

Unsteady Aero at High AoA in Subsonic Flow

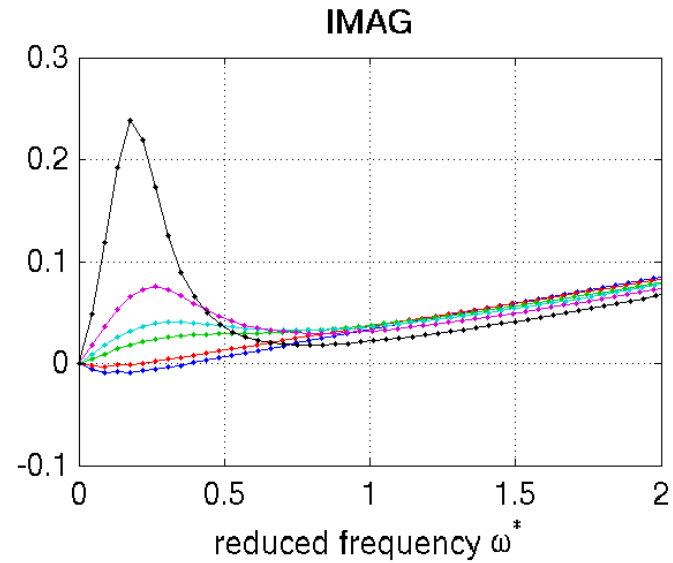
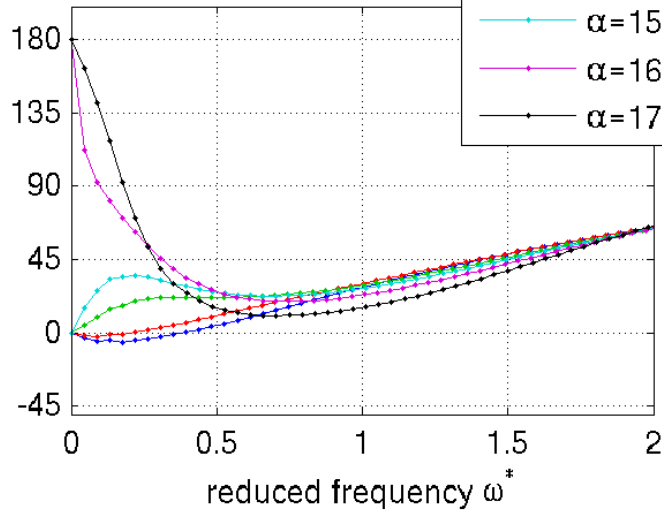
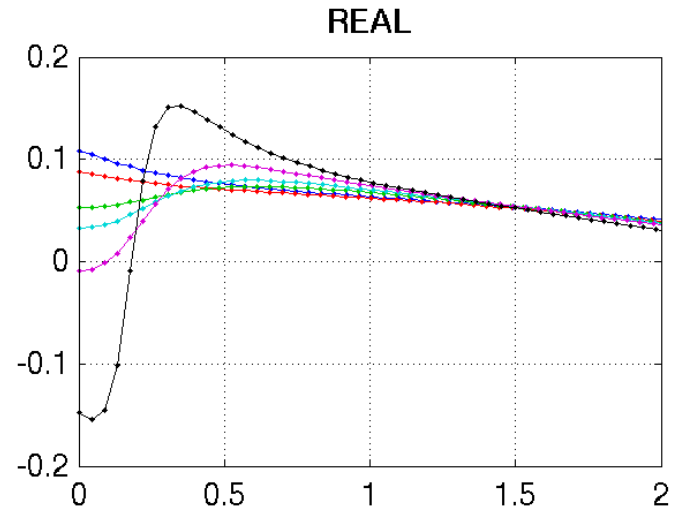
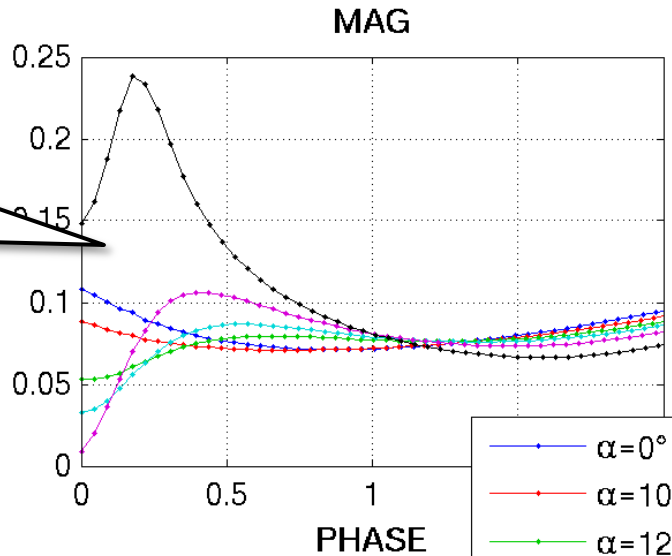
Jens Nitzsche

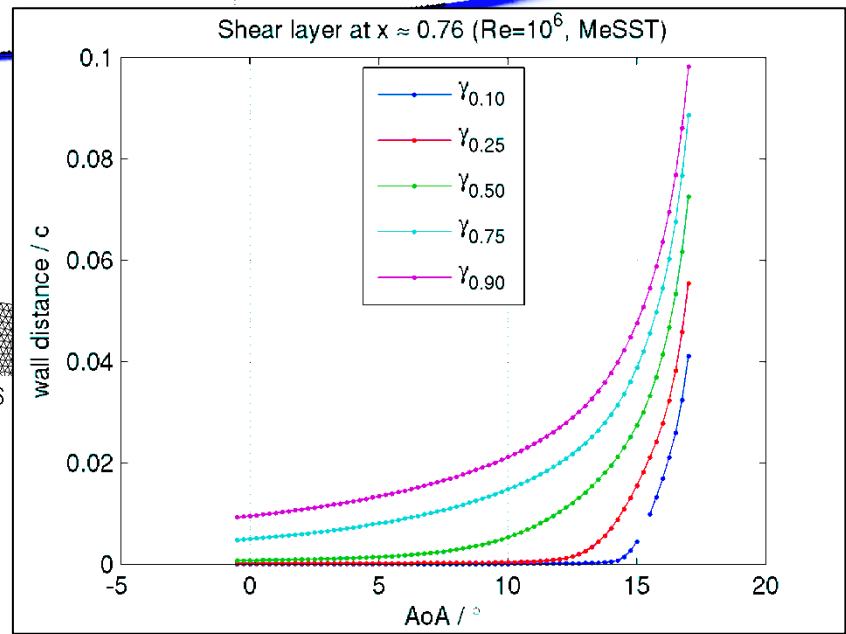
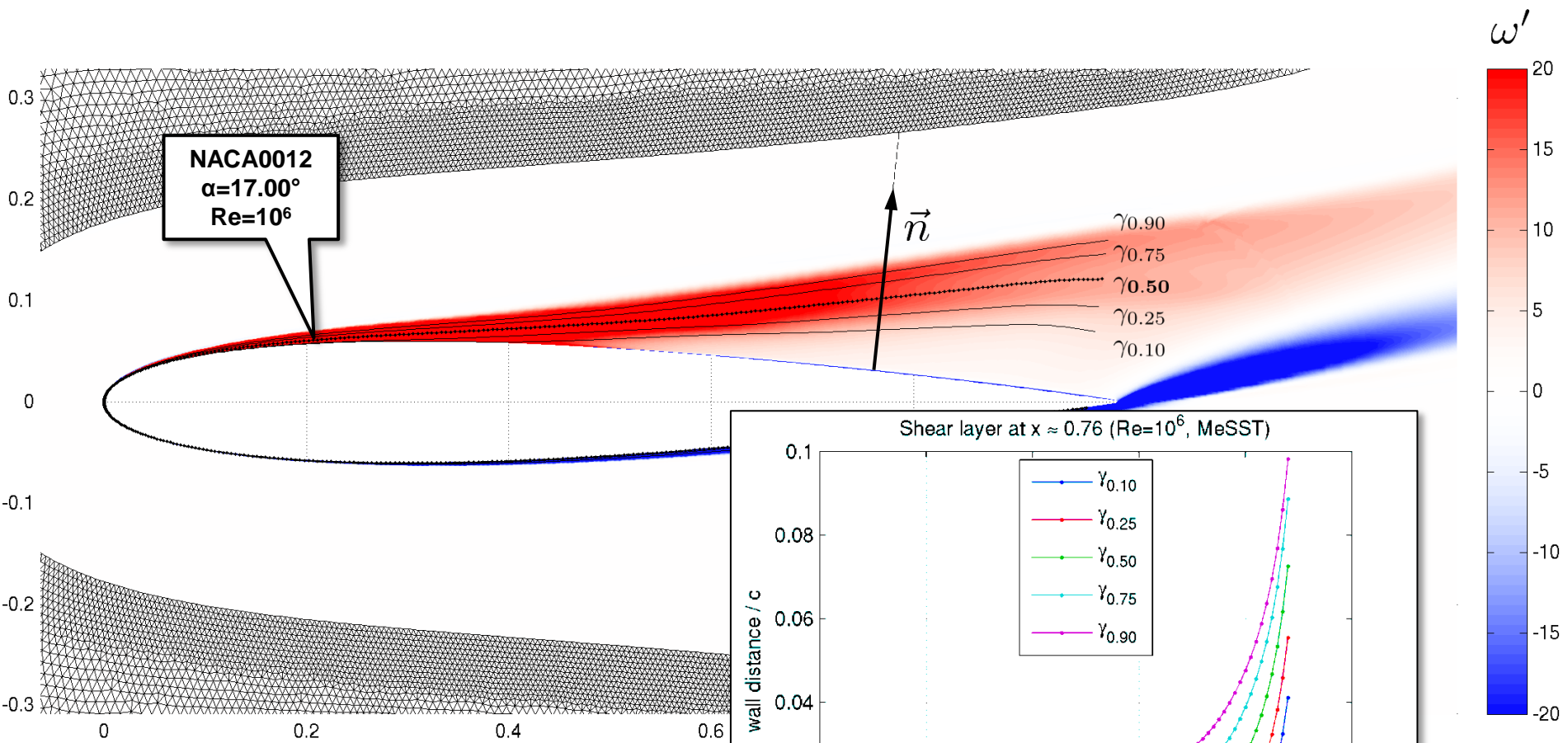


Wissen für Morgen

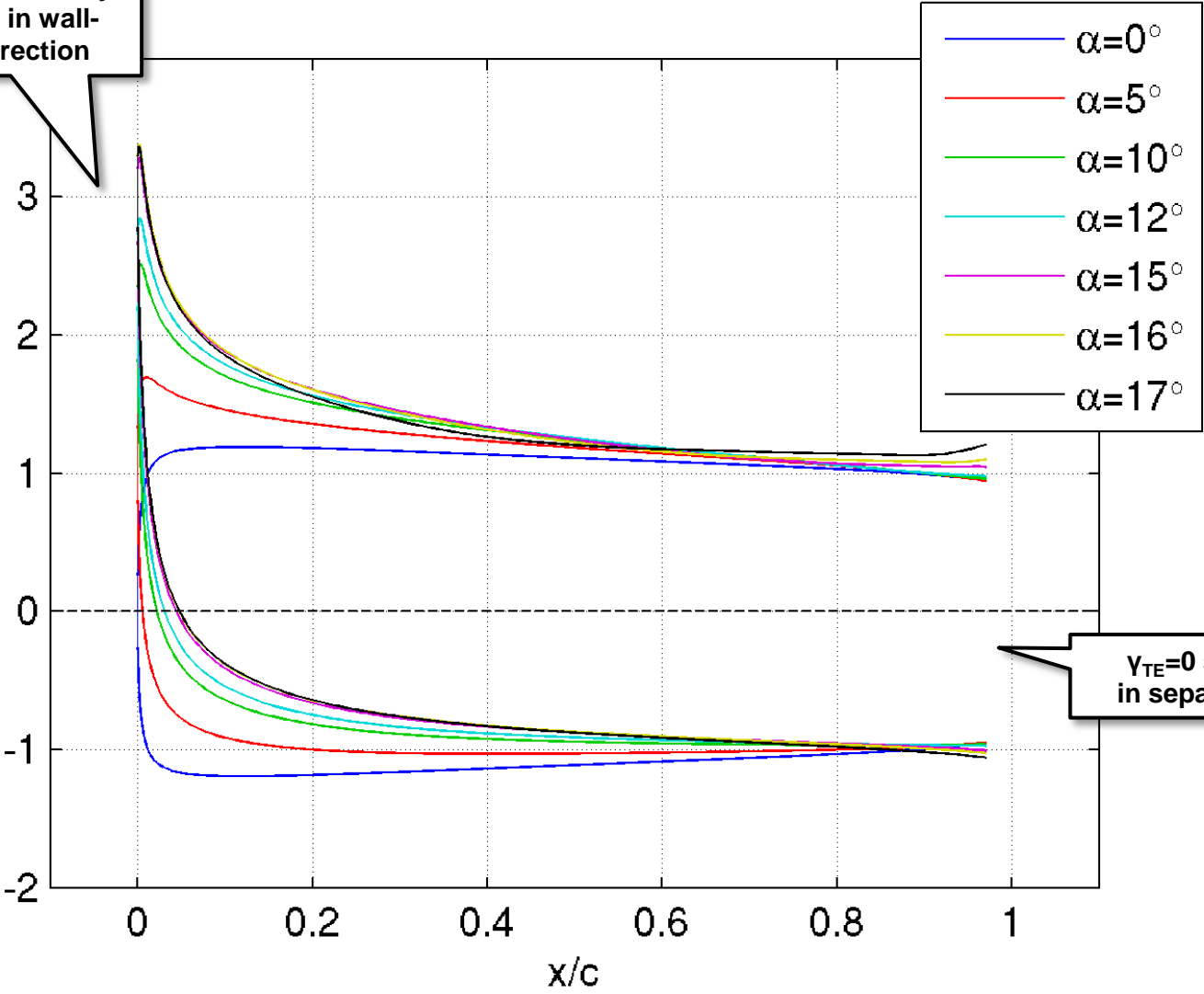


NACA0012
Unsteady lift
w.r.t. pitch
(2-d RANS)





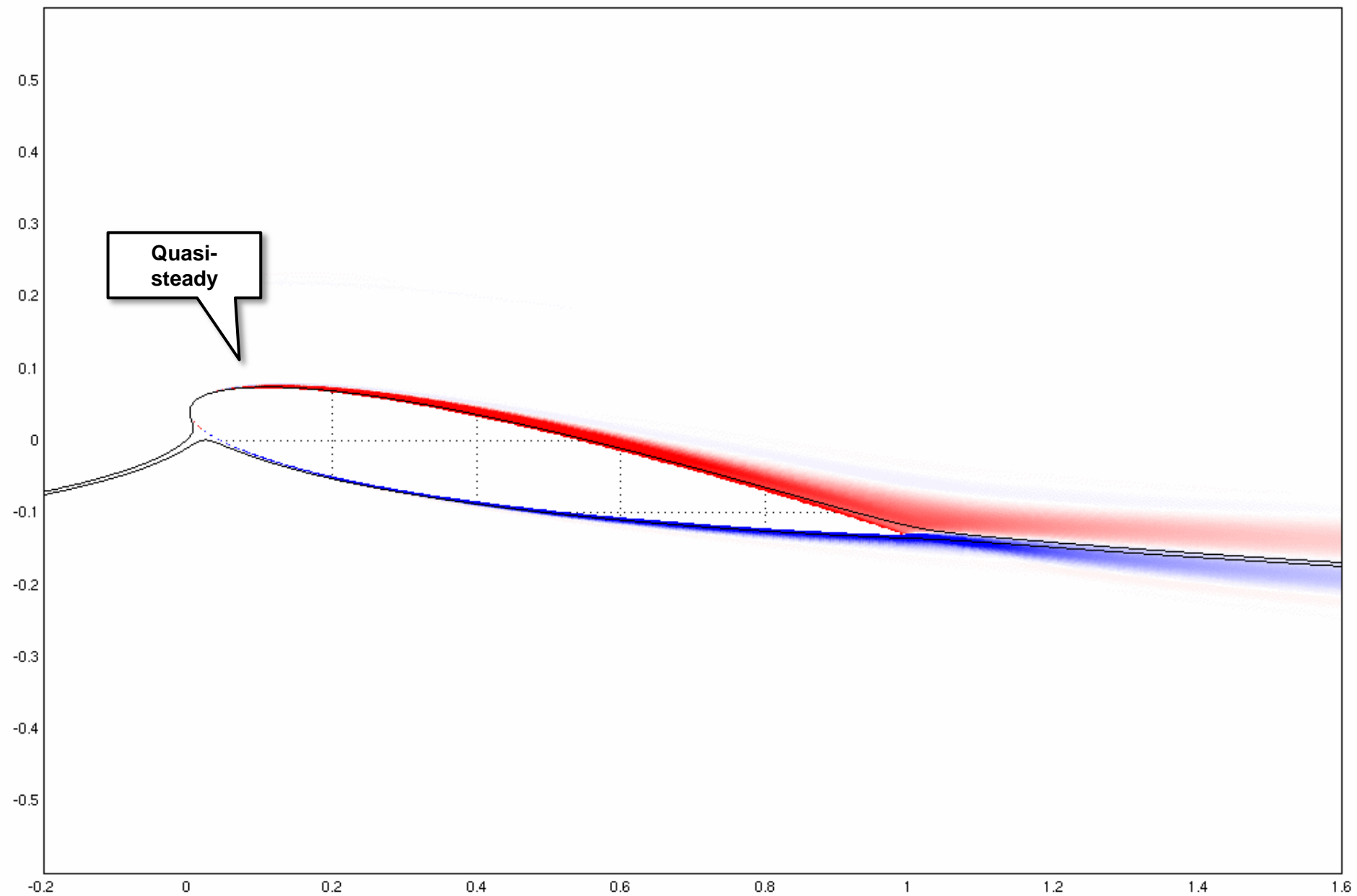
Normalized vorticity integrated in wall-normal direction



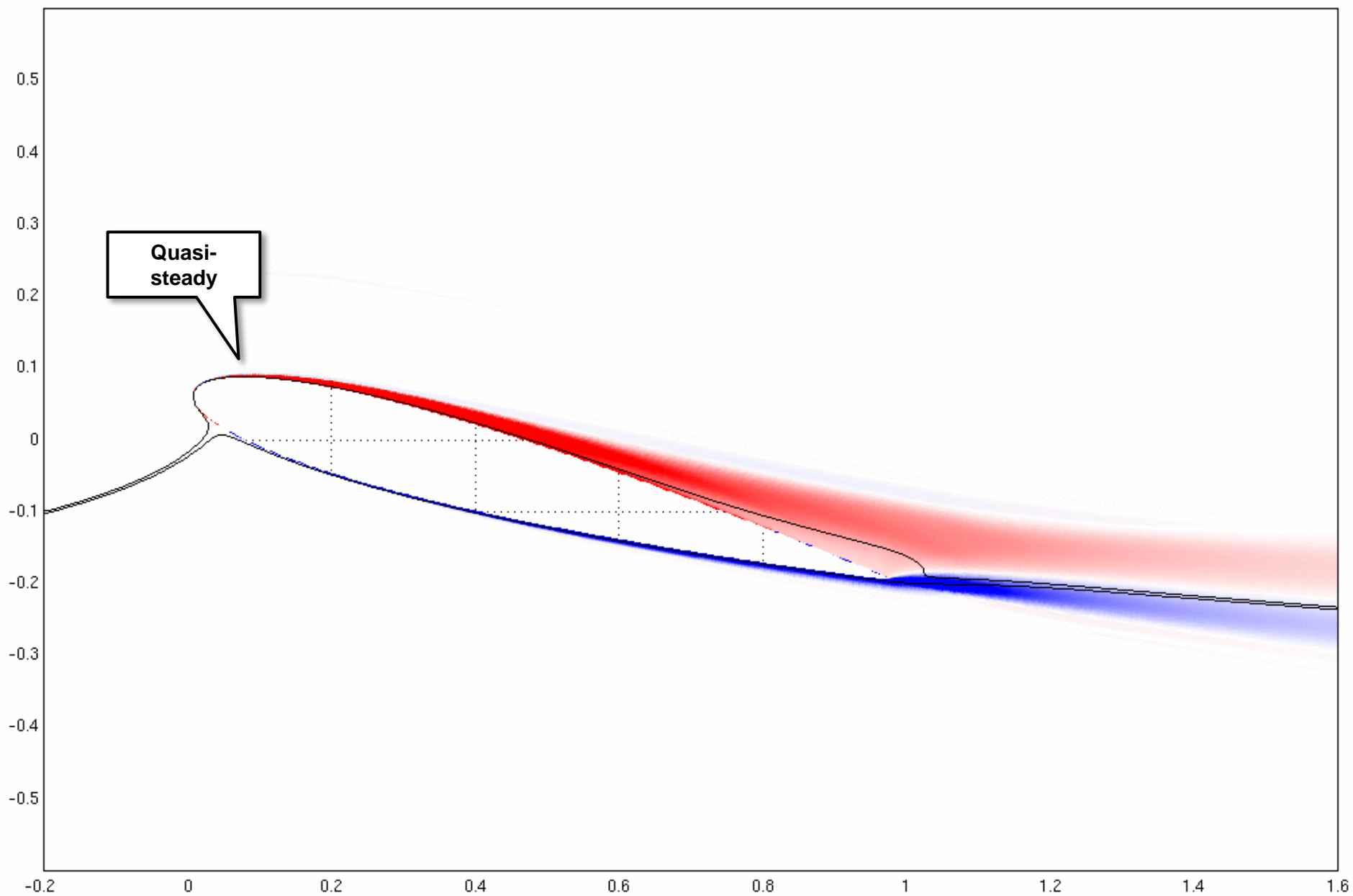
$\gamma_{TE}=0$ still holds in separated flow



$\alpha=10.00^\circ$



$\alpha=15.00^\circ$



$\alpha=16.00^\circ$

