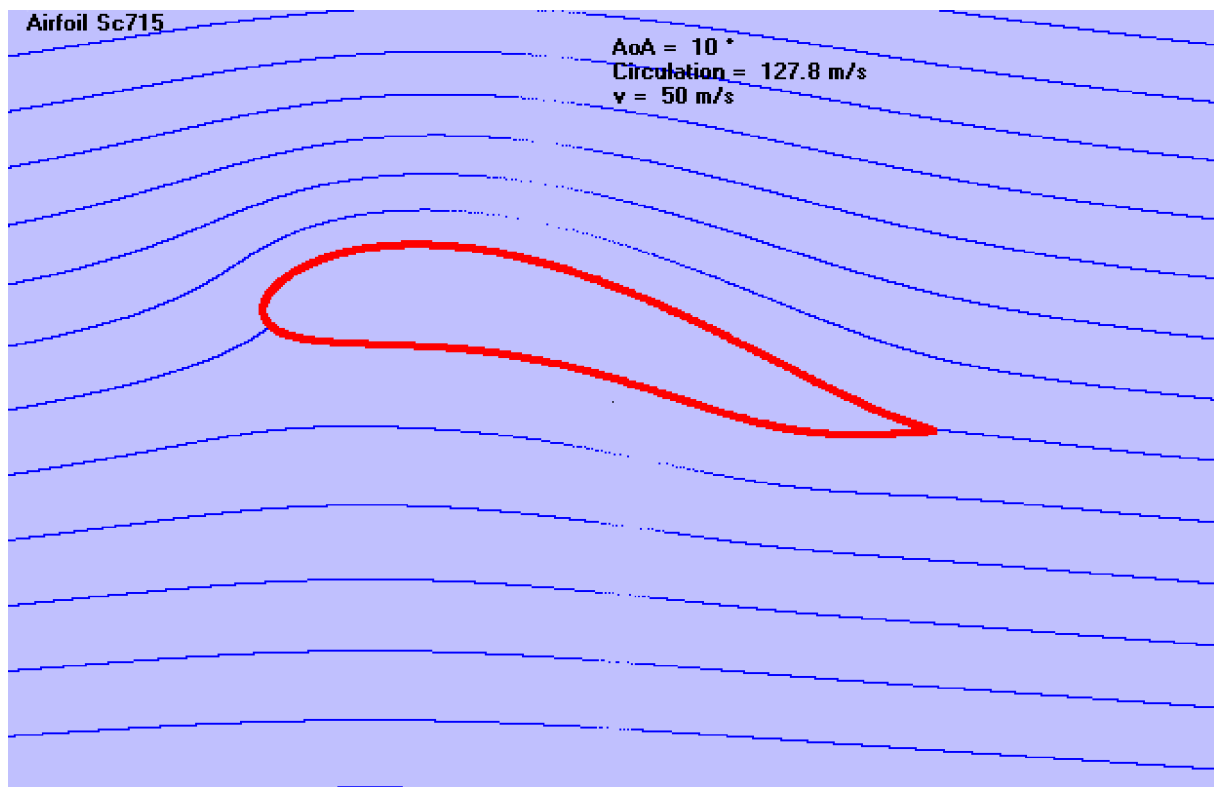


# Daten des Flügelprofils Sc715



Sc715 Airfoil

01-21-2009 (c) Forschungskontor, Dipl.-Ing. Kapt.(AG) Wolf Scheuermann  
 Aerodynamic - Conformal Mapping - Complex Potential

$z$  : circle centered on  $m_1$  with radius 1

intermediate v.Mises Airfoil:  $z_1 = z + b_1/z + b_2/z^2$

Theodorsen Airfoil:  $z_2 = z_1 + a_1/z_1 + a_2/z_1^2 + a_3/z_1^3$

-0.13450 = Re( $m_1$ )

0.28880 = Im( $m_1$ )

-0.00410 = Re( $b_1$ )

-0.04650 = Im( $b_1$ )

0.00060 = Re( $b_2$ )

0.00000 = Im( $b_2$ )

0.67320 = Re( $a_1$ )

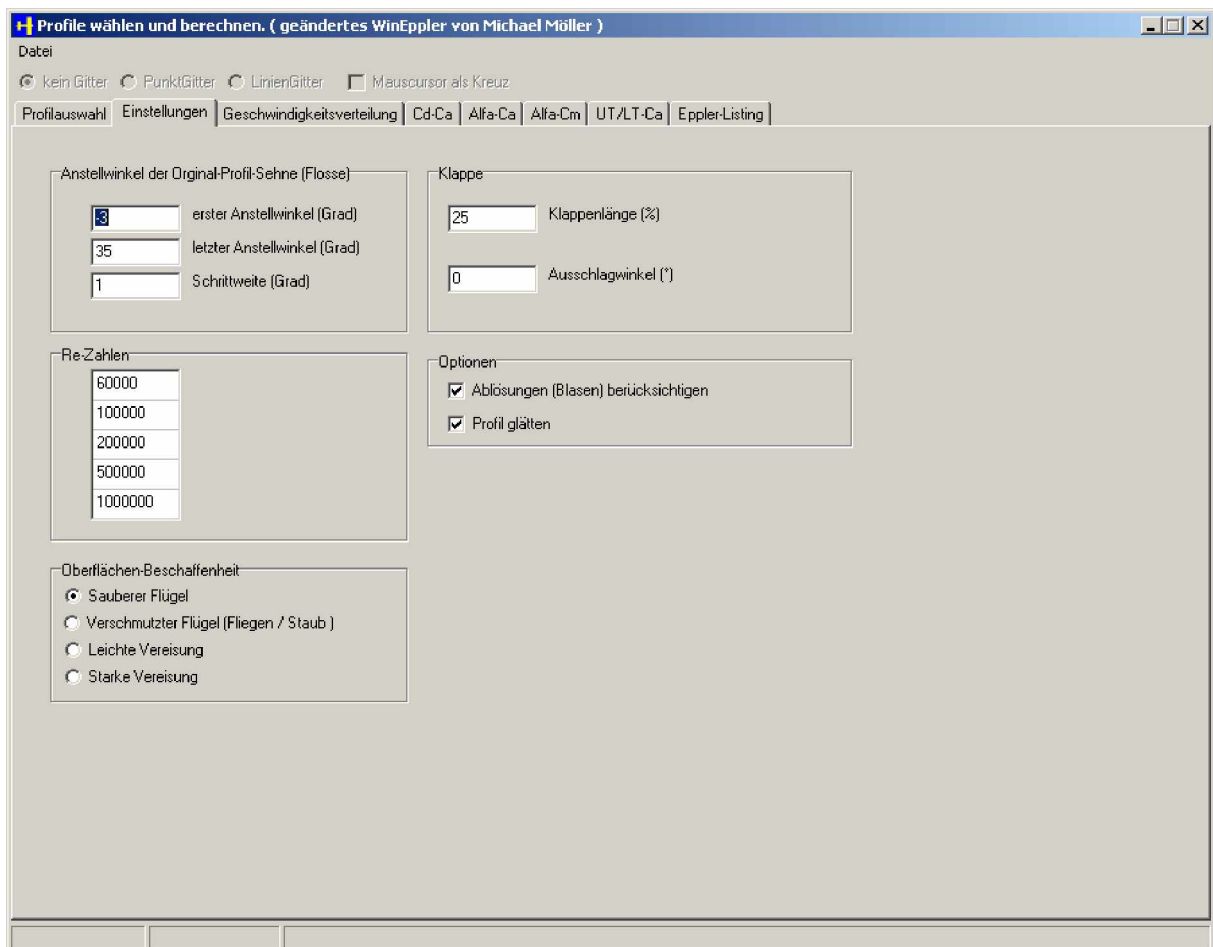
-0.26860 = Im( $a_1$ )

0.00320 = Re( $a_2$ )

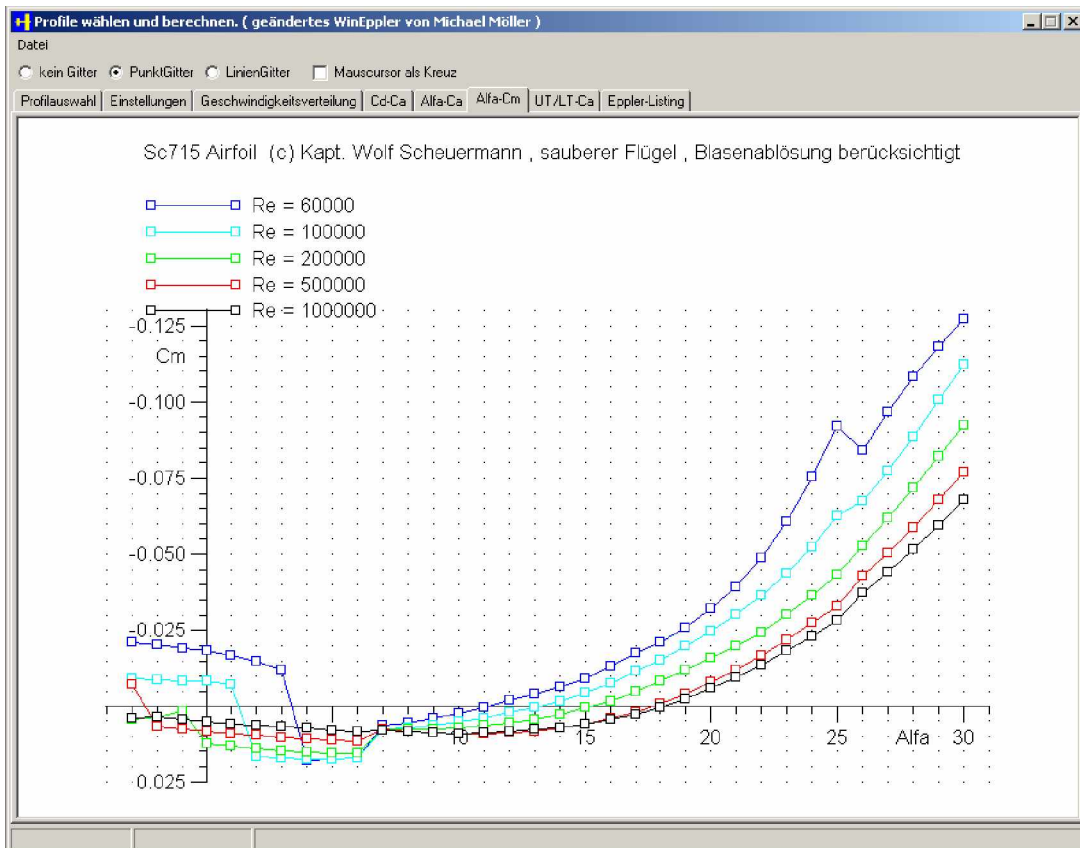
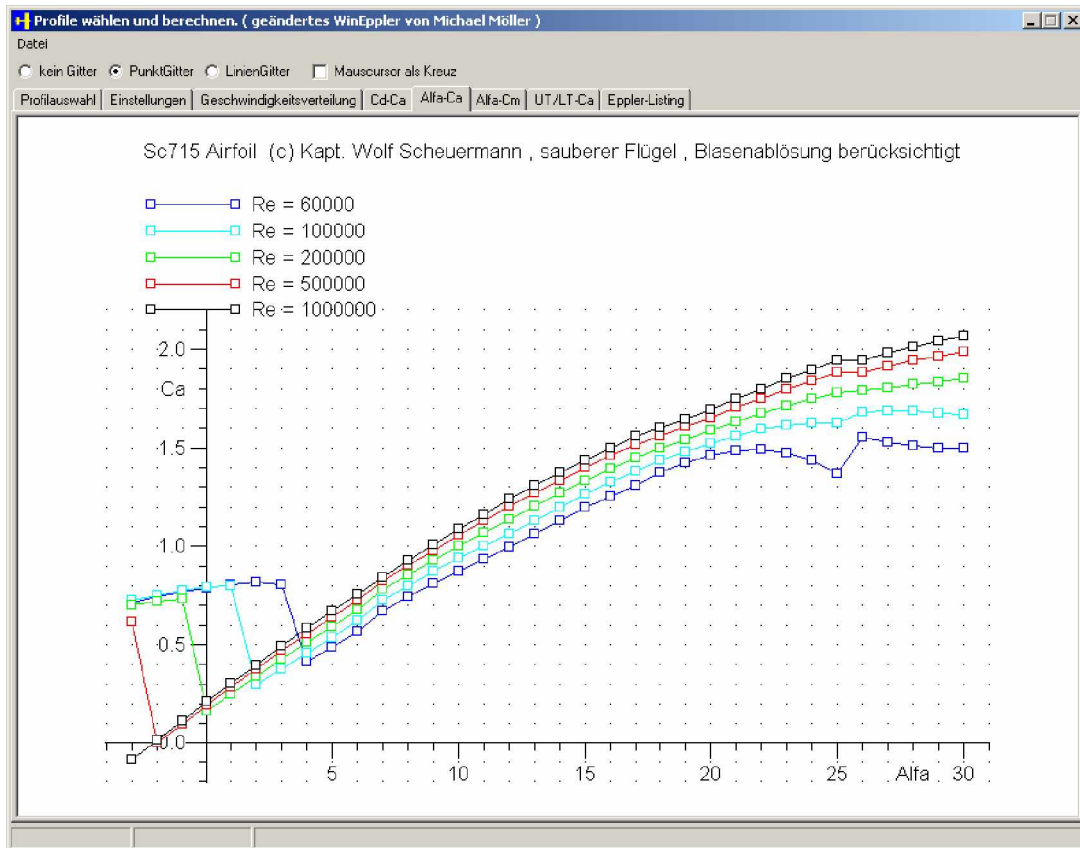
0.12320 = Im( $a_2$ )

-0.00360 = Re( $a_3$ )

0.00000 = Im( $a_3$ )



# Flügelprofil Sc715



# Flügelprofil Sc715

