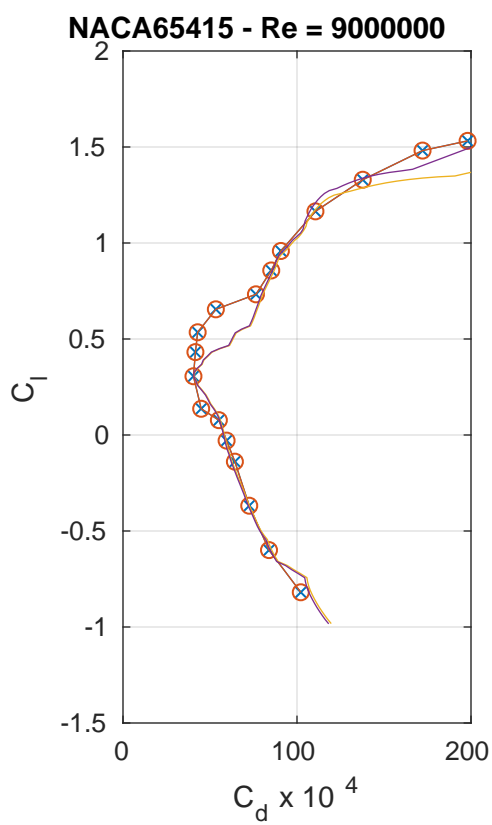
NACA65415 - Re = 3000000

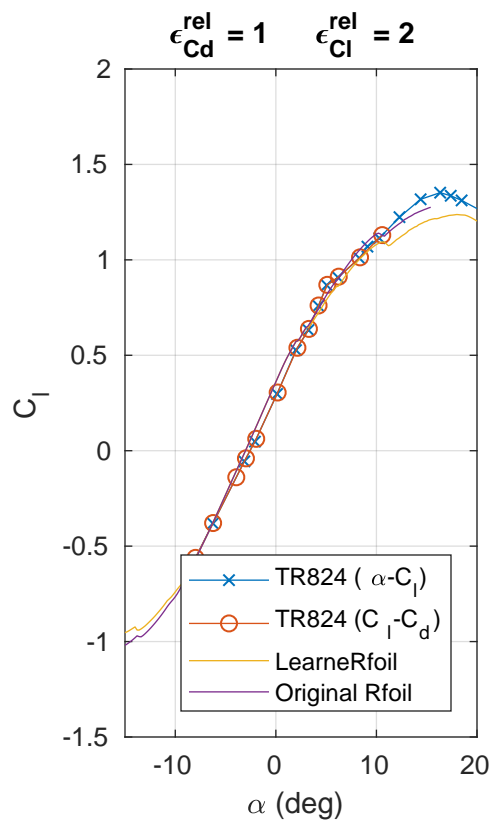
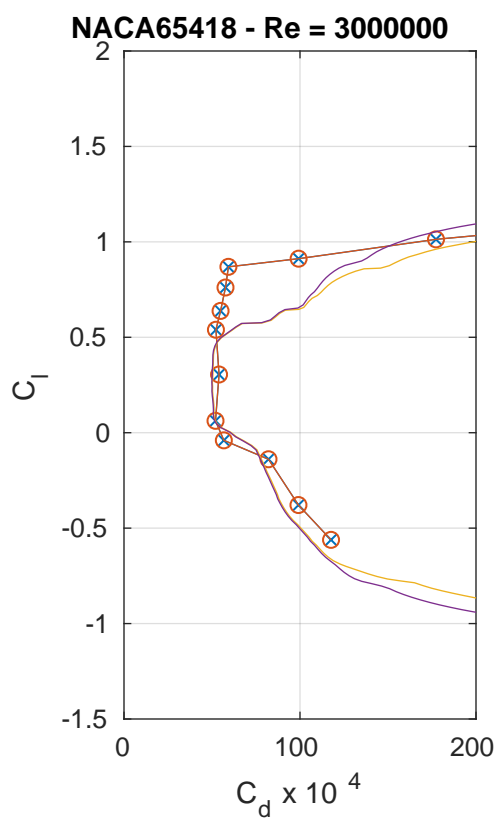


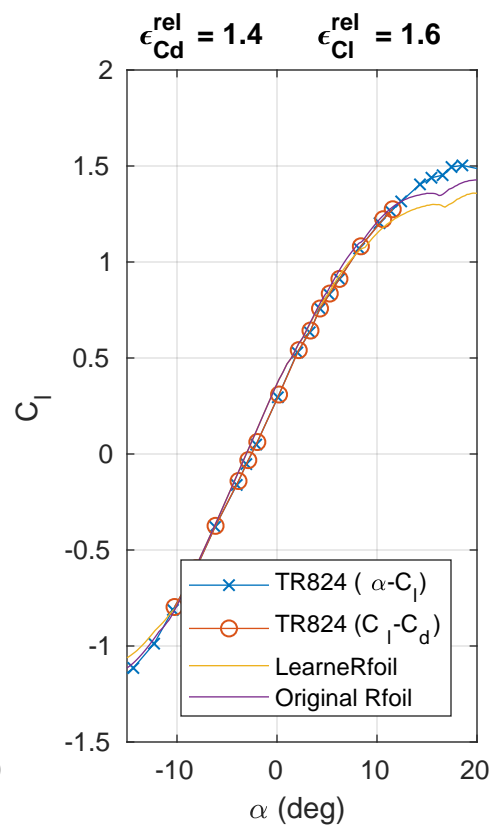
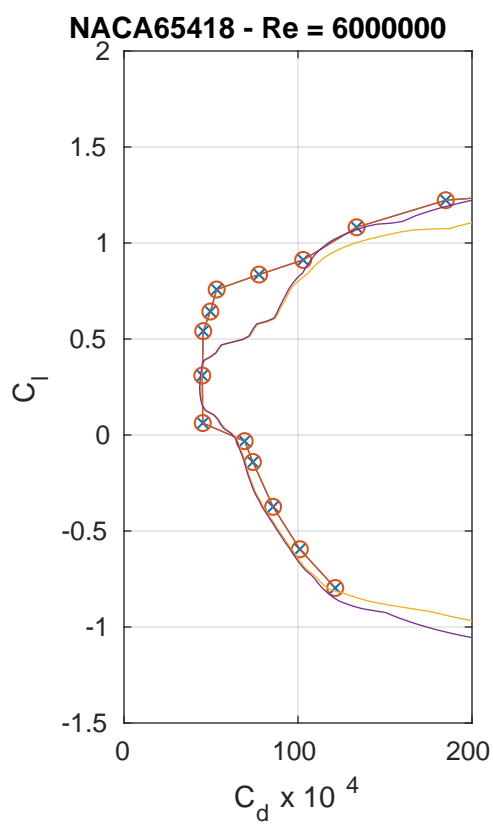
$\epsilon_{C_d}^{rel} = 1$ $\epsilon_{C_l}^{rel} = 0.75$

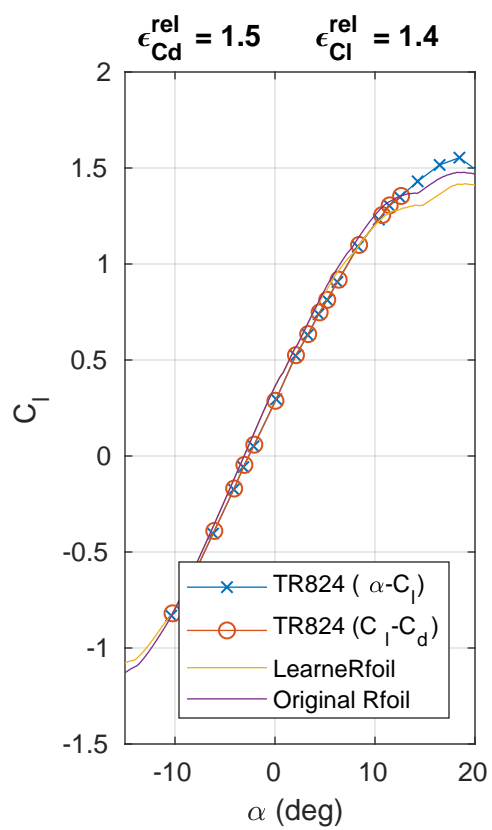
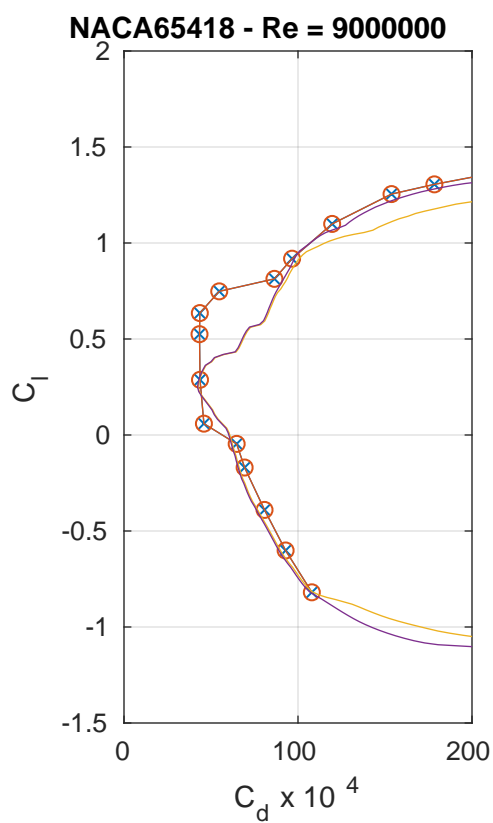


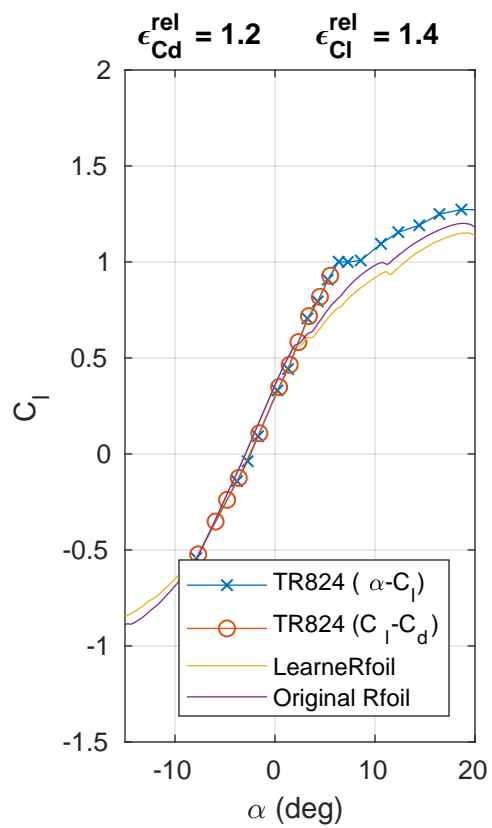
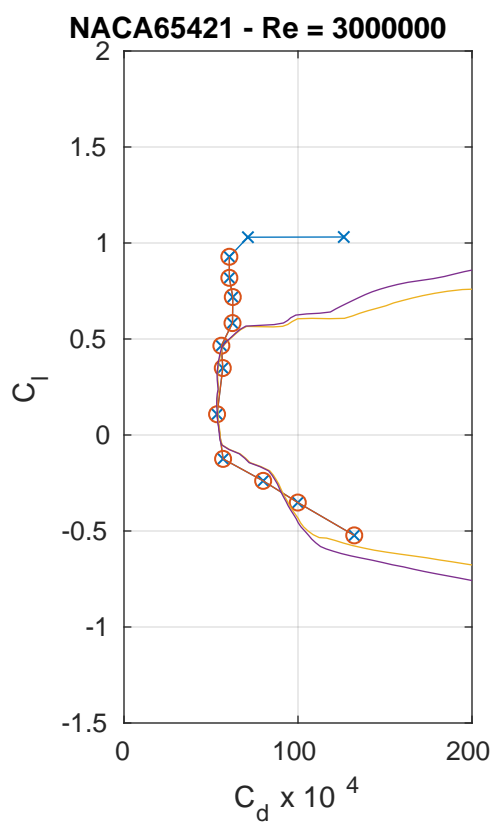


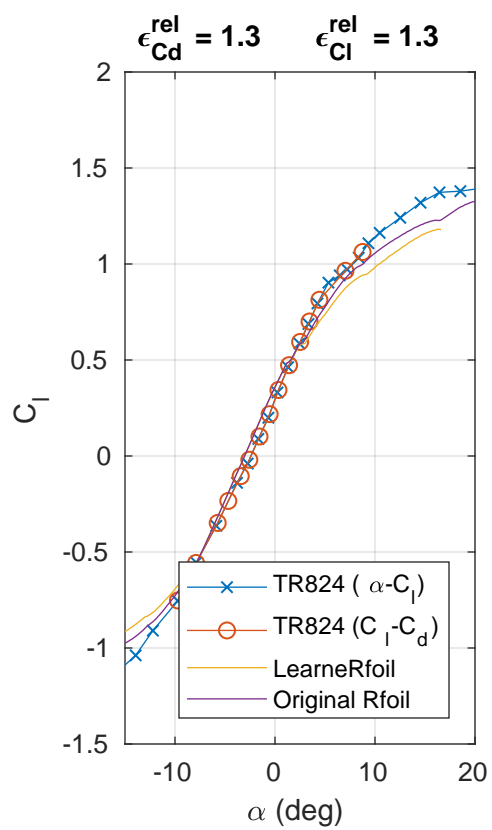
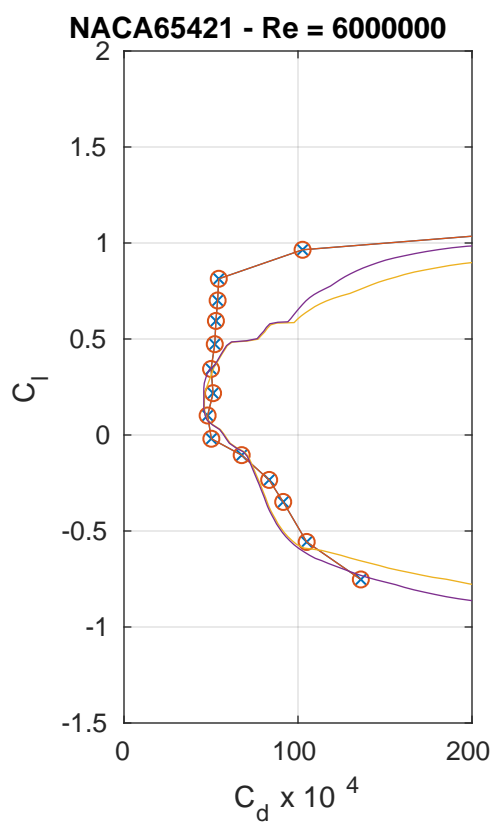


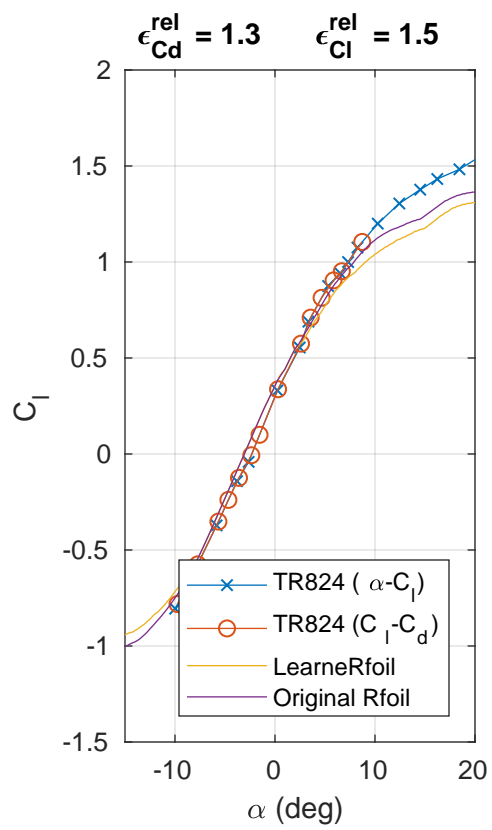
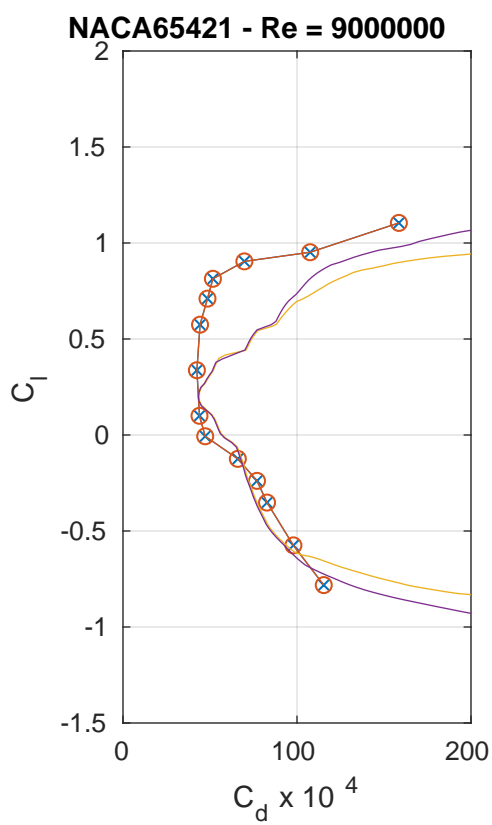


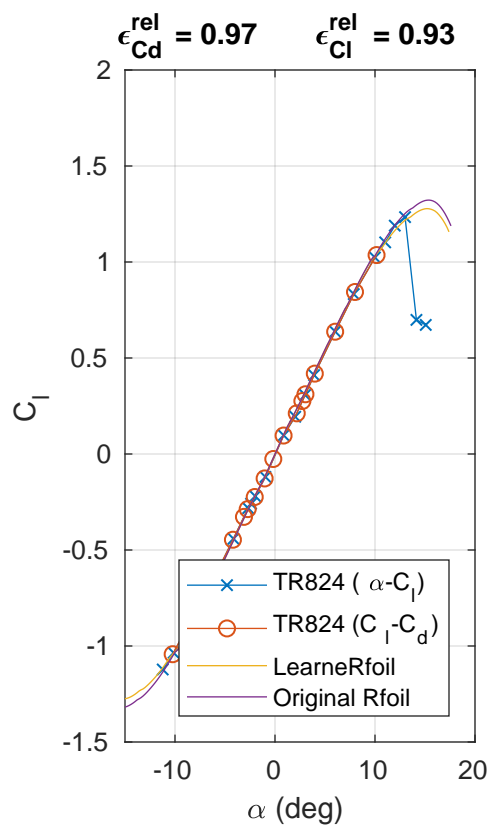
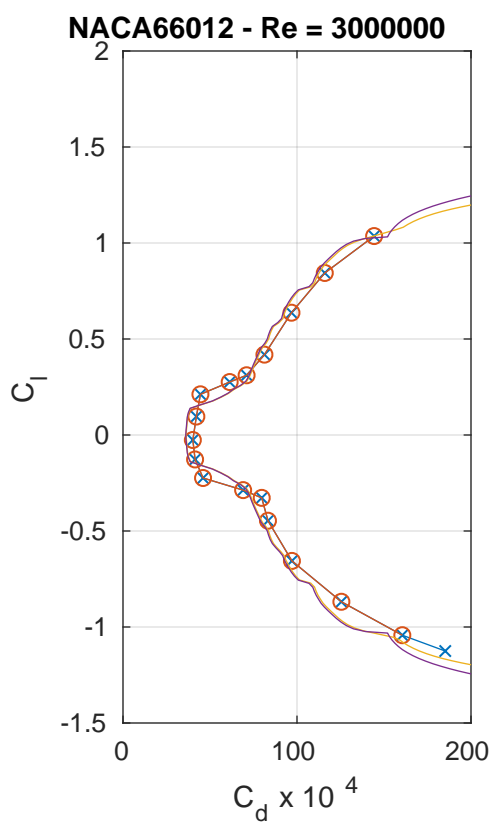


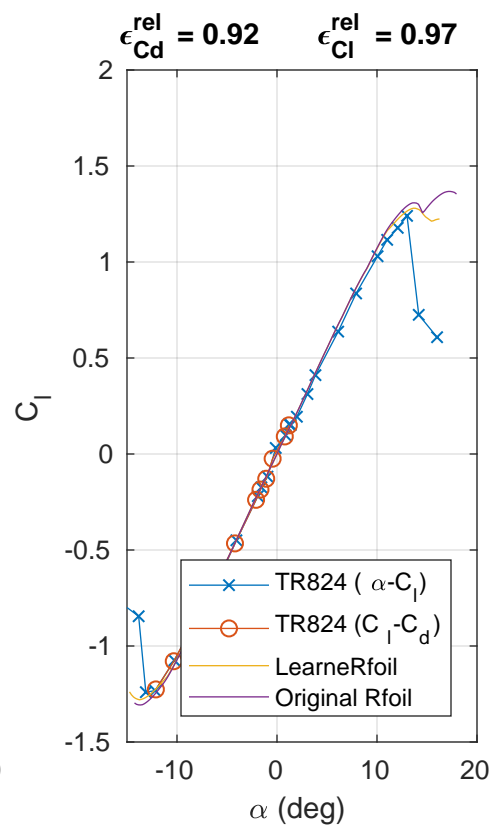
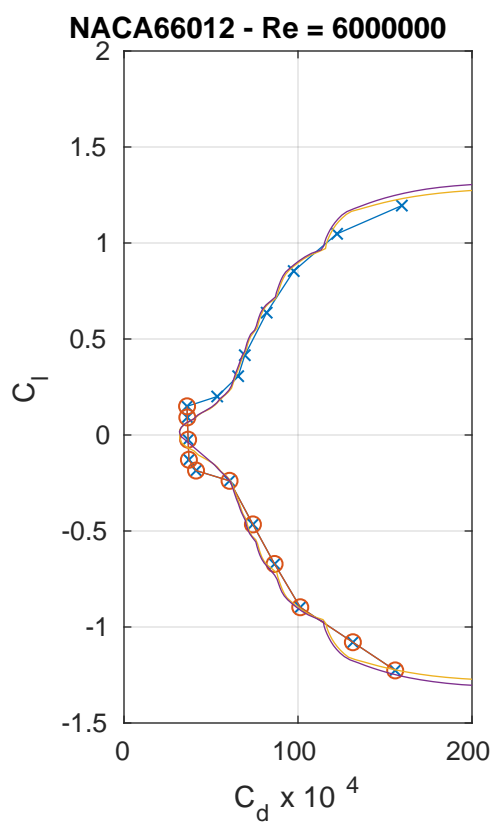


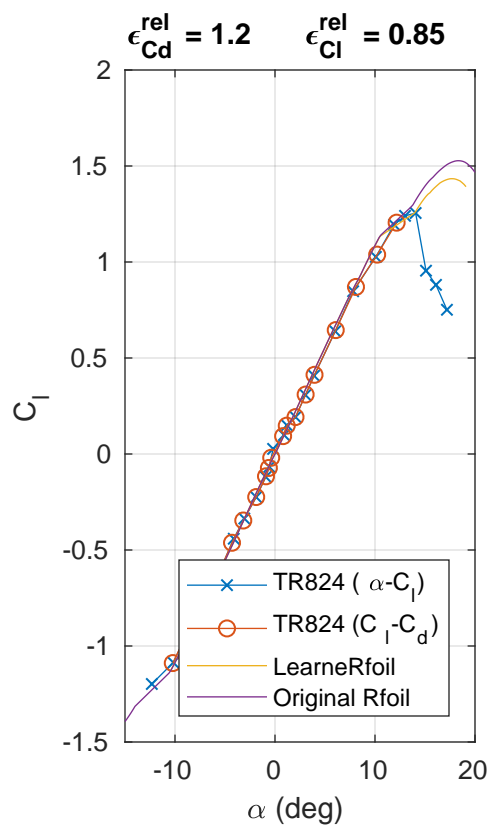
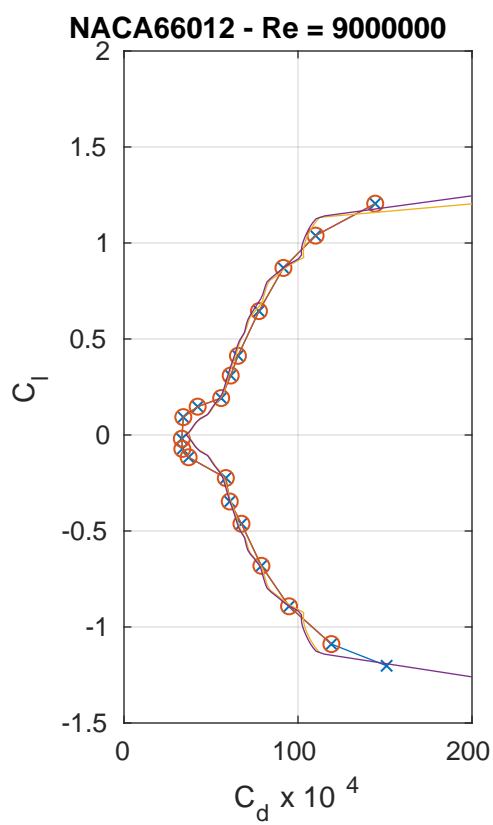


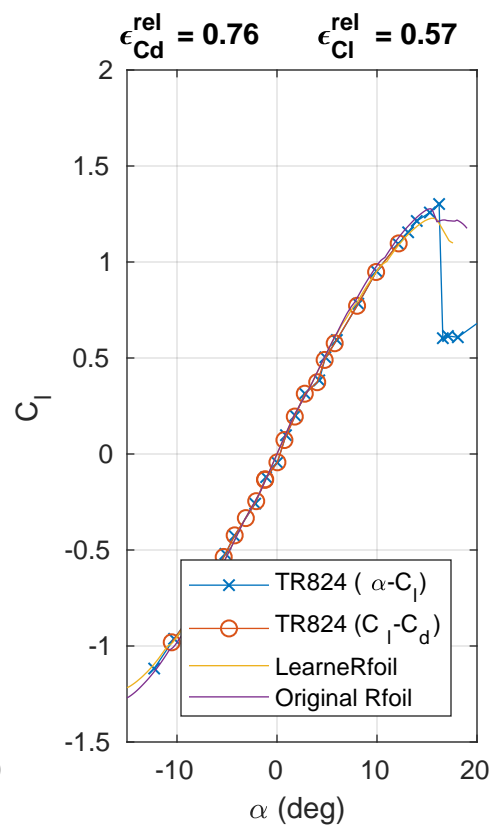
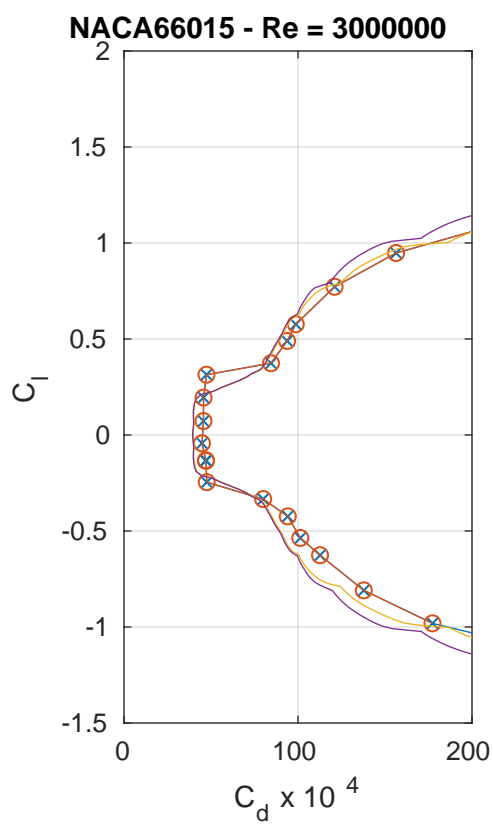


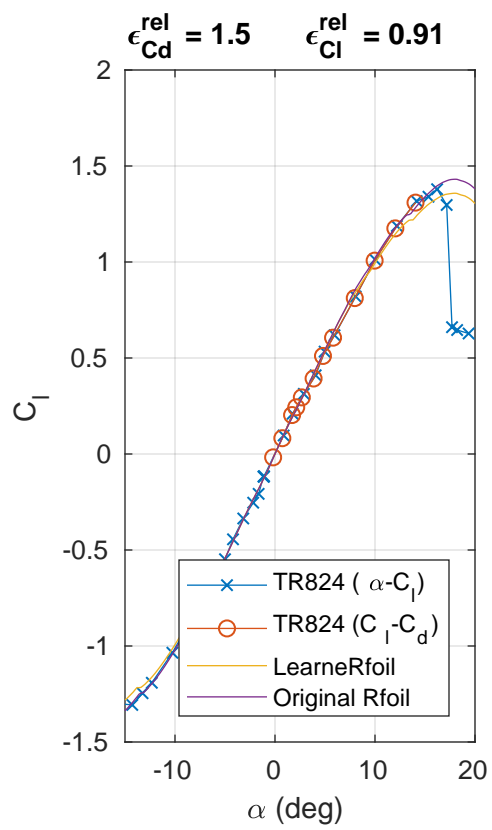
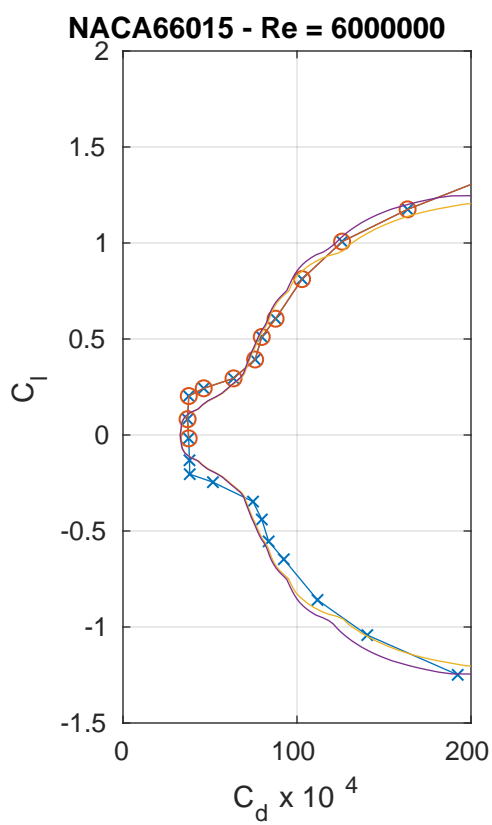


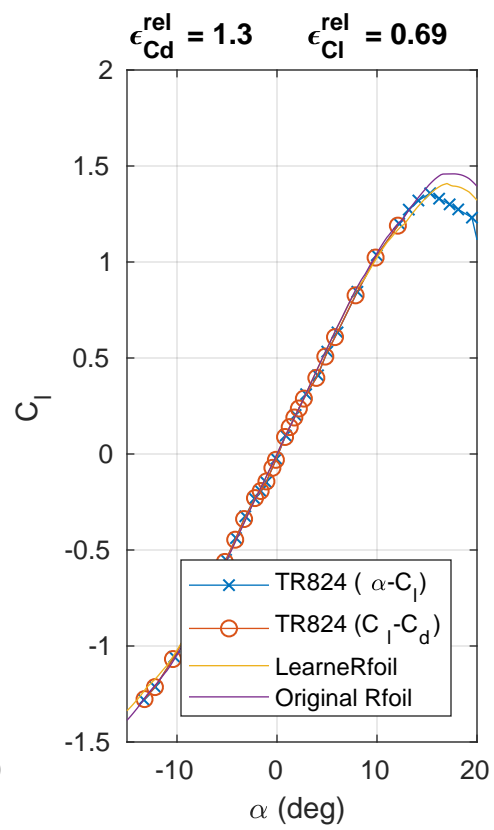
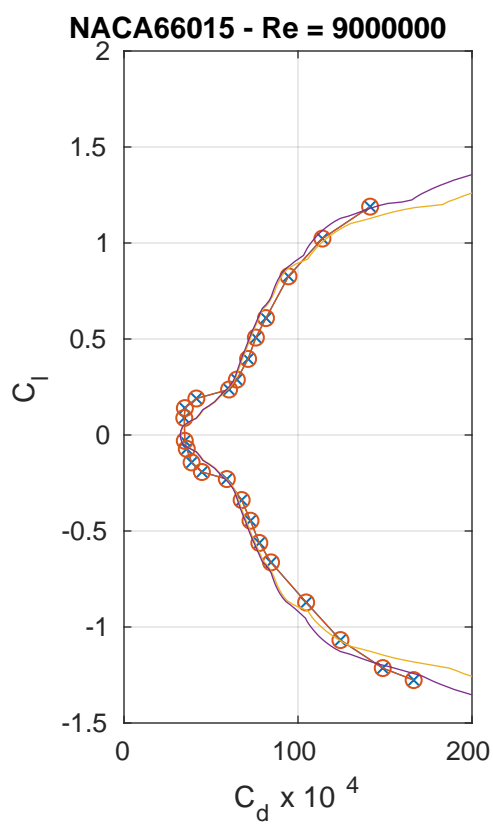


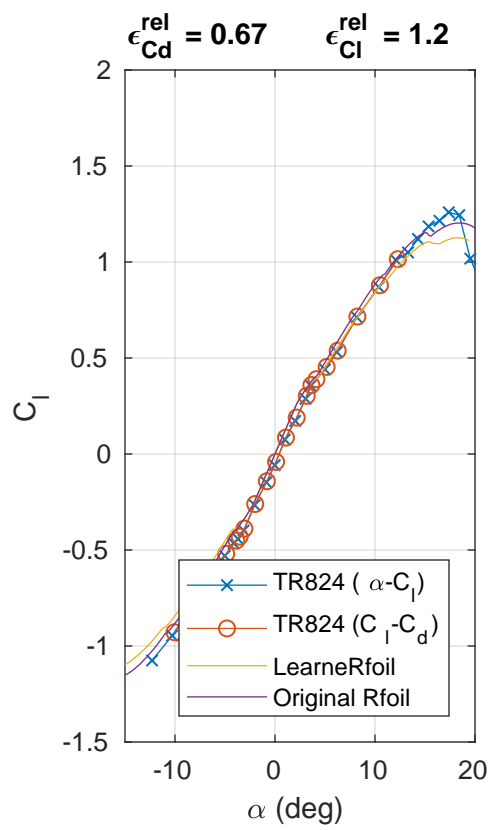
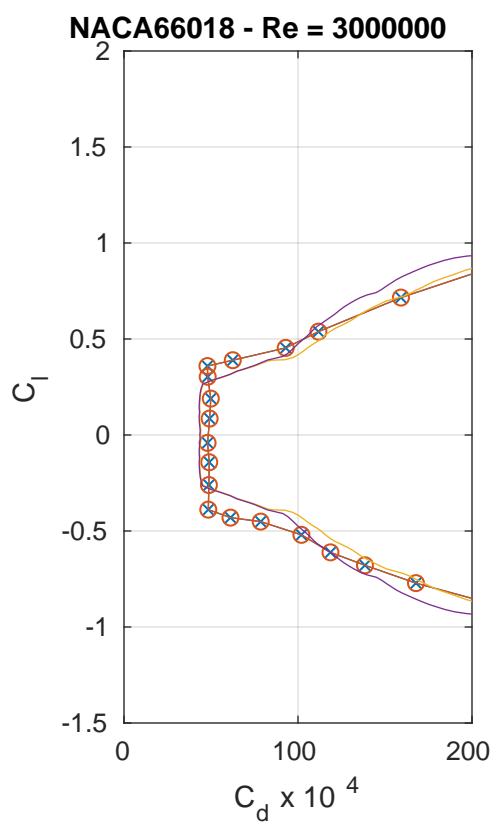


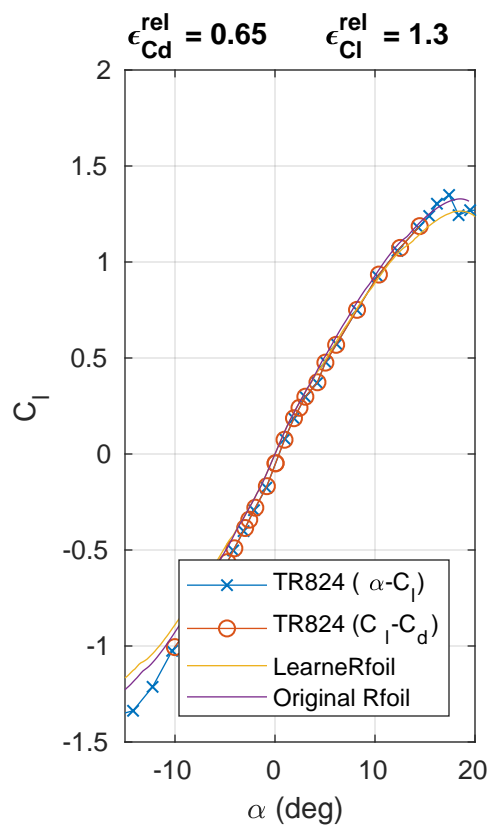
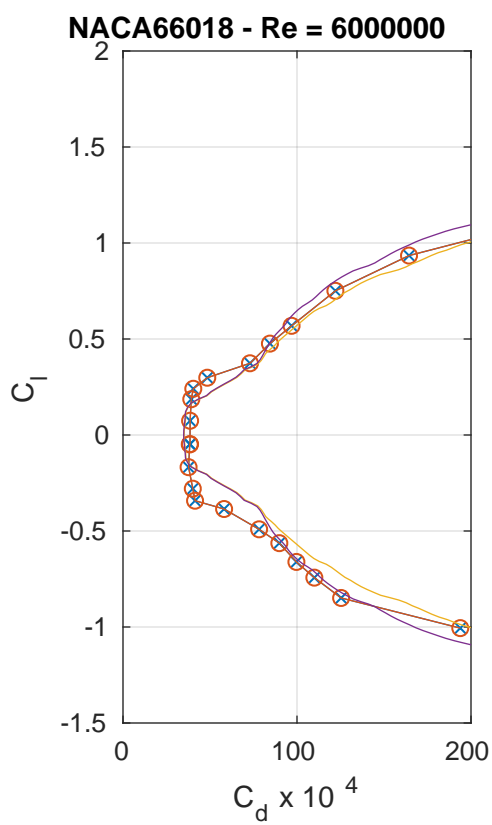


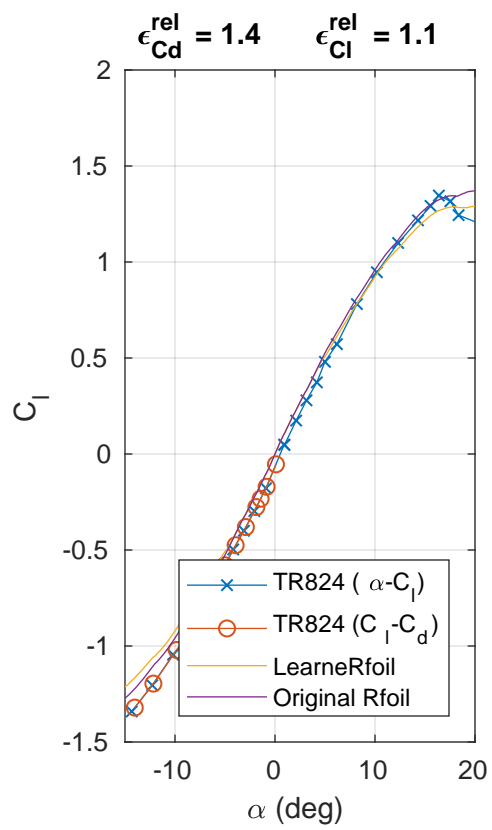
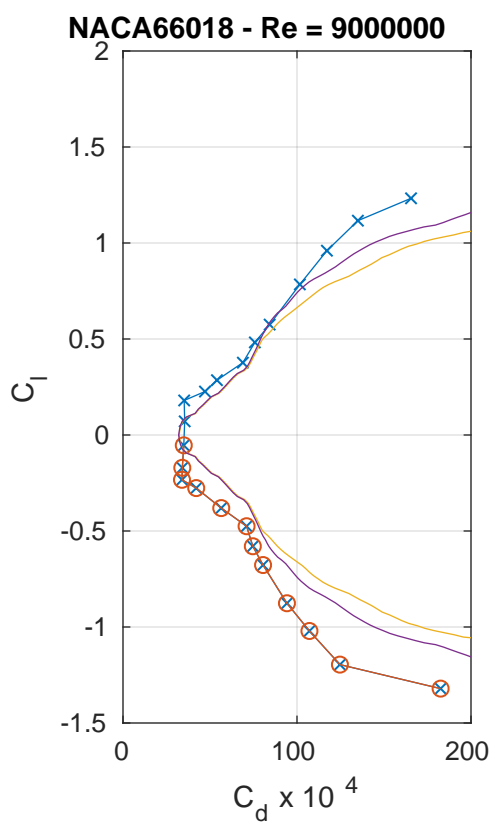


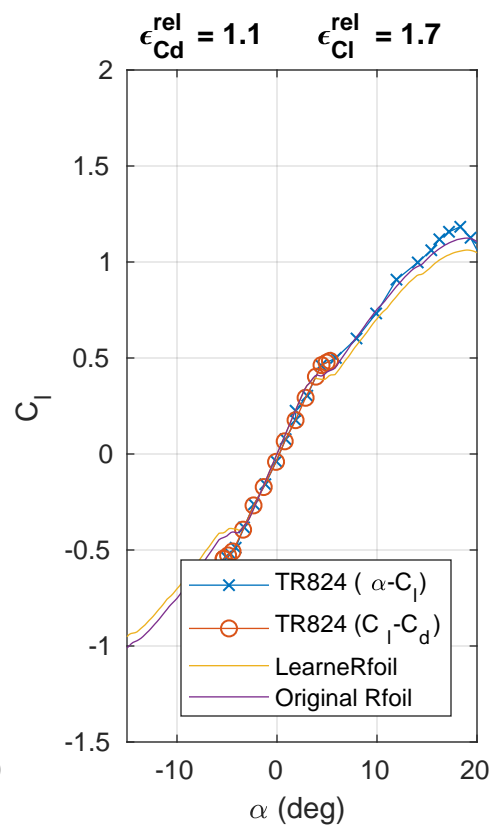
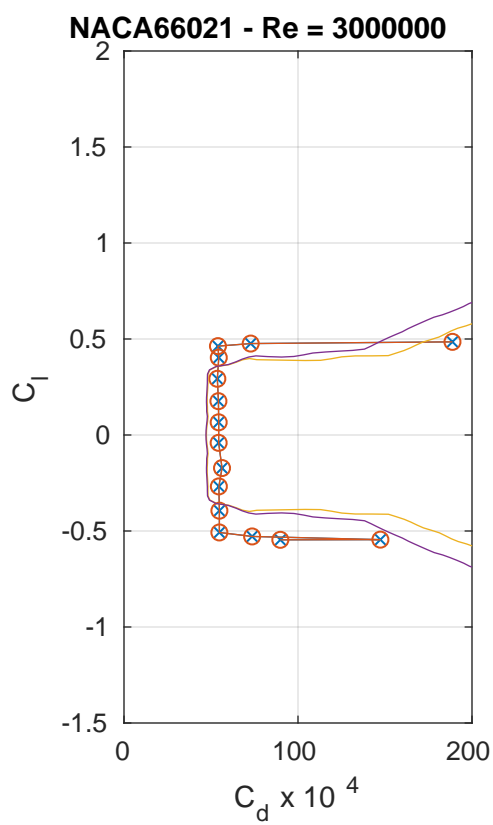


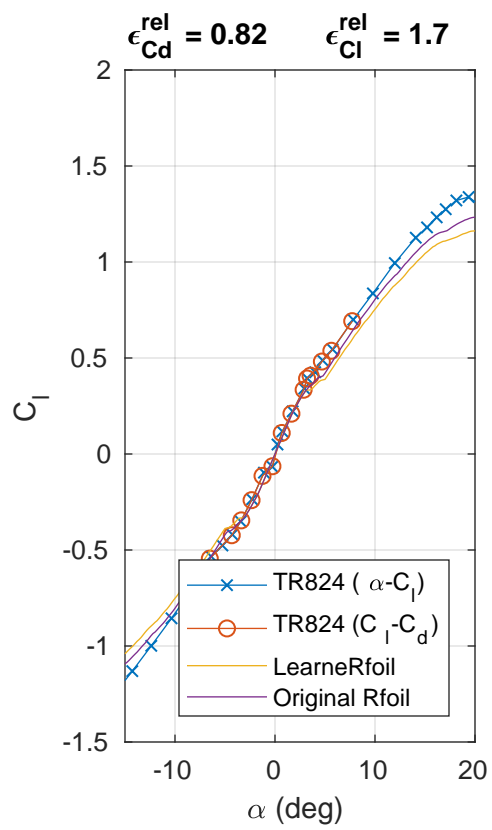
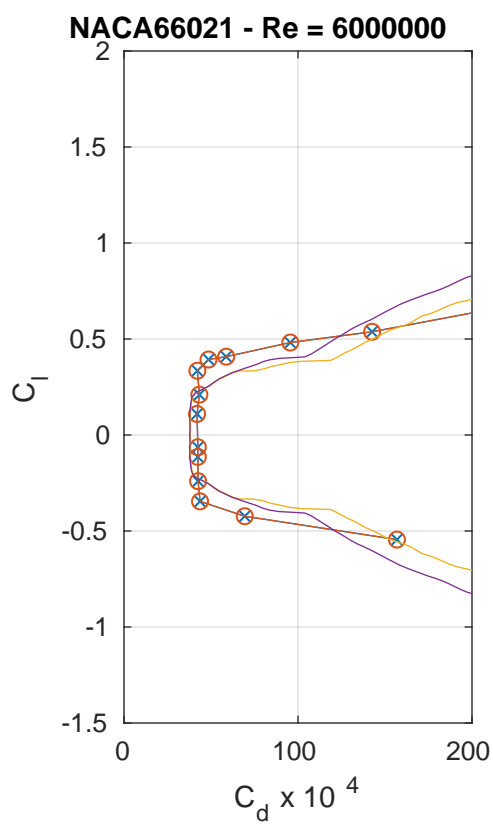


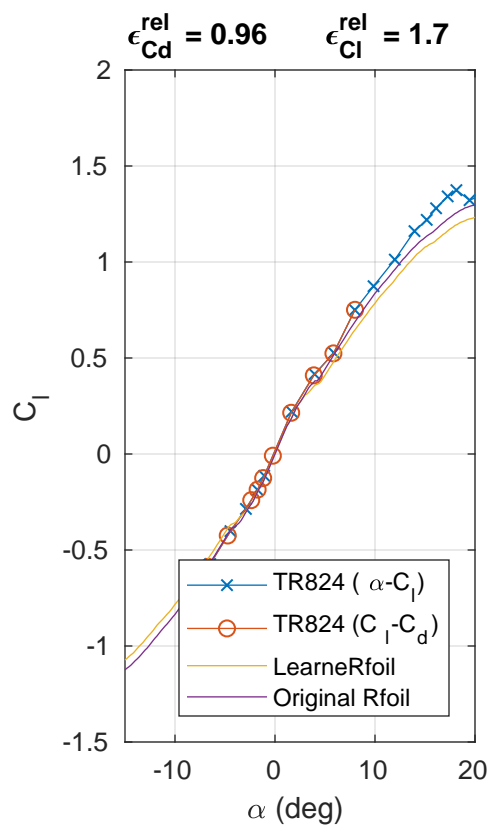
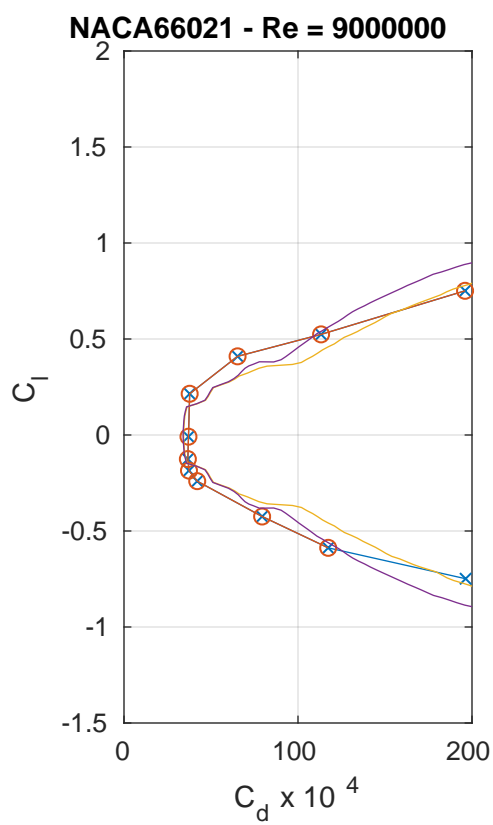


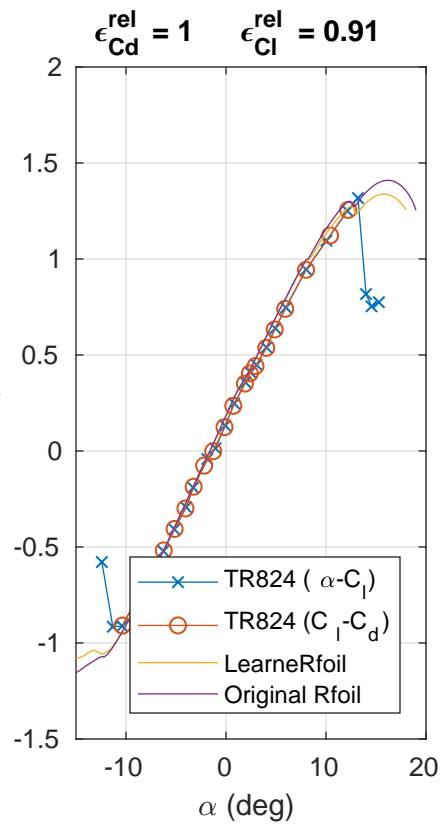
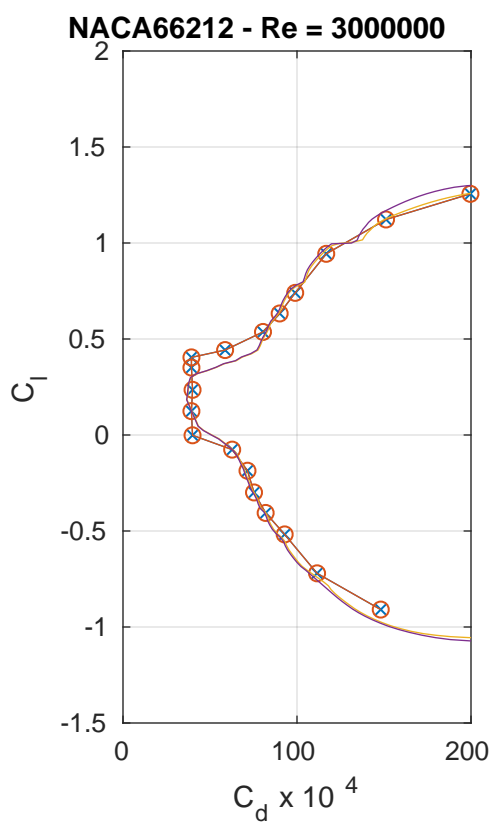


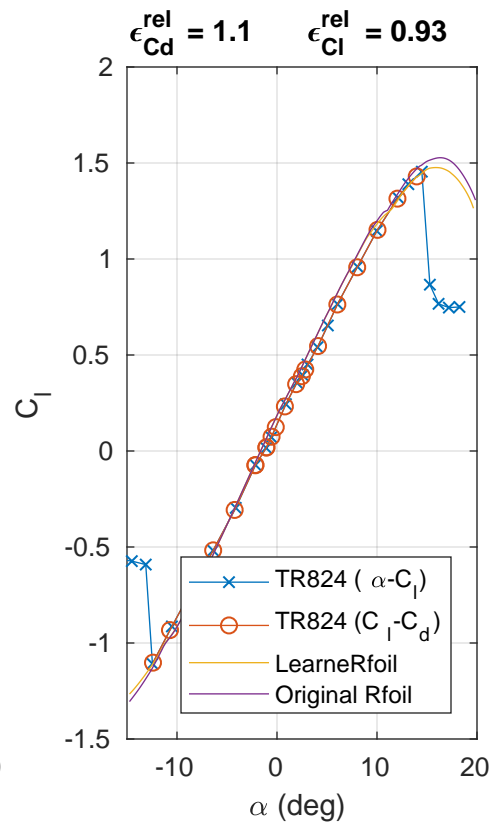
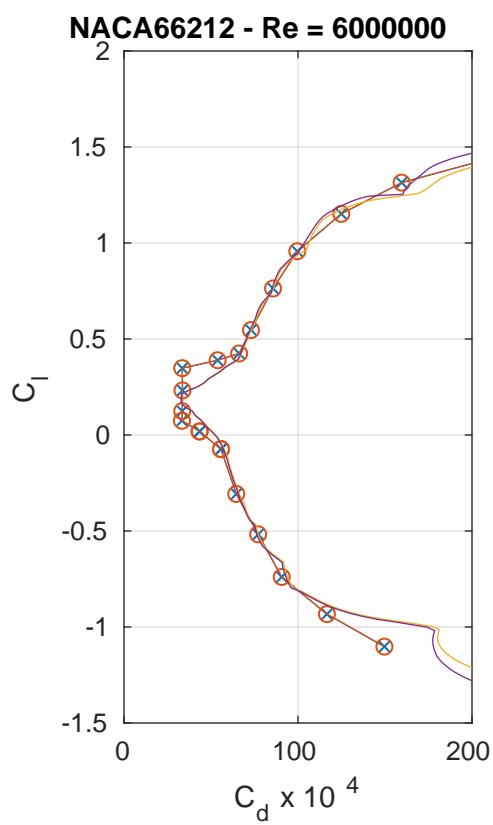


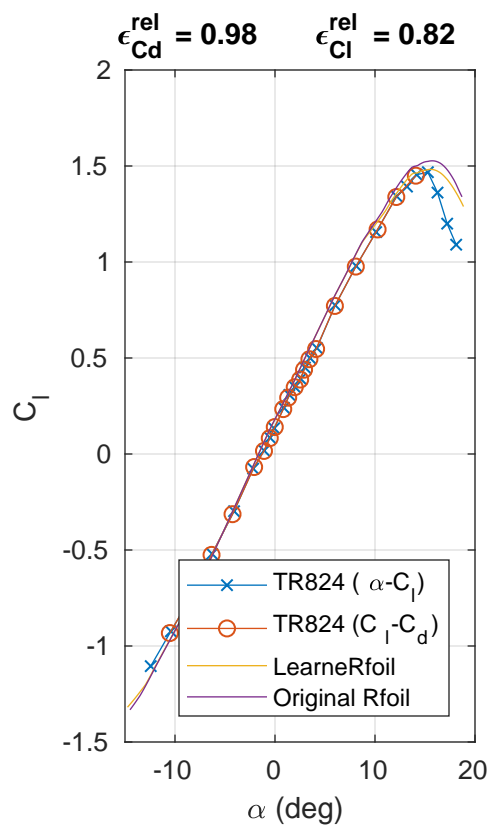
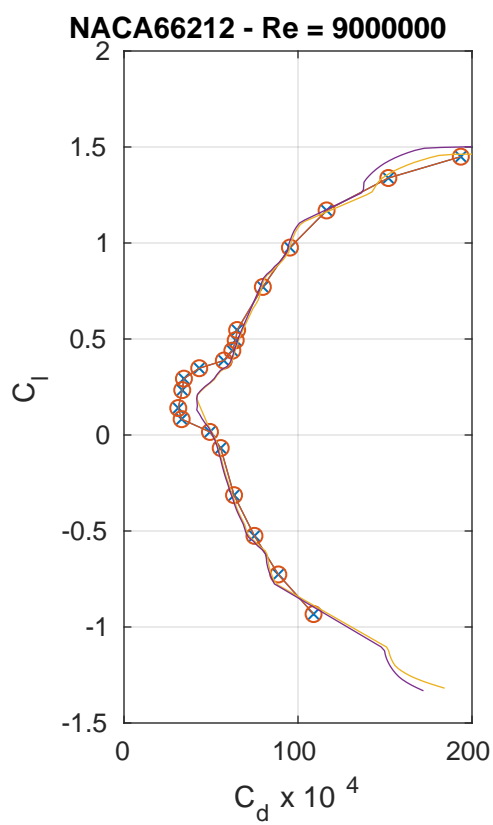


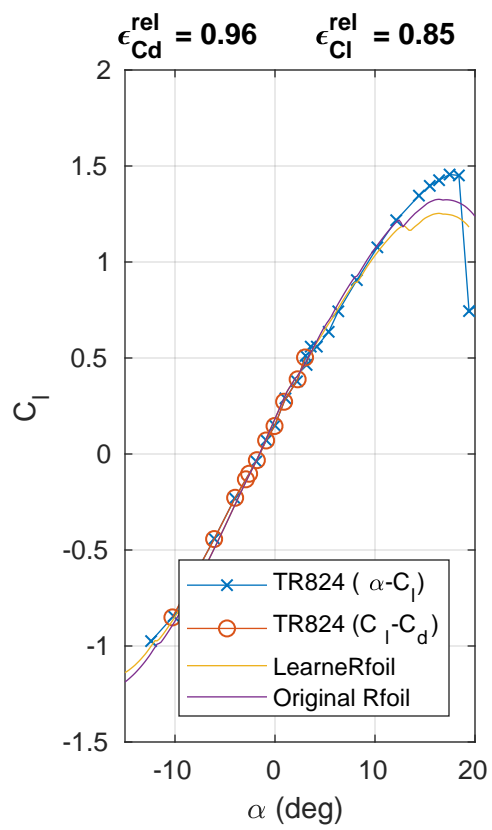
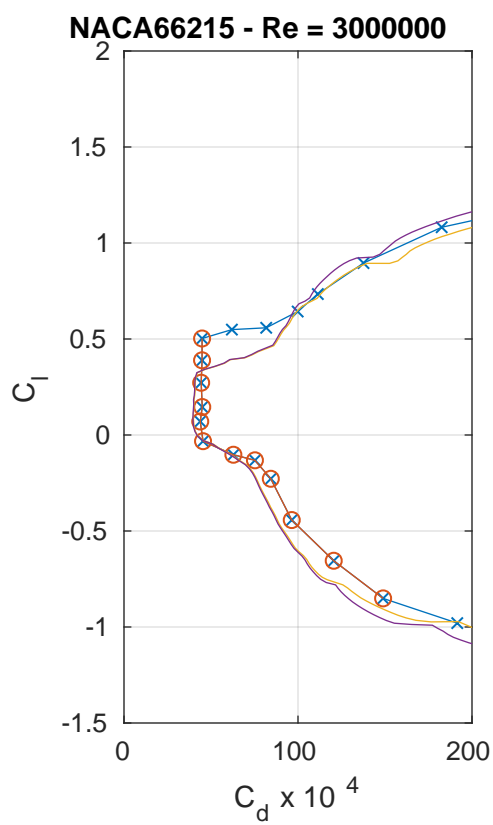


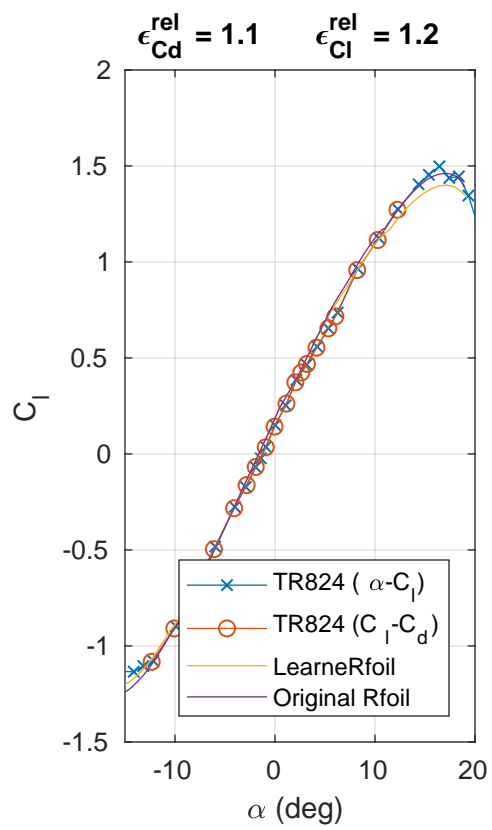
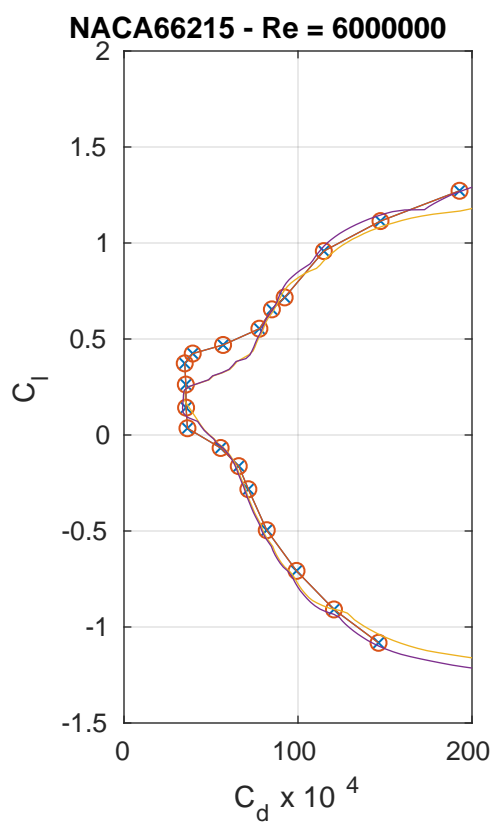


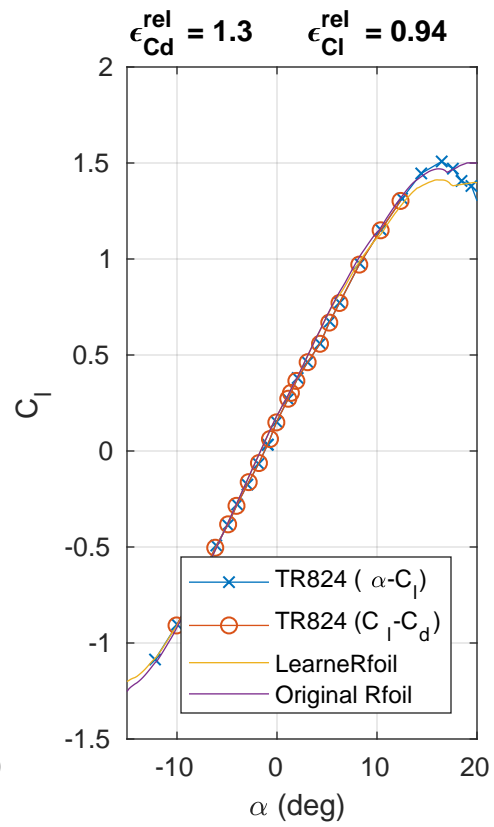
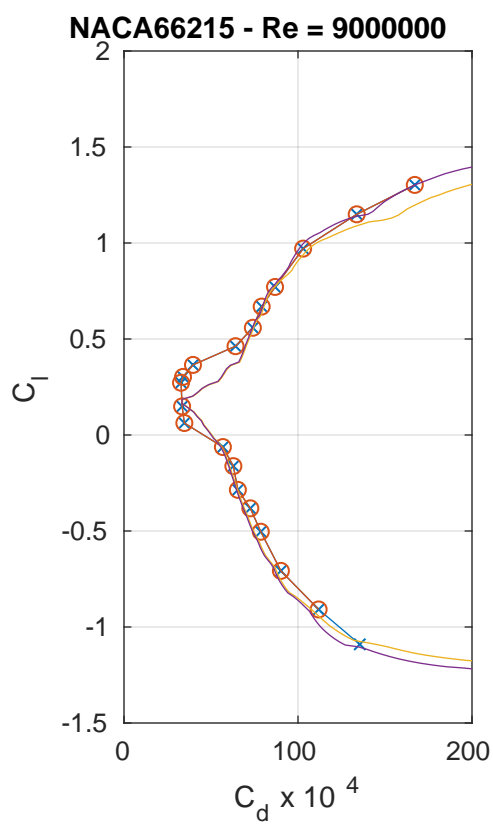


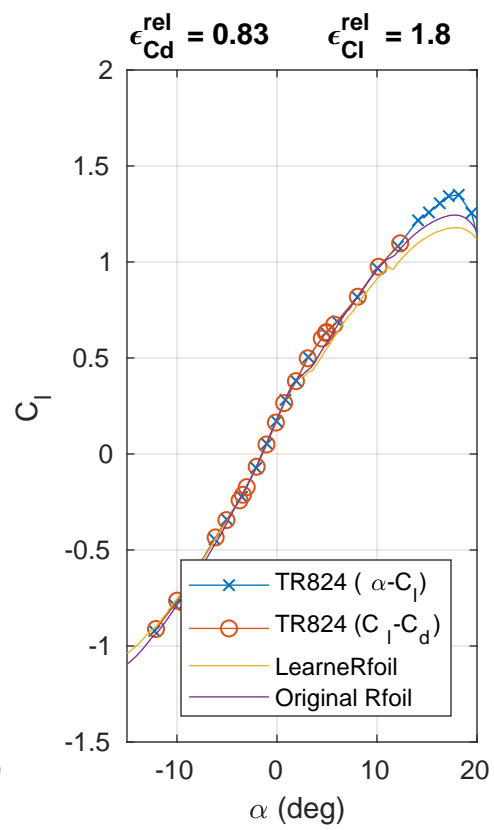
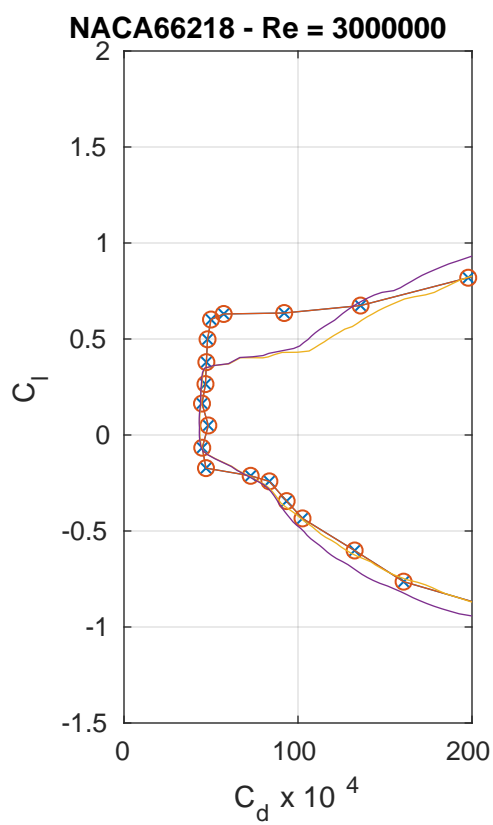




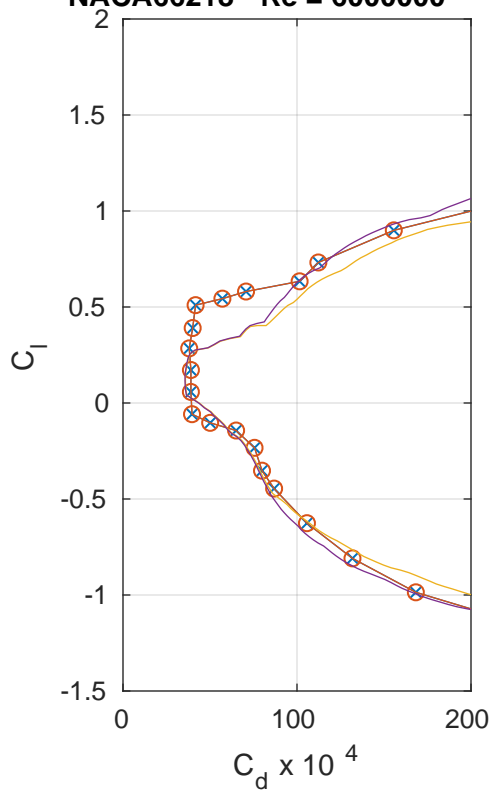




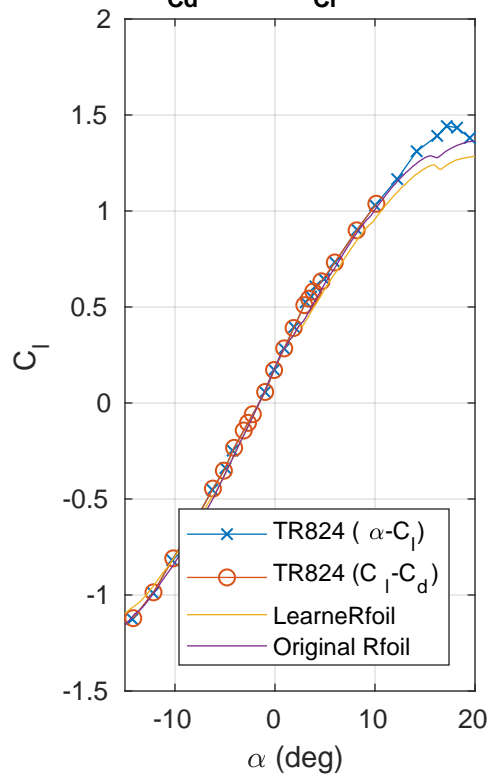


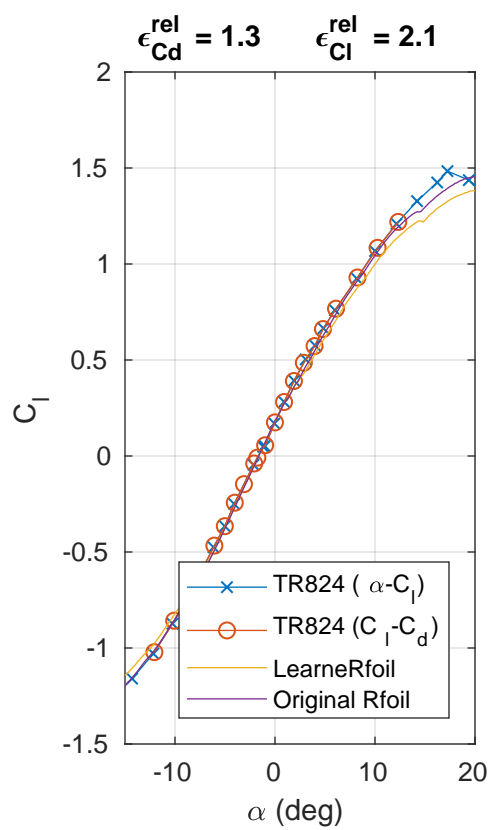
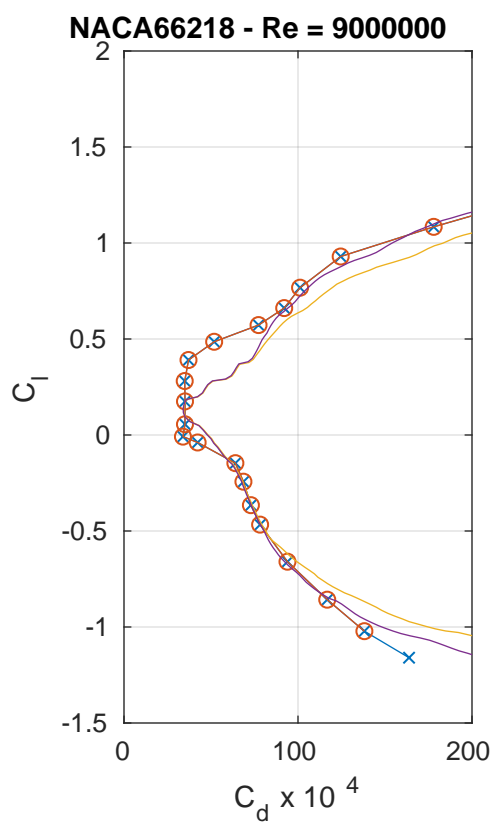


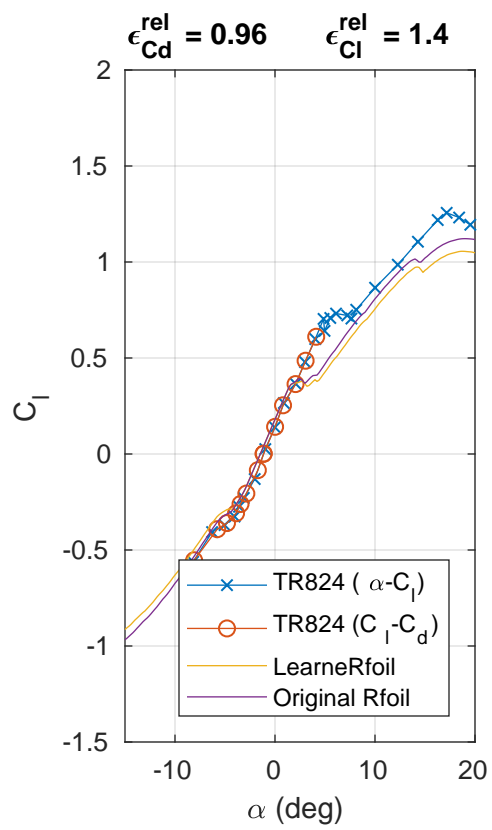
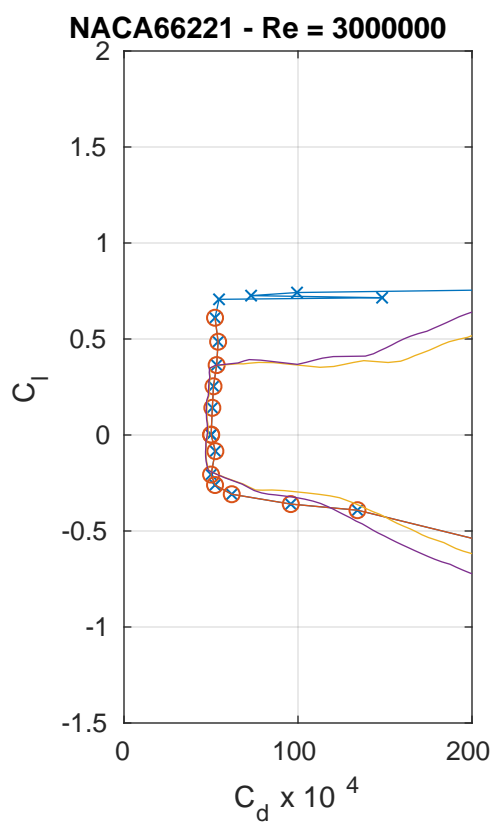
NACA66218 - Re = 6000000

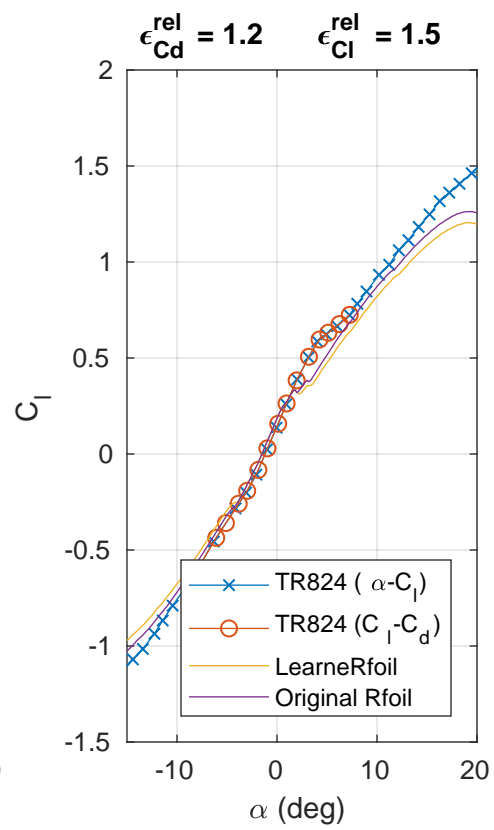
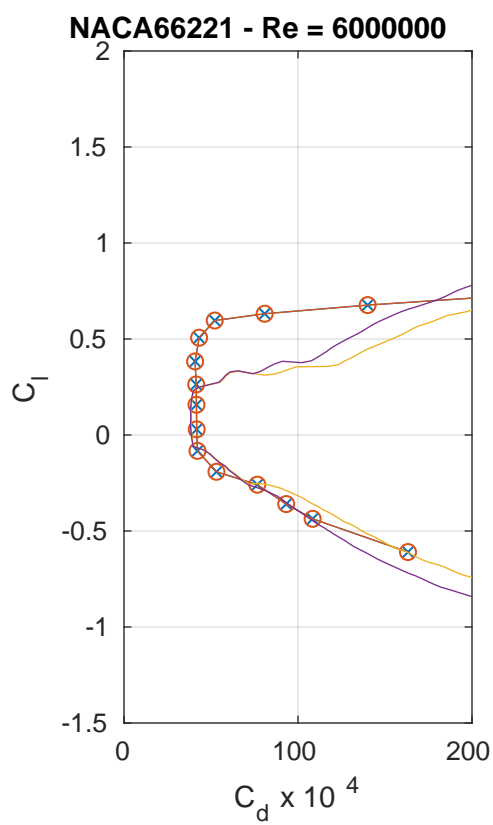


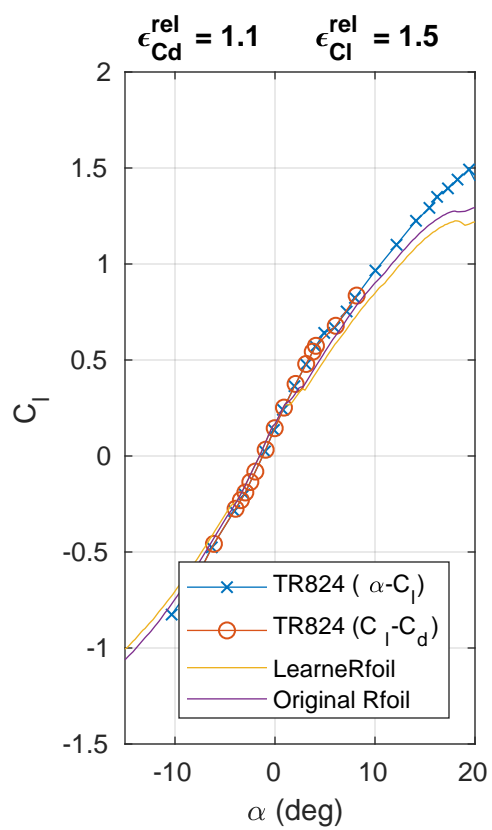
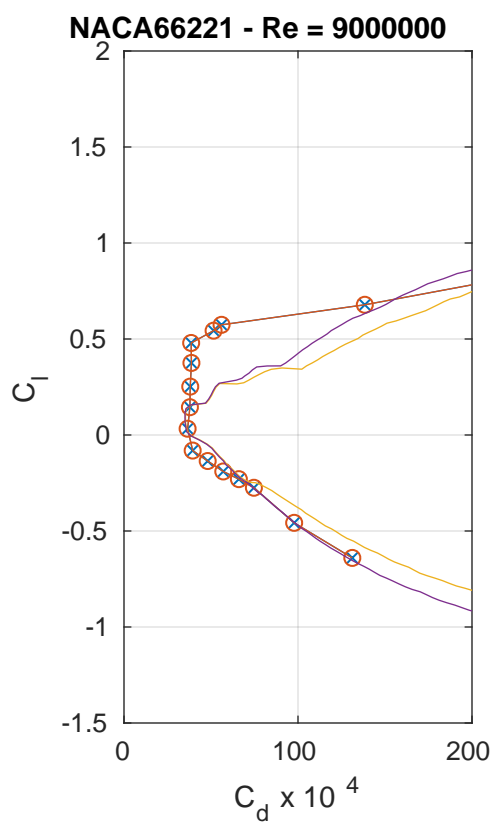
$\epsilon_{C_d}^{rel} = 1$ $\epsilon_{C_l}^{rel} = 1.7$

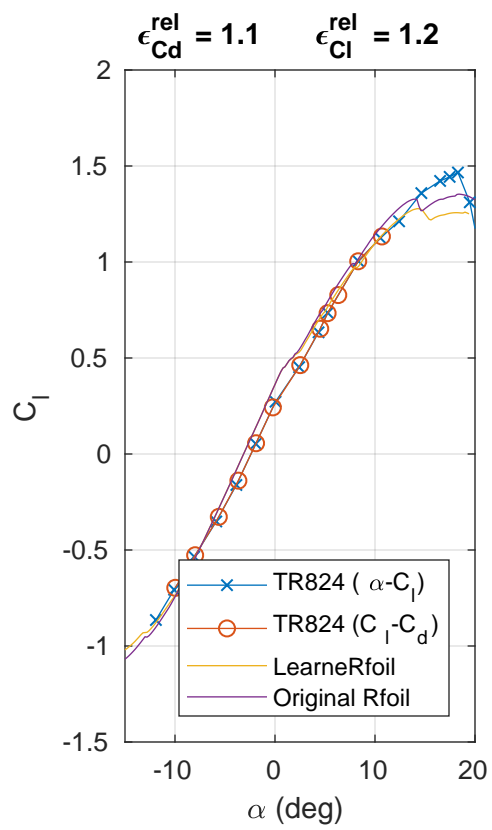
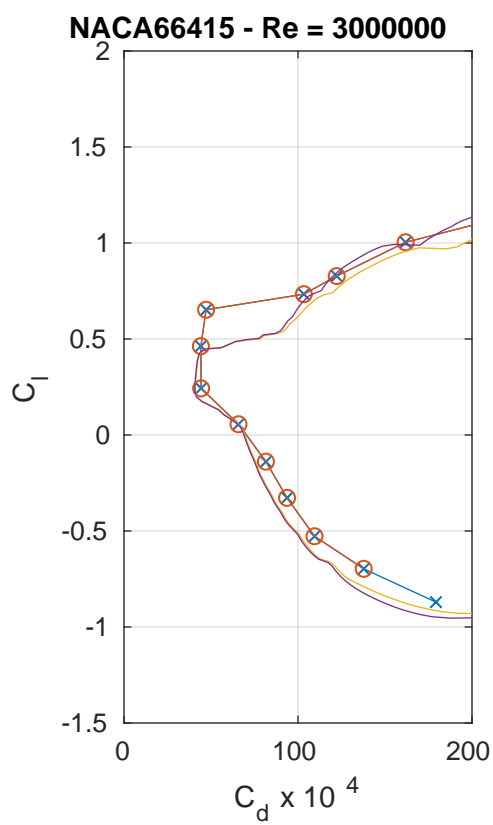


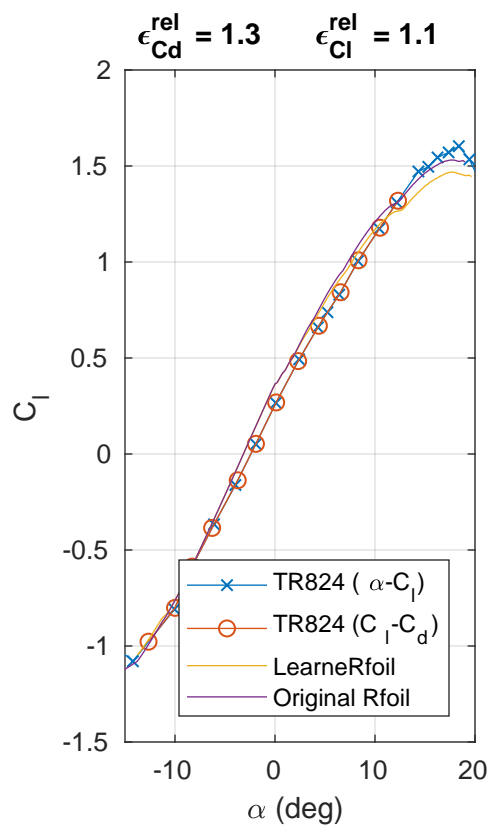
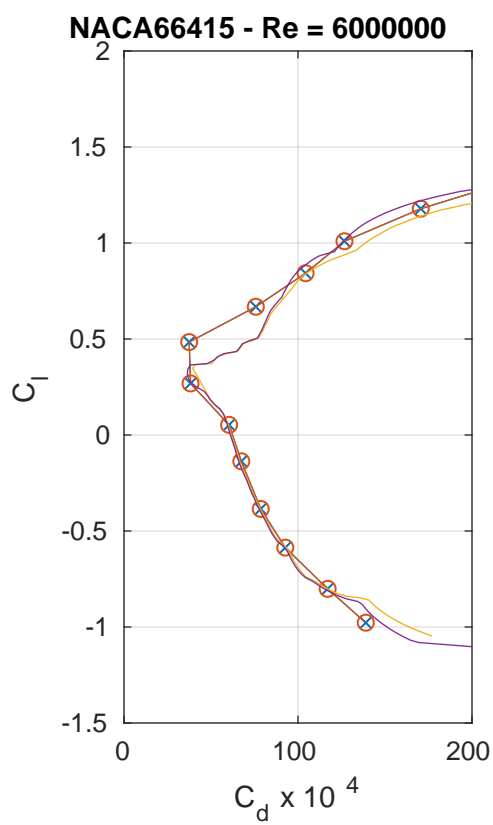


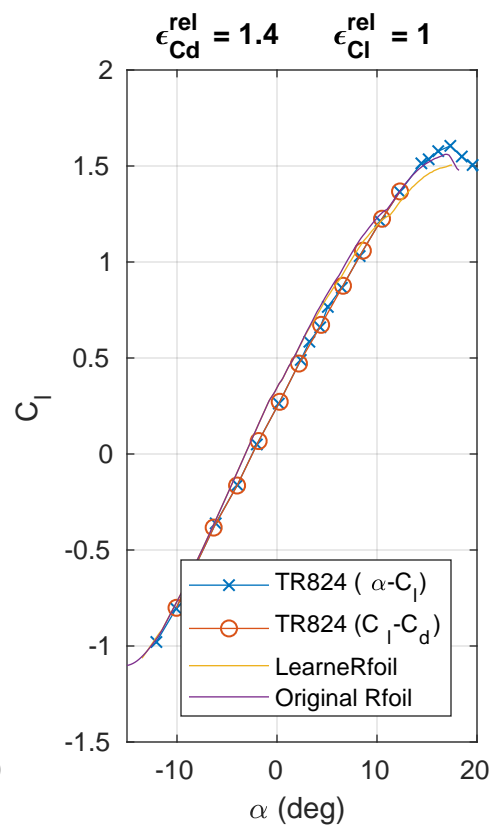
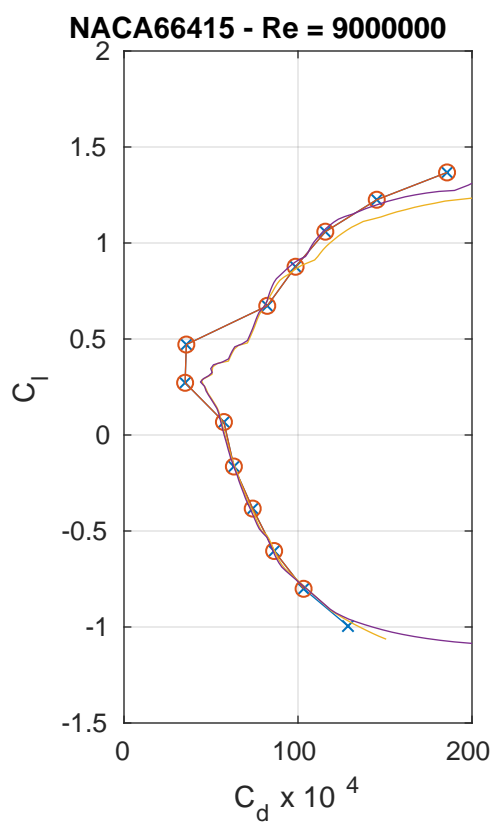




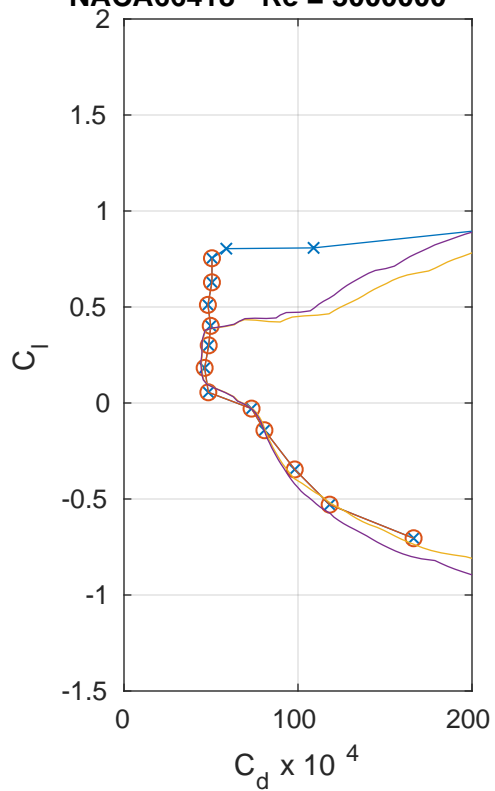








NACA66418 - Re = 3000000



$\epsilon_{C_d}^{rel} = 1.1$ $\epsilon_{C_l}^{rel} = 1.5$

