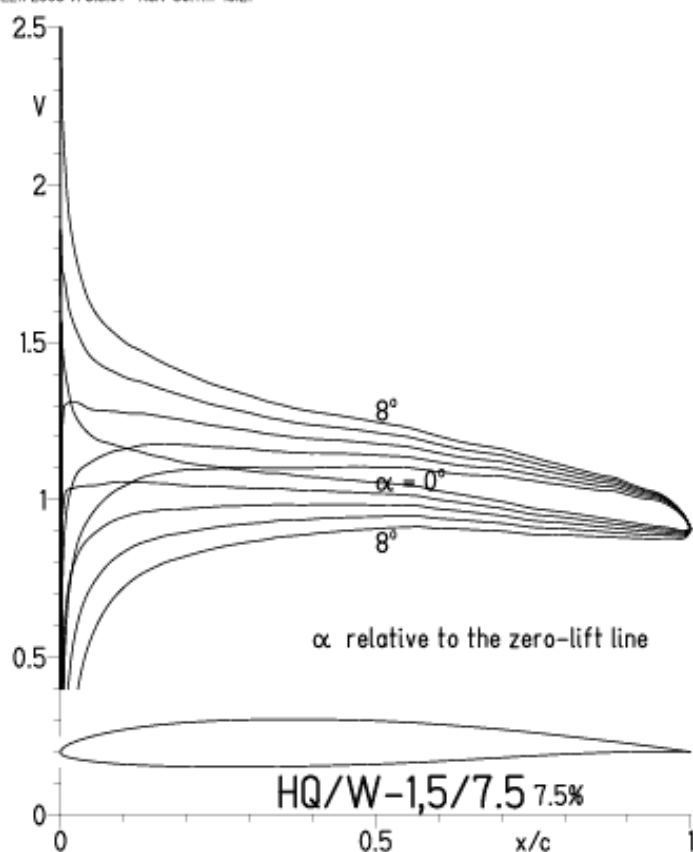


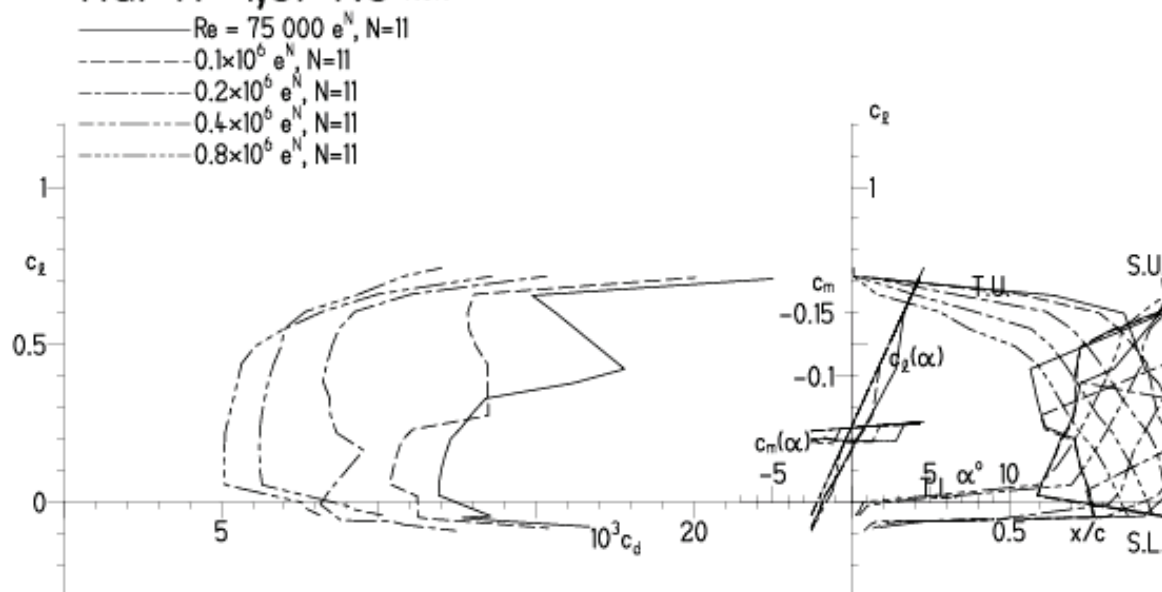
HQ/W-1,5/7,5, N=11

EPPLER 2005 V. 8.5.07 RUN 30.4.11 18:21

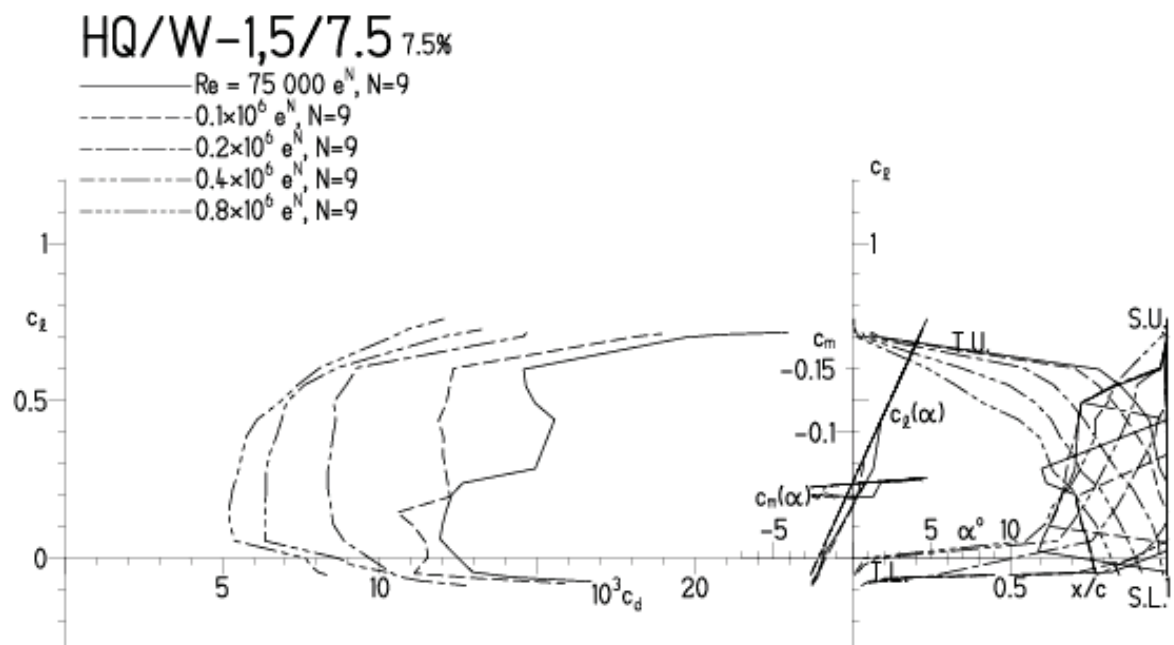
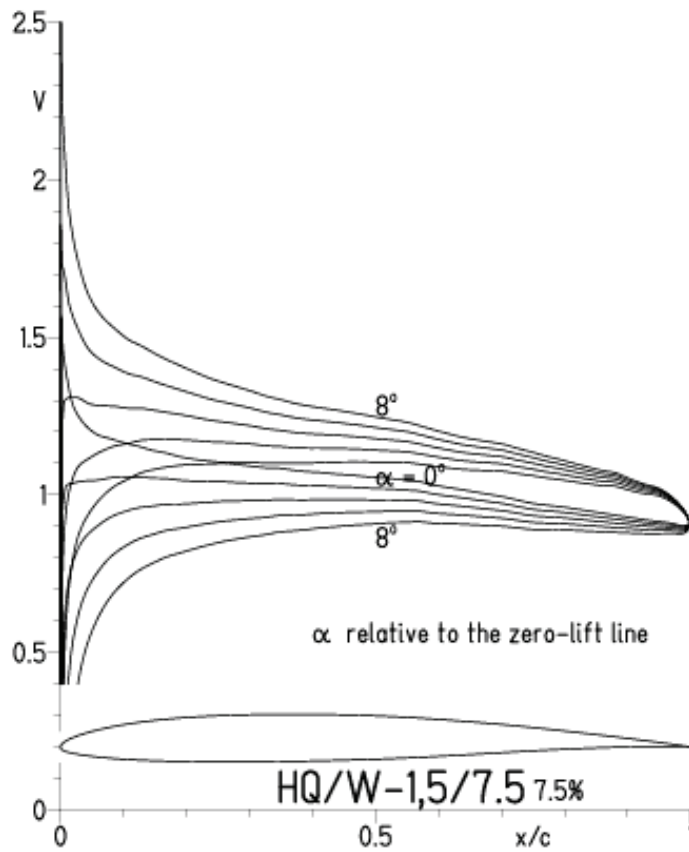


EPPLER 2005 V. 8.5.07 RUN 30.4.11 18:21

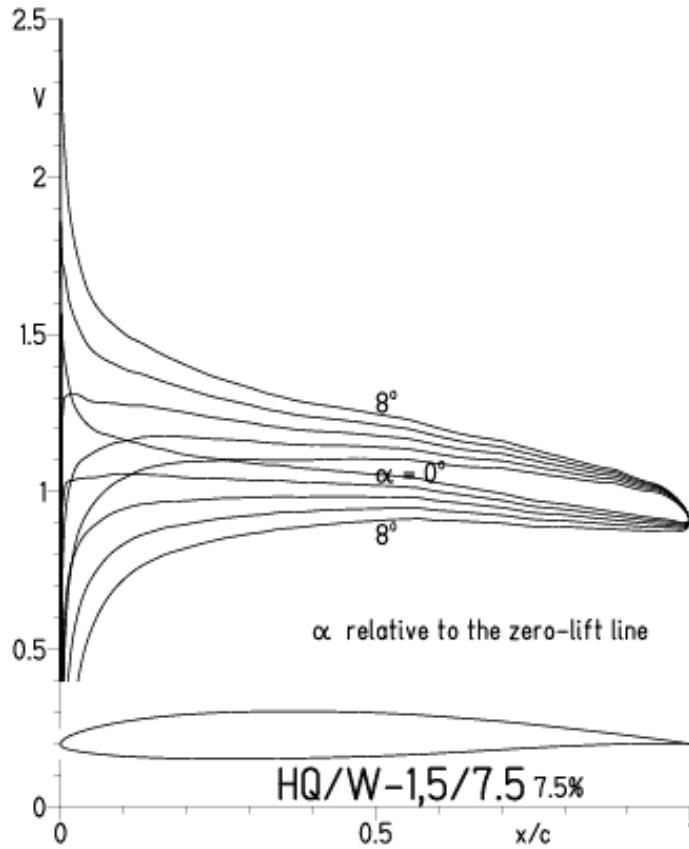
HQ/W-1,5/7,5 7.5%



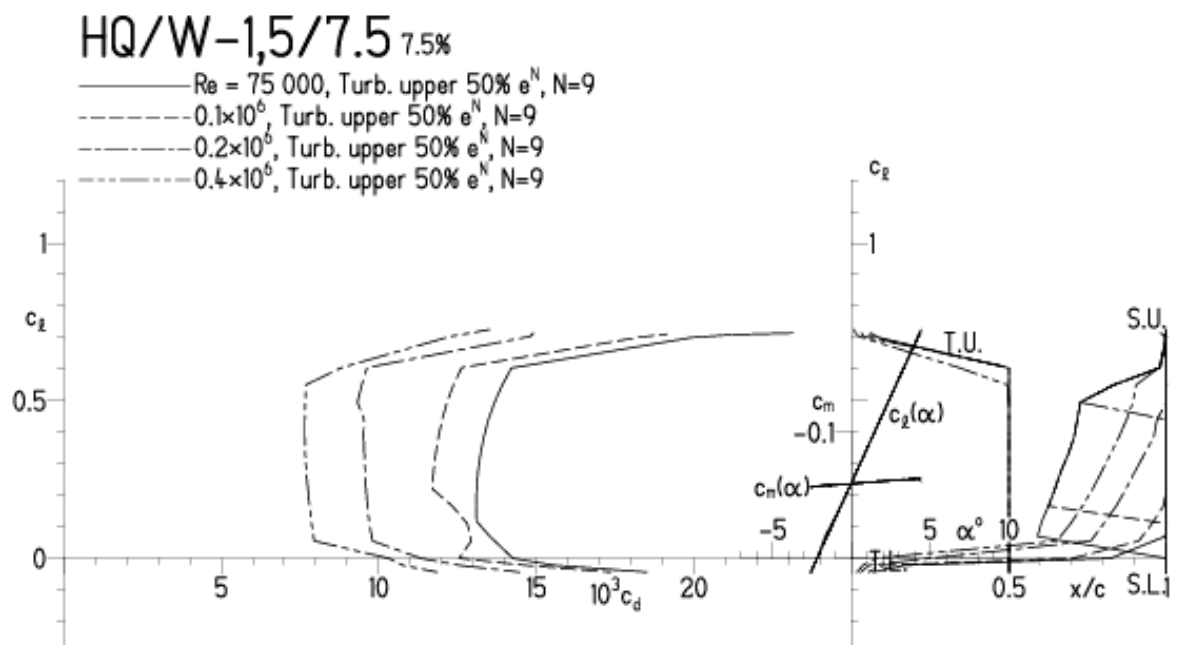
HQ/W-1,5/7,5, N=9



EPPLER 2005 V. 8.5.07 RUN 30.4.11 18:26

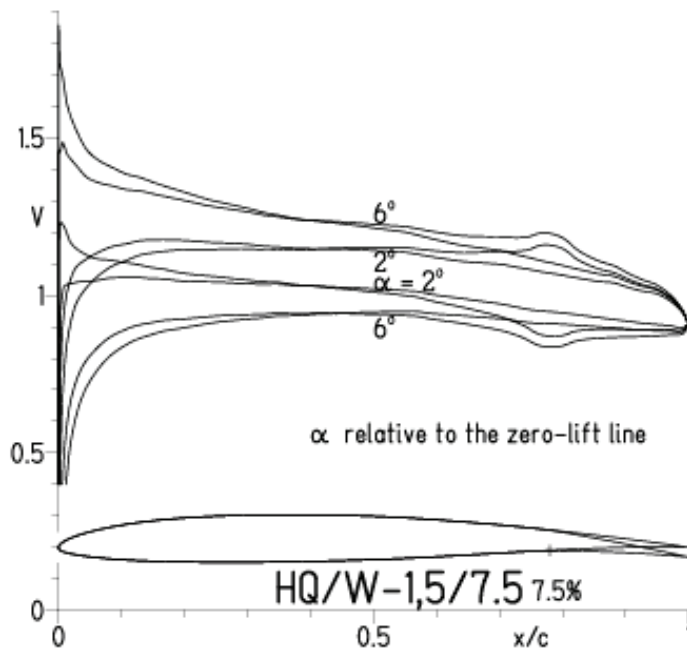


EPPLER 2005 V. 8.5.07 RUN 30.4.11 18:26

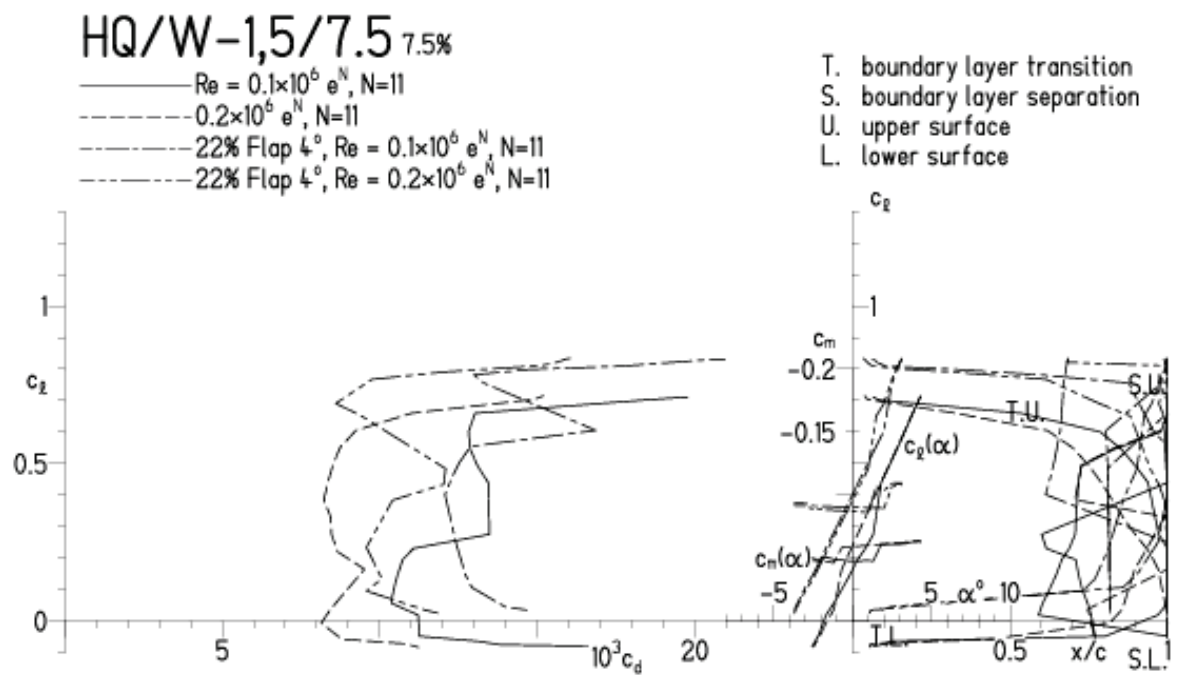


HQ/W-1,5/7,5, N=11, mit +4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:44

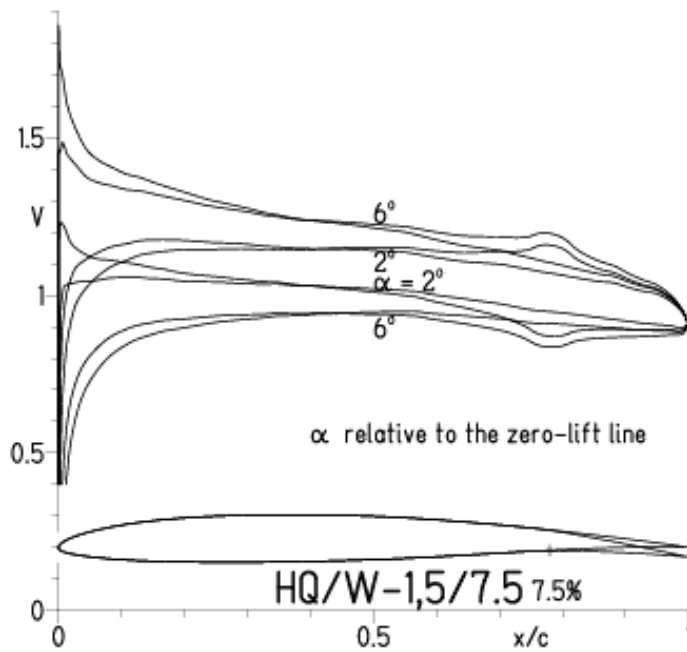


EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:44

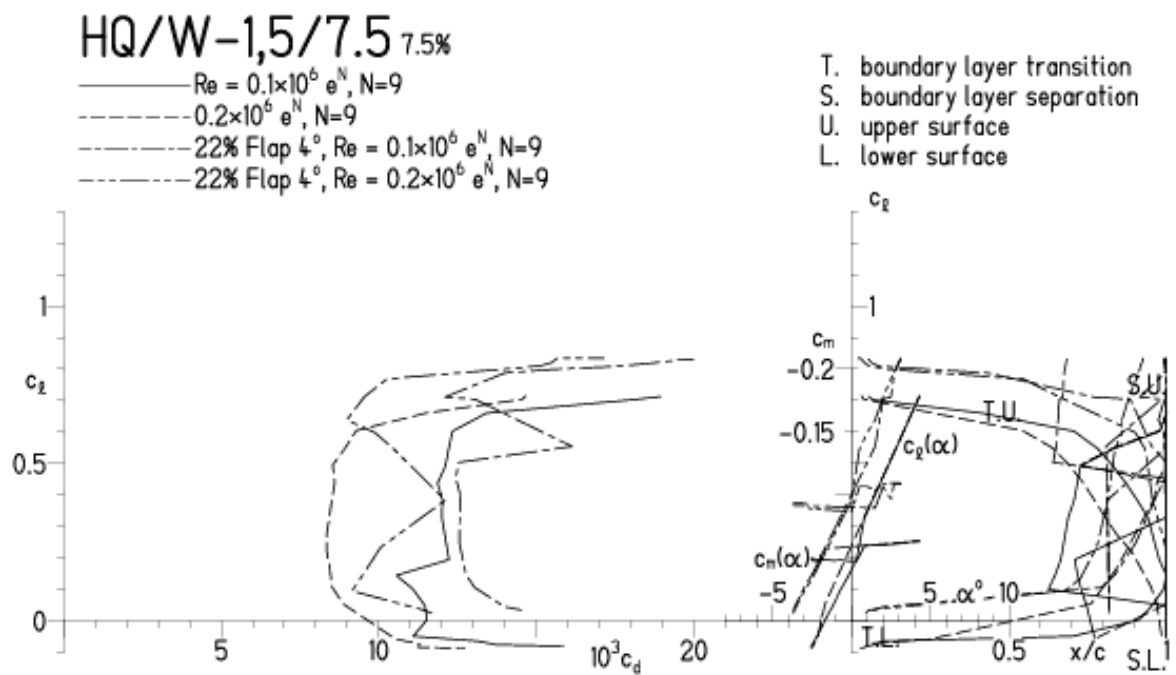


HQ/W-1,5/7,5, $N=9$, mit $+4^\circ$ Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:48

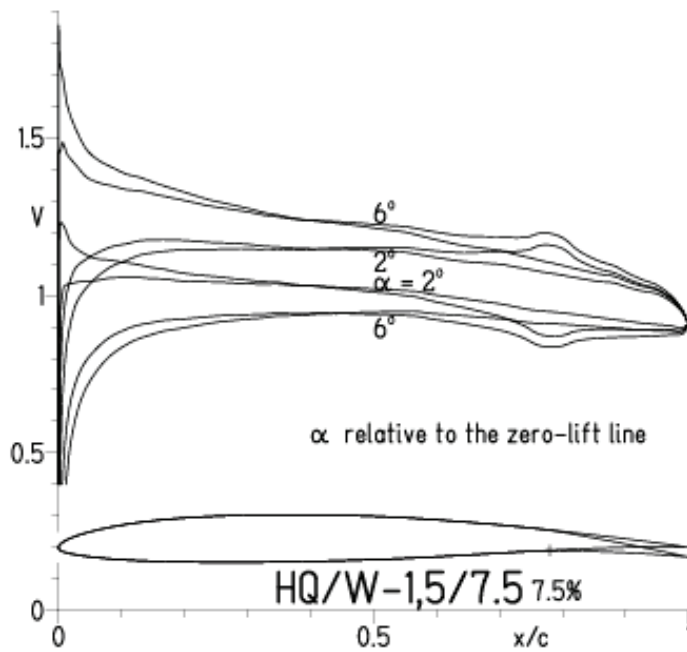


EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:48



HQ/W-1,5/7,5, $N=9$, mit $+4^\circ$ Wölbklappenausschlag, Turbulatoreffekt
(Verbesserungen für niedrige Geschwindigkeiten und Profiltiefen an Flügelenden)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:52

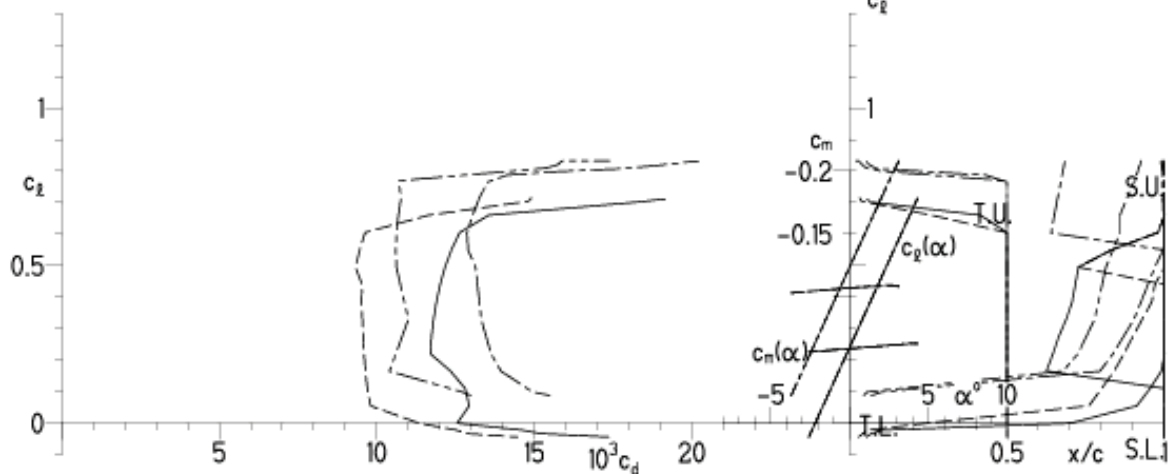


EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:52

HQ/W-1,5/7.5 7.5%

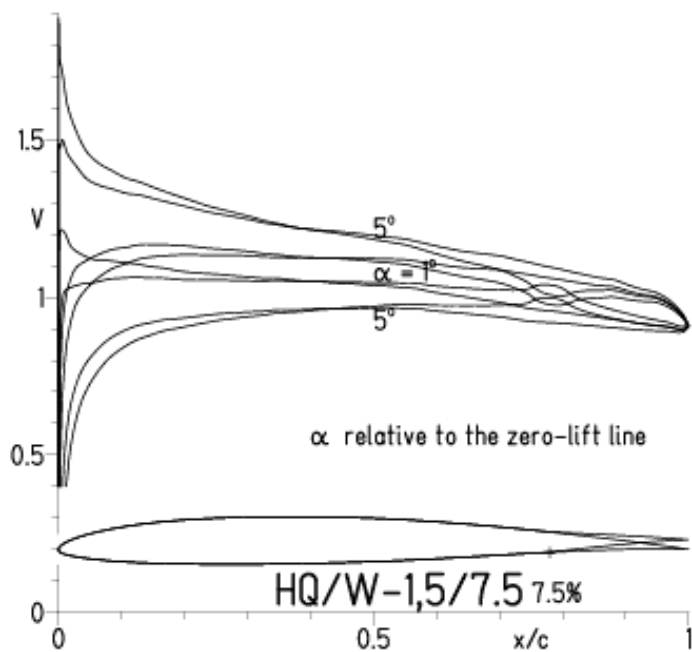
- $Re = 0.1 \times 10^6$, Turb. upper 50% e^N , $N=9$
- - - 0.2×10^6 , Turb. upper 50% e^N , $N=9$
- 22% Flap 4° , $Re = 0.1 \times 10^6$, Turb. upper 50% e^N , $N=9$
- - - 22% Flap 4° , $Re = 0.2 \times 10^6$, Turb. upper 50% e^N , $N=9$

- T. boundary layer transition
- S. boundary layer separation
- U. upper surface
- L. lower surface

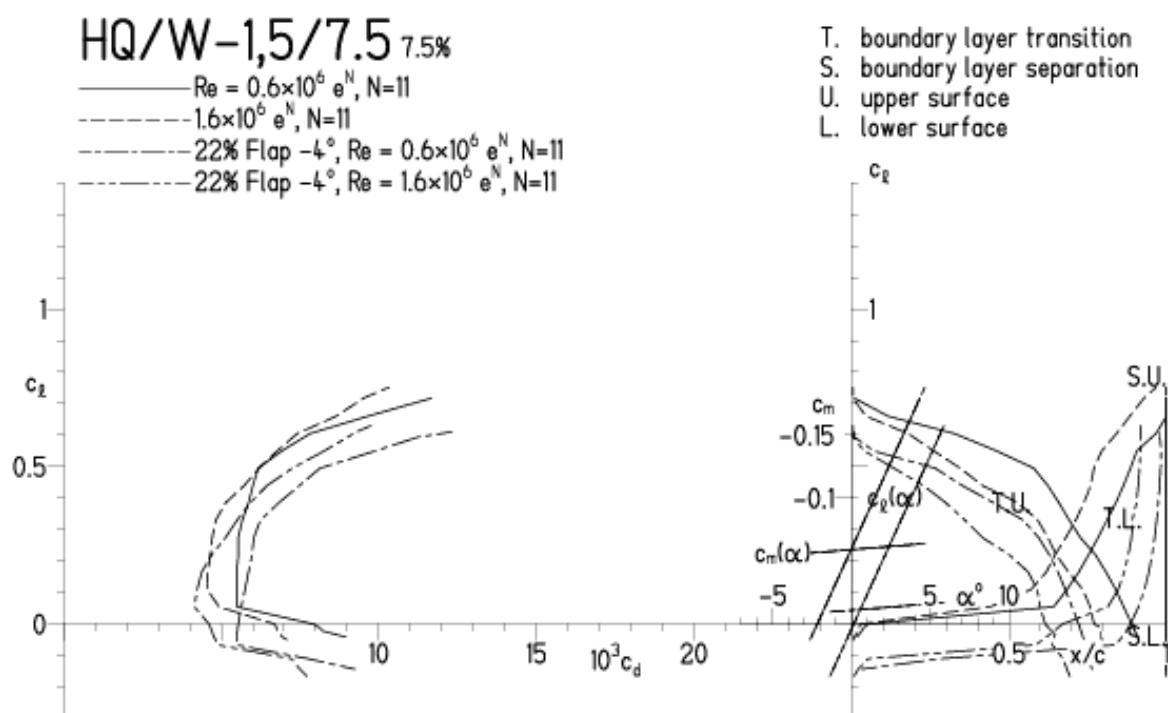


HQ/W-1,5/7,5, N=11, mit -4° Wölbklappenausschlag
 (Segelmodelle mit $> 50 \text{ g/dm}^2$ erreichen damit sicher über 300 km/h
 Höchstgeschwindigkeit)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:58

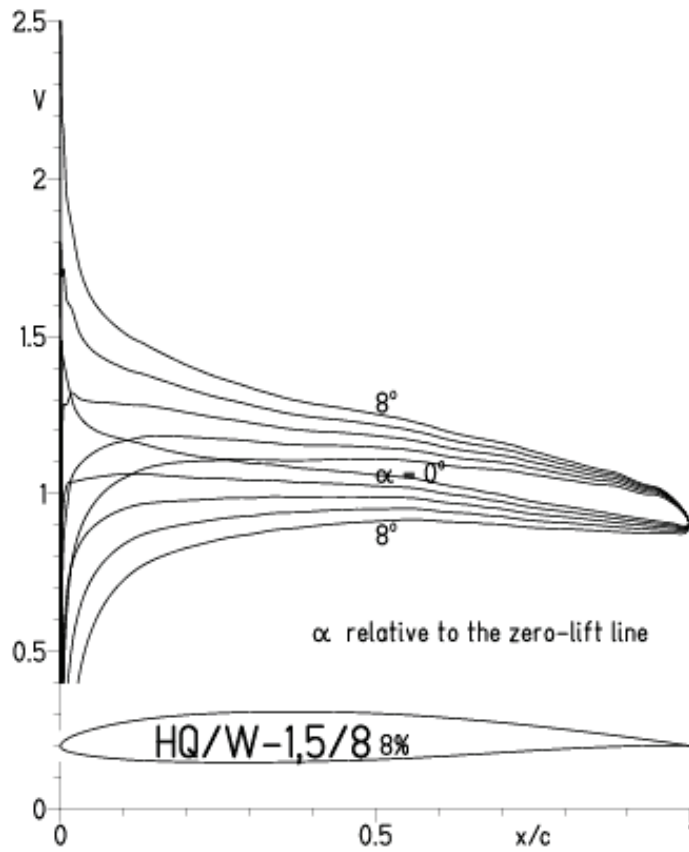


EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:58

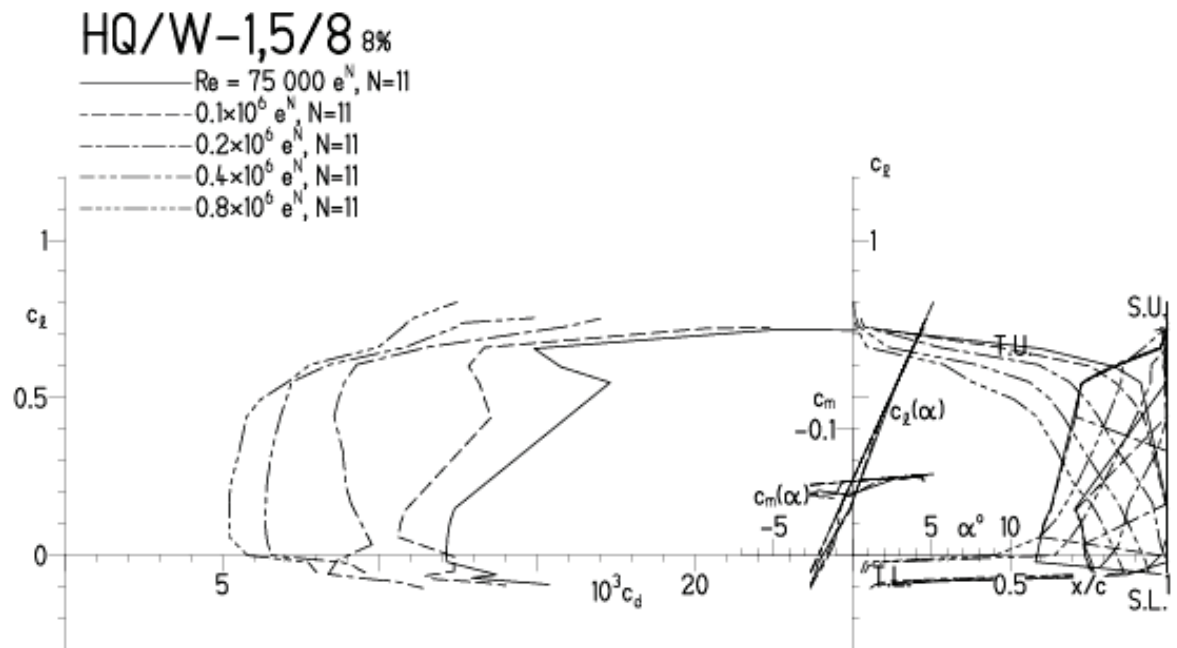


HQ/W-1,5/8, N=11

EPPLER 2005 V. 8.5.07 RUN 30.4.11 17:09

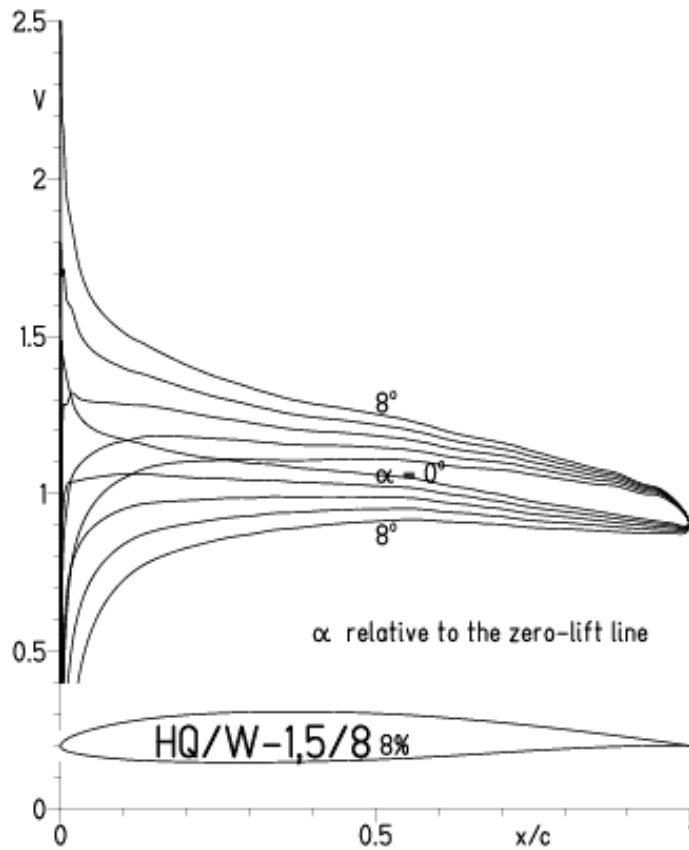


EPPLER 2005 V. 8.5.07 RUN 30.4.11 17:09

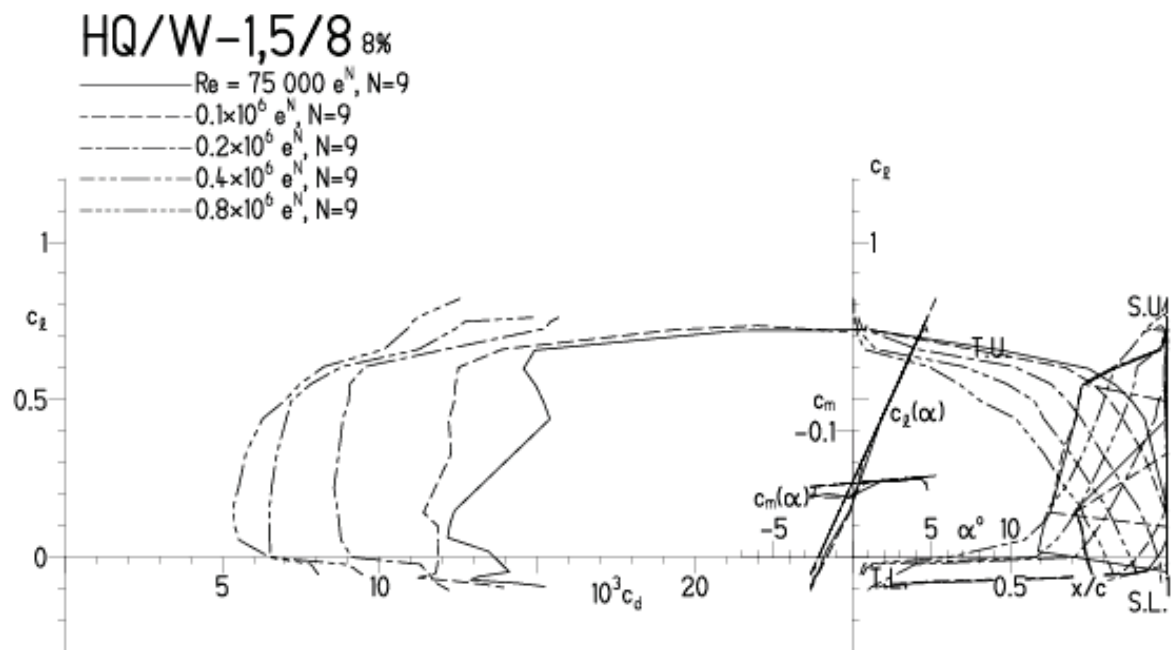


HQ/W-1,5/8, N=9

EPPLER 2005 V. 8.5.07 RUN 30.4.11 15:57

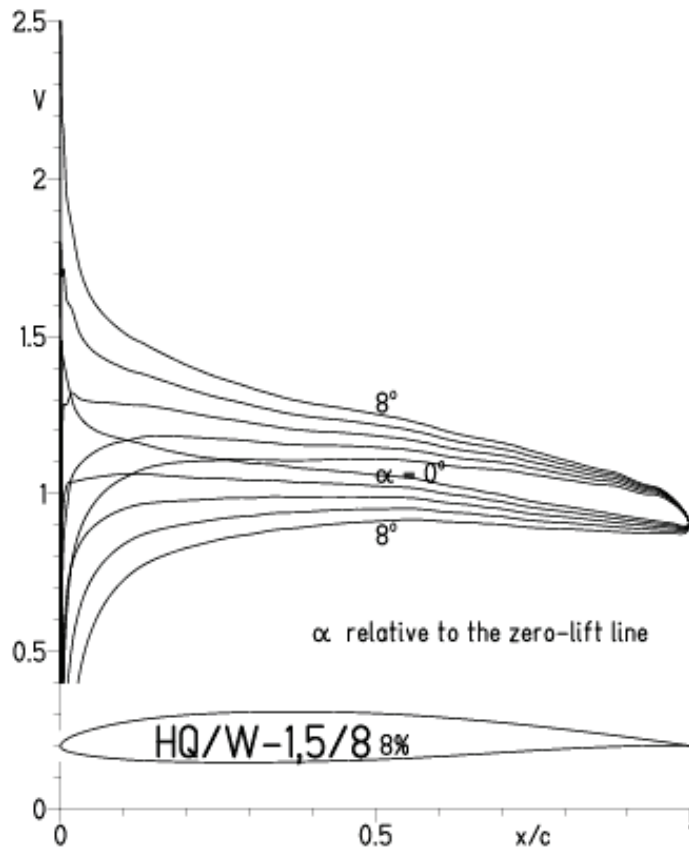


EPPLER 2005 V. 8.5.07 RUN 30.4.11 15:57



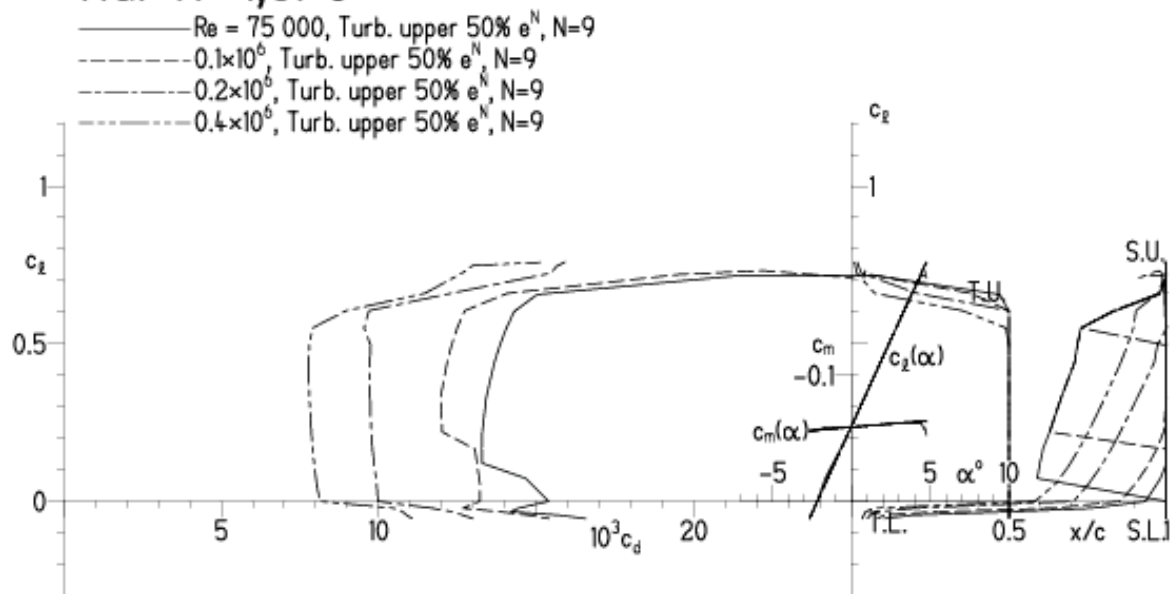
HQ/W-1,5/8, $N=9$, Turbulatoreffekt (optimal beim Maximum der Wölbung)

EPPLER 2005 V. 8.5.07 RUN 30.4.11 16:02



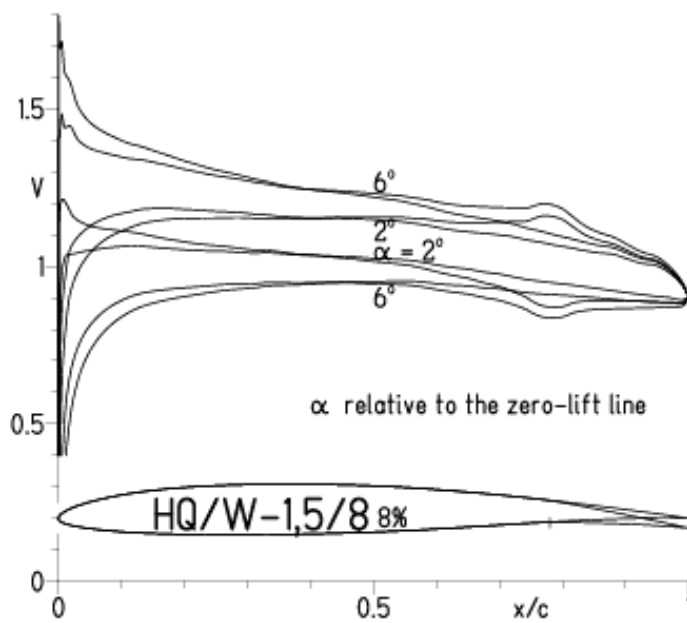
EPPLER 2005 V. 8.5.07 RUN 30.4.11 16:02

HQ/W-1,5/8 8%

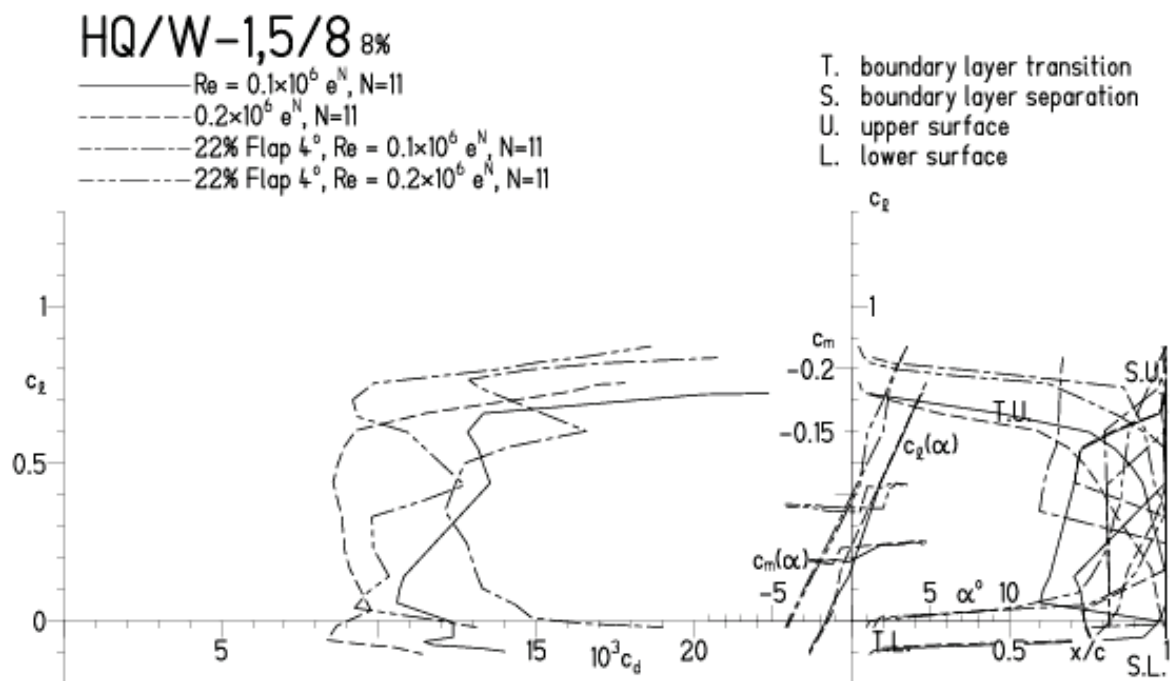


HQ/W-1,5/8, N=11, mit $+4^\circ$ Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:25

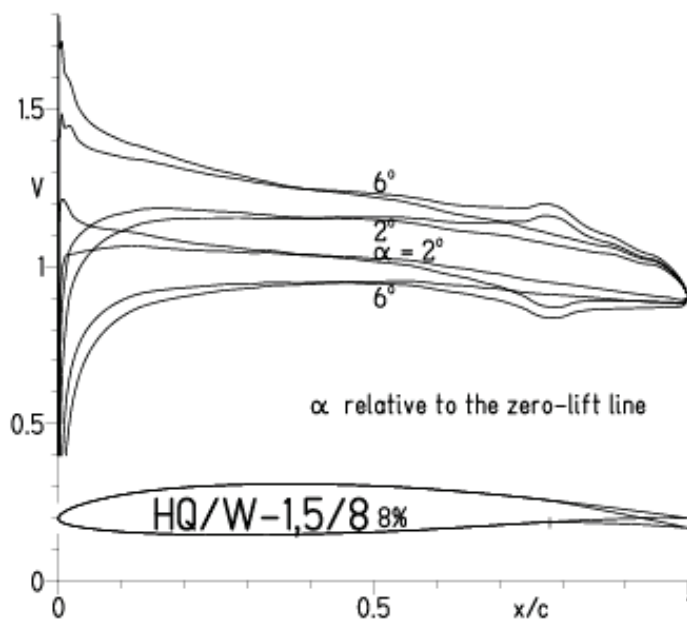


EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:25



HQ/W-1,5/8, $N=9$, mit $+4^\circ$ Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:30

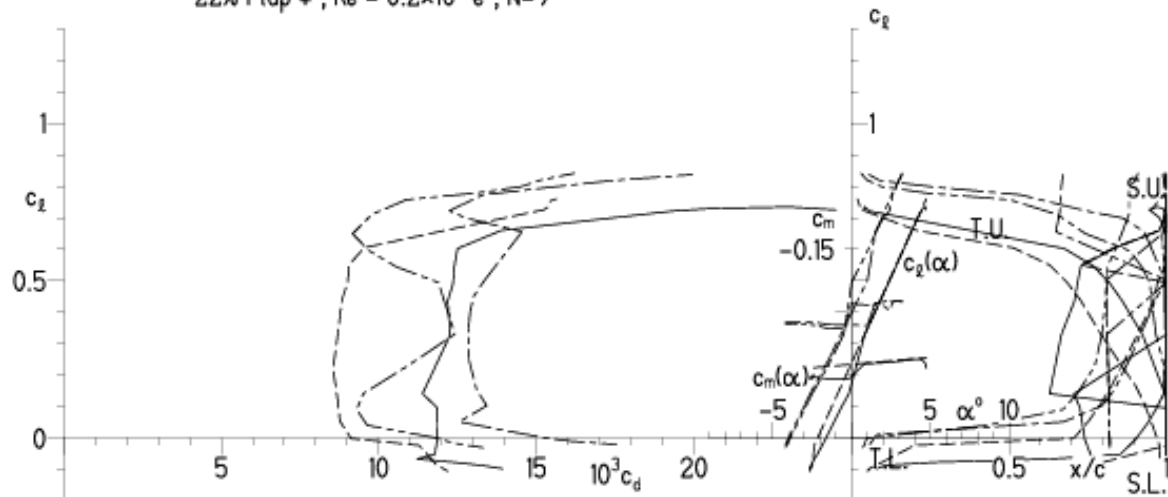


EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:30

HQ/W-1,5/8 8%

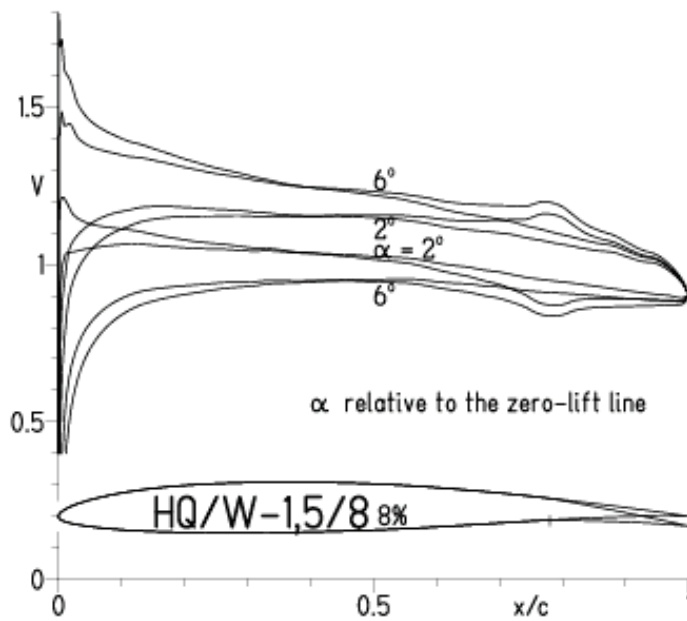
- $Re = 0.1 \times 10^6$ e^N, N=9
- - - 0.2×10^6 e^N, N=9
- - - 22% Flap 4° , $Re = 0.1 \times 10^6$ e^N, N=9
- - - 22% Flap 4° , $Re = 0.2 \times 10^6$ e^N, N=9

- T. boundary layer transition
- S. boundary layer separation
- U. upper surface
- L. lower surface



HQ/W-1,5/8, N=9, mit $+4^\circ$ Wölbklappenausschlag, Turbulatoreffekt
(Verbesserungen für niedrige Geschwindigkeiten und Profiltiefen an Flügelenden)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:35

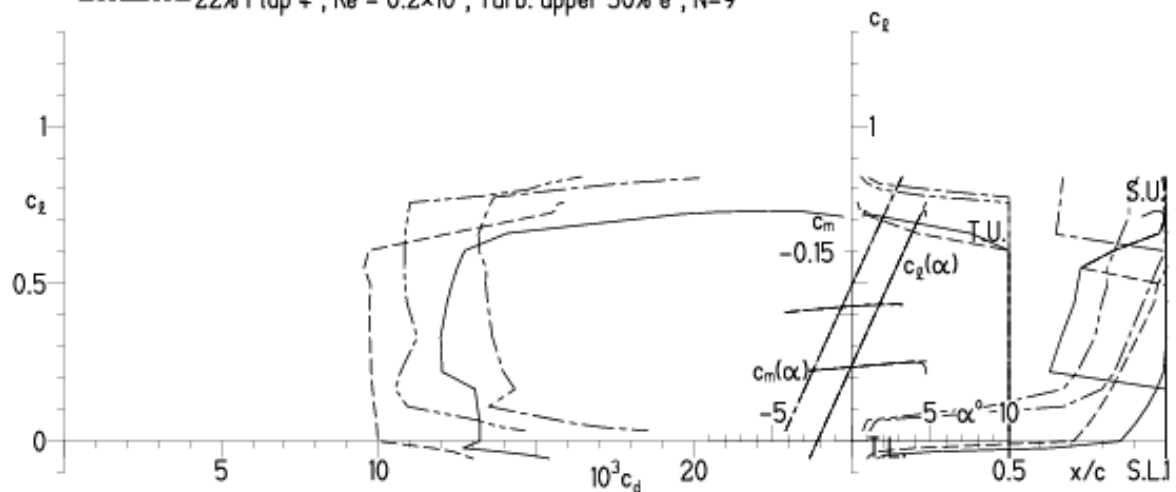


EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:35

HQ/W-1,5/8 8%

- $Re = 0.1 \times 10^6$, Turb. upper 50% e^N , $N=9$
- - - 0.2×10^6 , Turb. upper 50% e^N , $N=9$
- - - 22% Flap 4° , $Re = 0.1 \times 10^6$, Turb. upper 50% e^N , $N=9$
- - - 22% Flap 4° , $Re = 0.2 \times 10^6$, Turb. upper 50% e^N , $N=9$

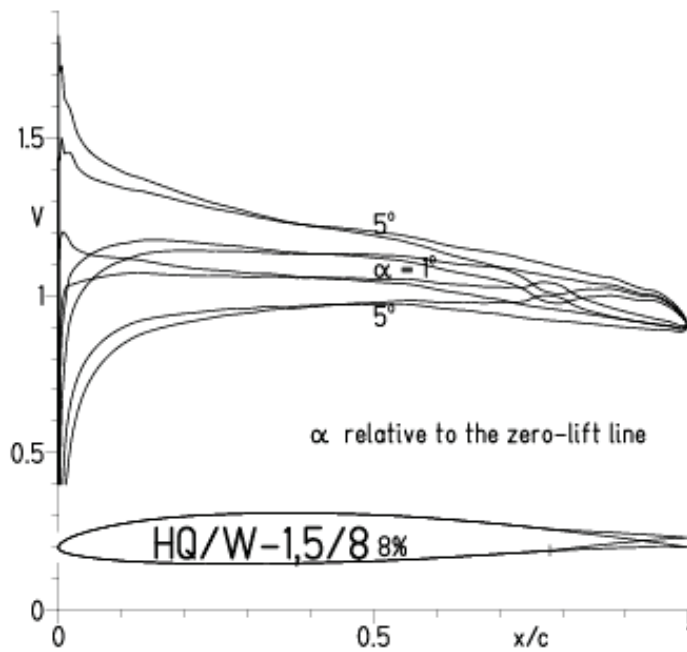
- T. boundary layer transition
- S. boundary layer separation
- U. upper surface
- L. lower surface



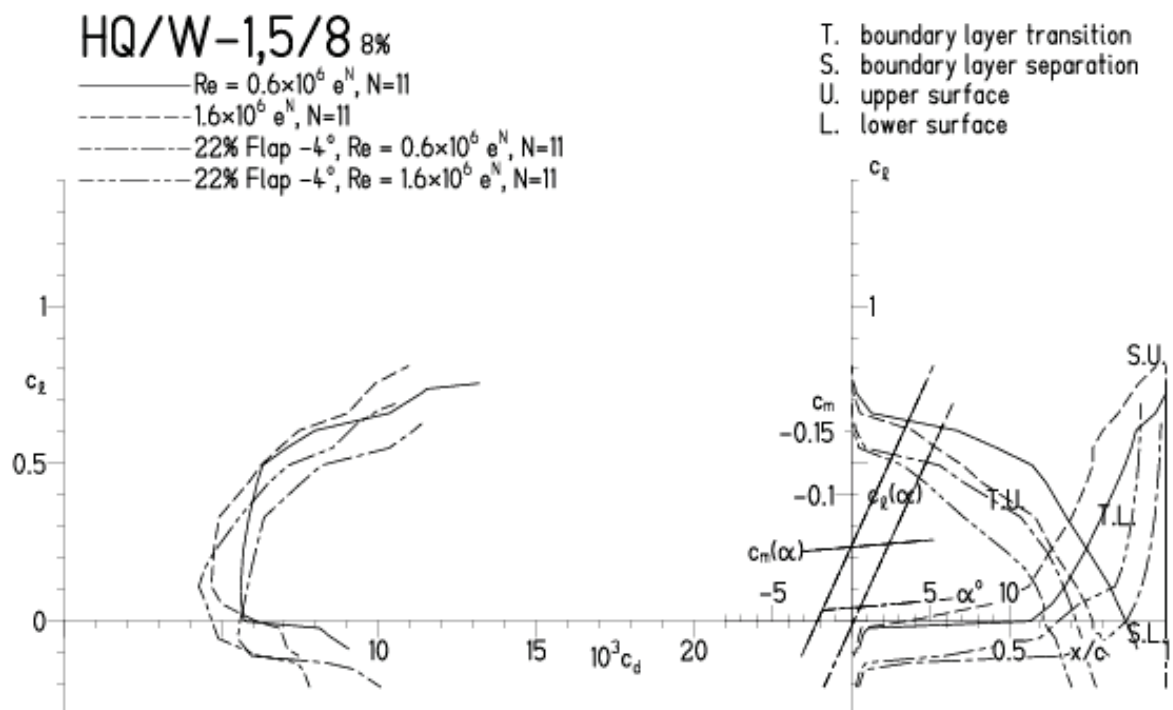
HQ/W-1,5/8, $N=11$, mit -4° Wölbklappenausschlag

(Segelmodelle mit $> 50 \text{ g/dm}^2$ erreichen damit gut über 300 km/h Höchstgeschwindigkeit)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:40

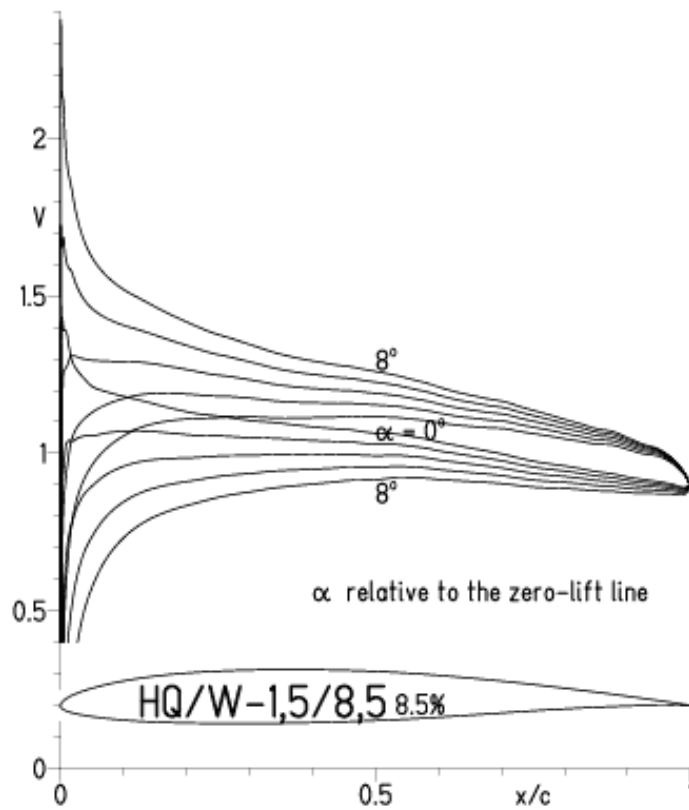


EPPLER 2005 V. 8.5.07 RUN 5.5.11 18:40

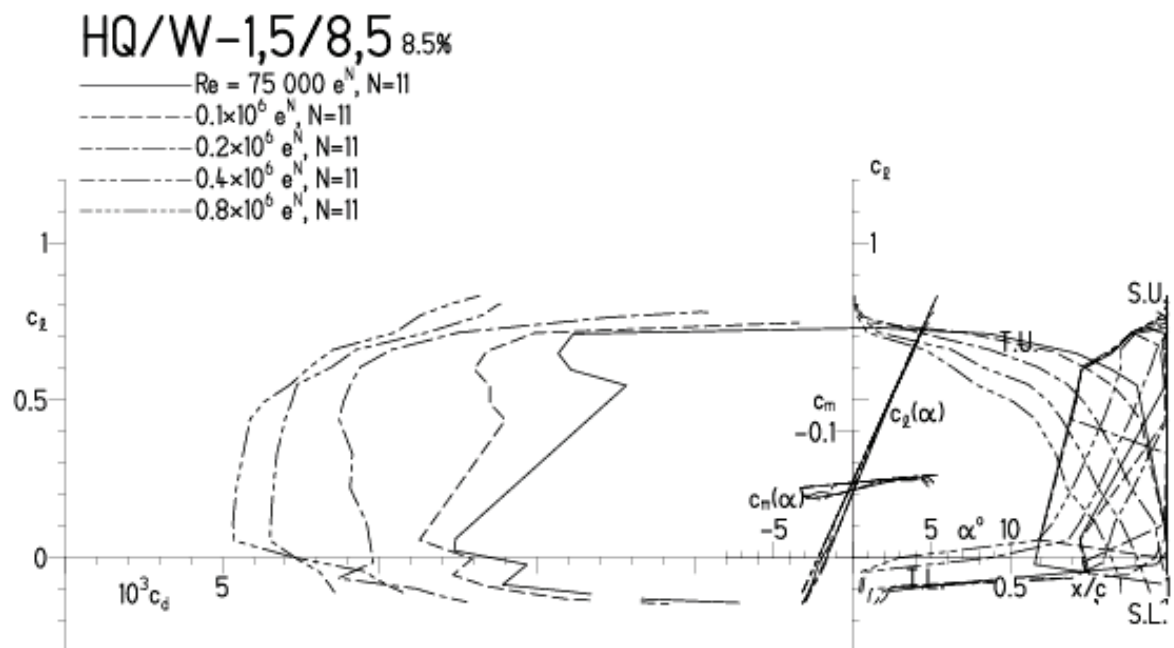


HQ/W-1,5/8,5, N=11

EPPLER 2005 V. 8.5.07 RUN 15.11 11:41

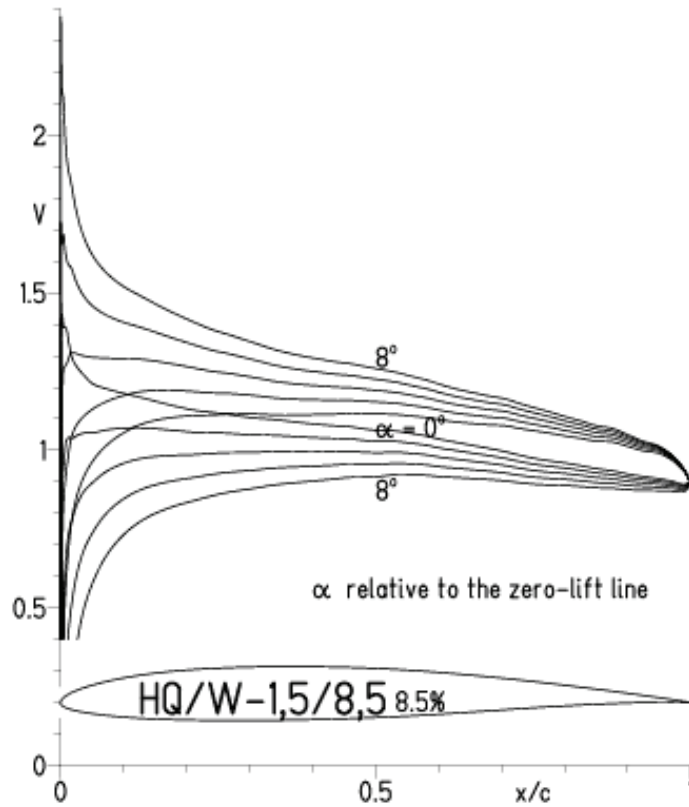


EPPLER 2005 V. 8.5.07 RUN 15.11 11:41

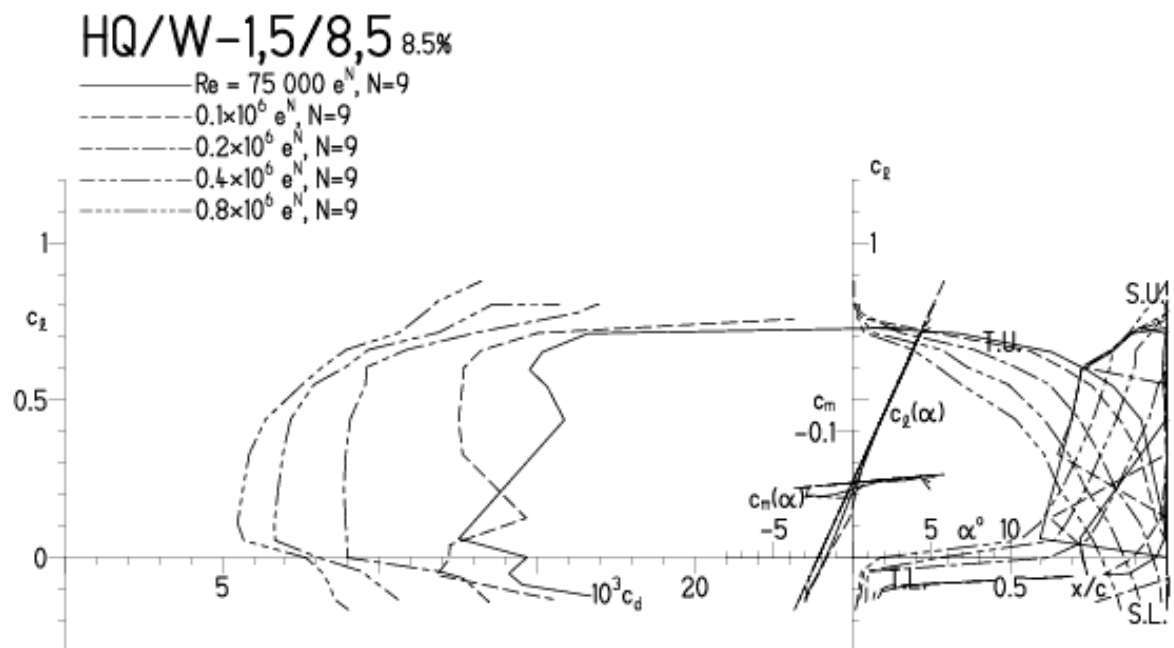


HQ/W-1,5/8,5, N=9

EPPLER 2005 V. 8.5.07 RUN 1.5.11 11:59

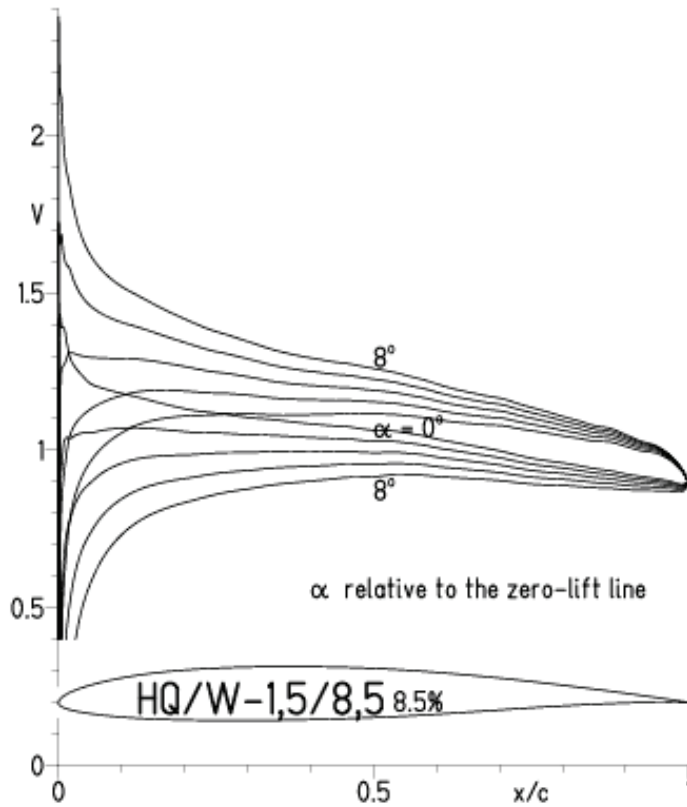


EPPLER 2005 V. 8.5.07 RUN 1.5.11 11:59

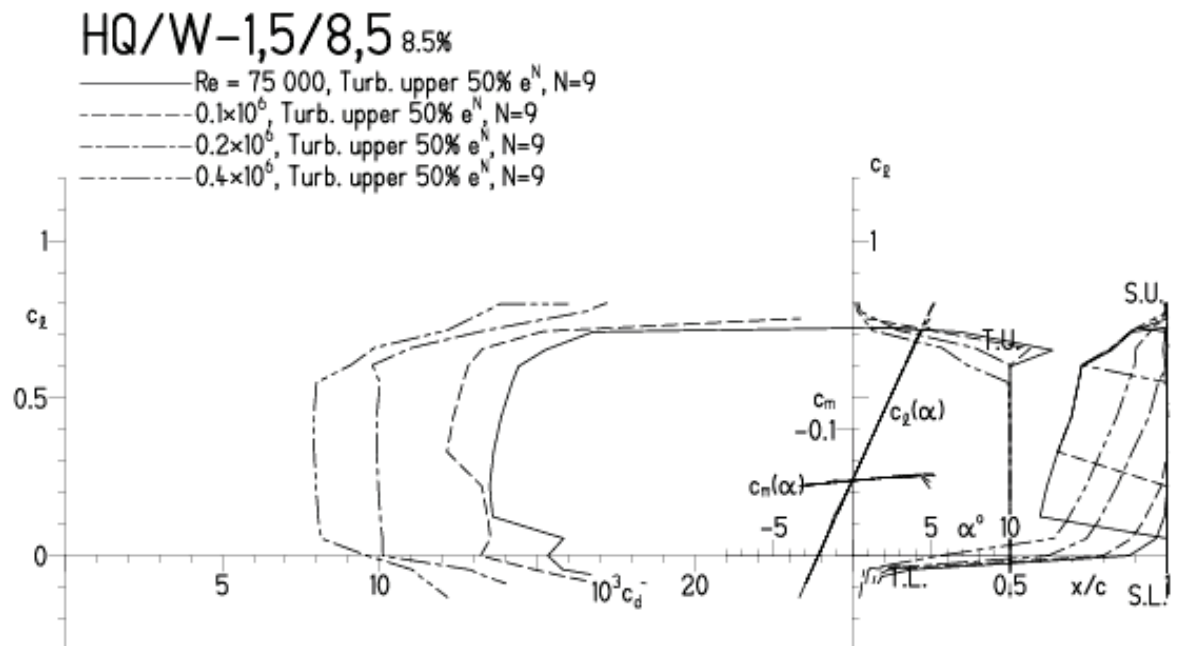


HQ/W-1,5/8,5, $N=9$, Turbulatoreffekt (optimal beim Maximum der Wölbung)

EPPLER 2005 V. 8.5.07 RUN 1.5.11 12:03

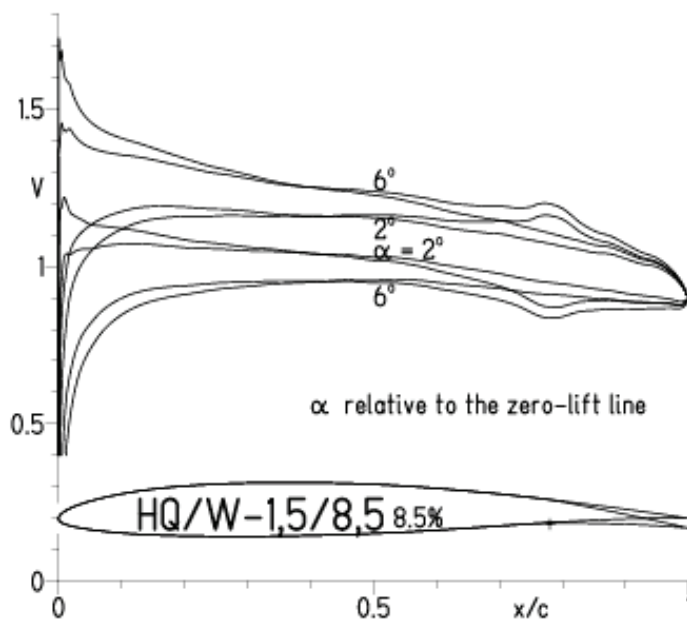


EPPLER 2005 V. 8.5.07 RUN 1.5.11 12:03

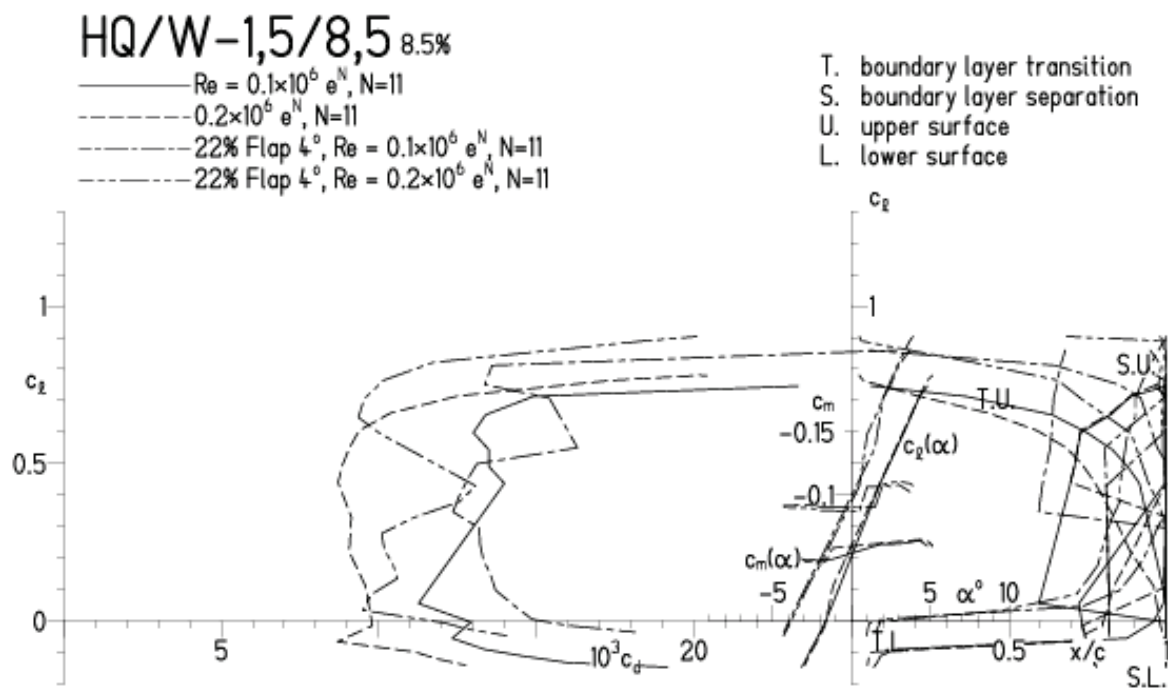


HQ/W-1,5/8,5, $N=11$, mit $+4^\circ$ Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:03

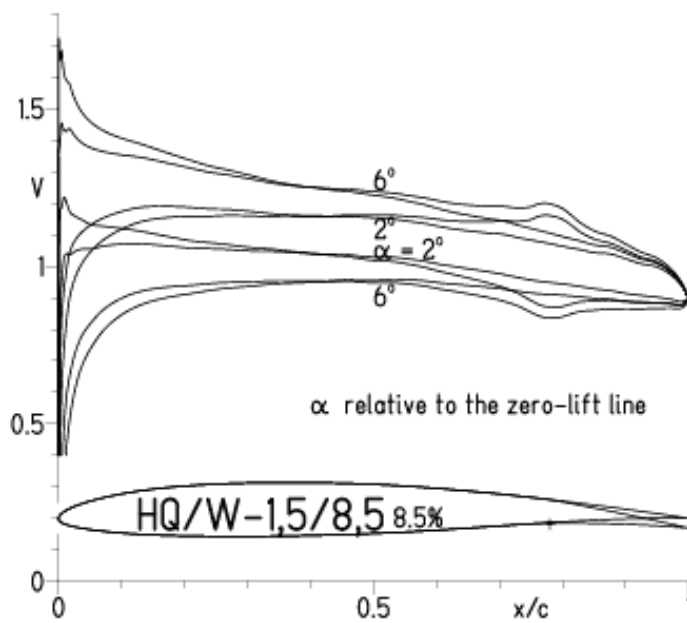


EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:03

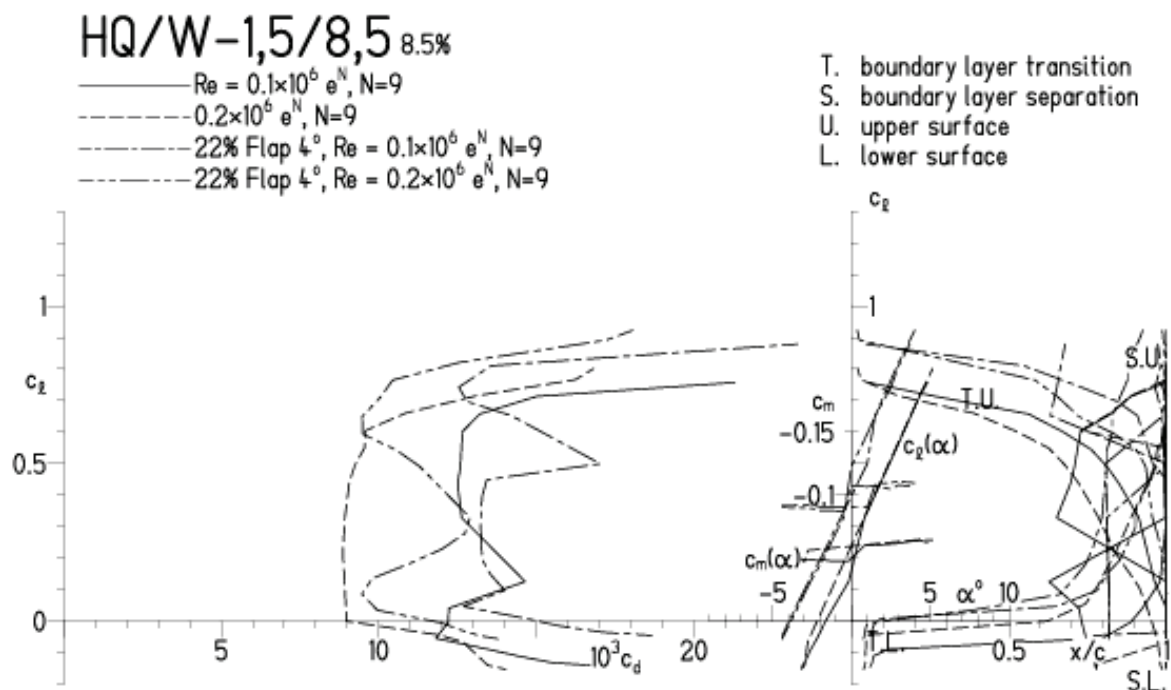


HQ/W-1,5/8,5, N=9, mit $+4^\circ$ Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:07

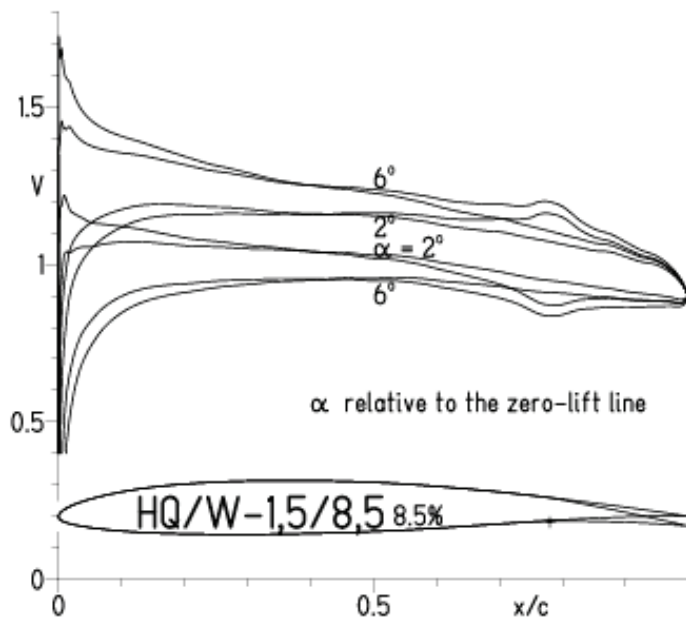


EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:07



HQ/W-1,5/8,5, N=9, mit $+4^\circ$ Wölbklappenausschlag, Turbulatoreffekt
(Verbesserungen für niedrige Geschwindigkeiten und Profiltiefen an Flügelenden)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:10

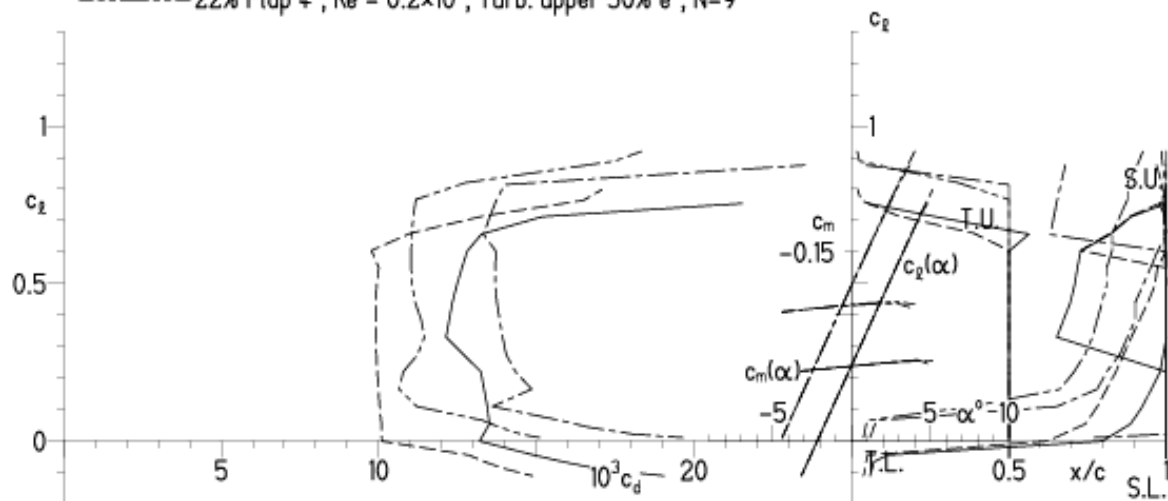


EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:10

HQ/W-1,5/8,5 8.5%

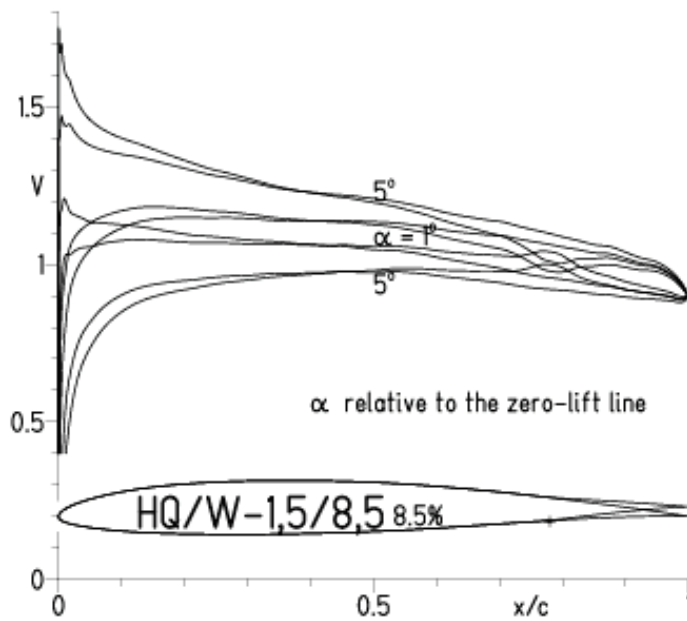
- $Re = 0.1 \times 10^6$, Turb. upper 50% e^N , $N=9$
- - - 0.2×10^6 , Turb. upper 50% e^N , $N=9$
- 22% Flap 4° , $Re = 0.1 \times 10^6$, Turb. upper 50% e^N , $N=9$
- - - 22% Flap 4° , $Re = 0.2 \times 10^6$, Turb. upper 50% e^N , $N=9$

- T. boundary layer transition
- S. boundary layer separation
- U. upper surface
- L. lower surface

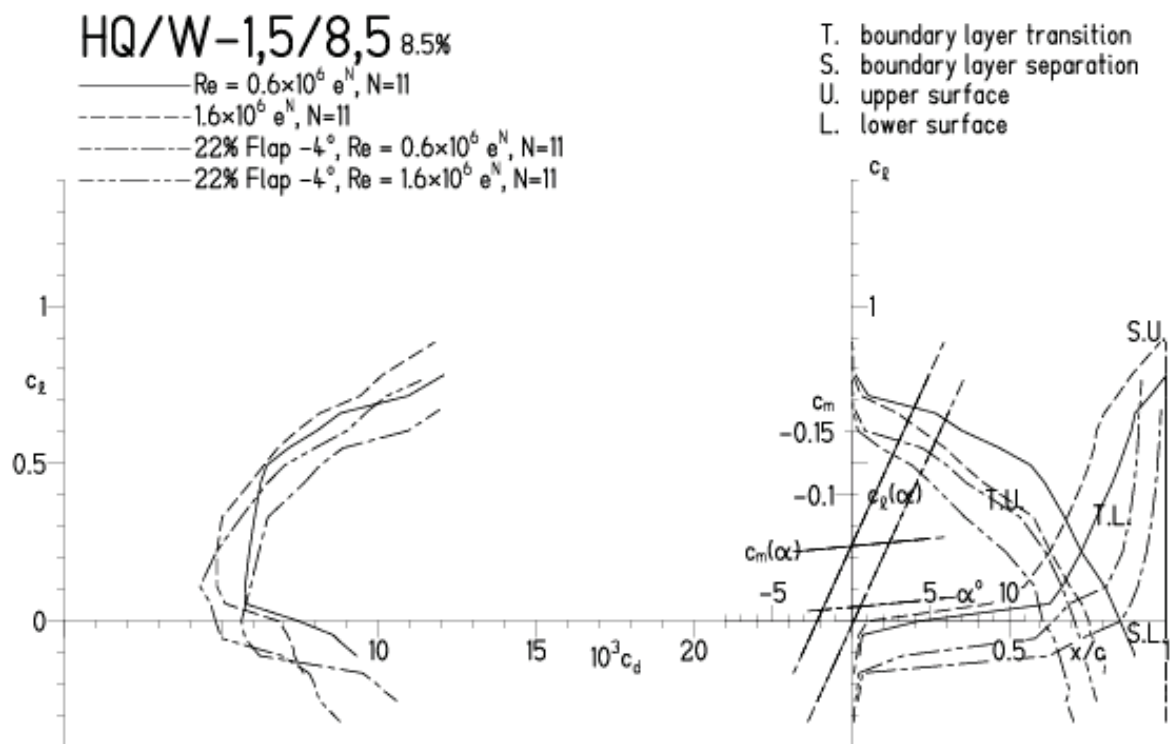


HQ/W-1,5/8,5, $N=11$, mit -4° Wölbklappenausschlag
 (Segelflugmodelle mit $> 50 \text{ g/dm}^2$ erreichen damit gut über 300 km/h
 Höchstgeschwindigkeit)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:13

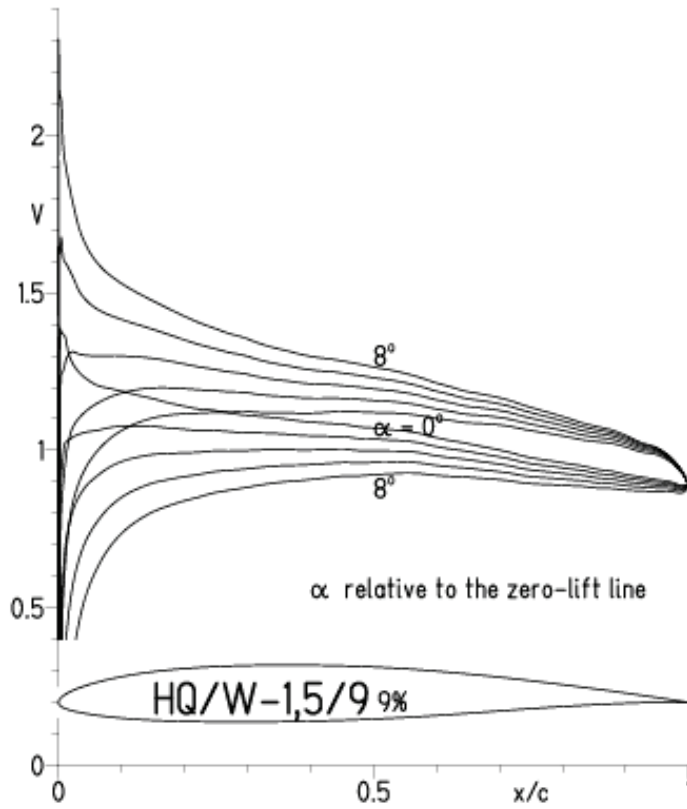


EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:13

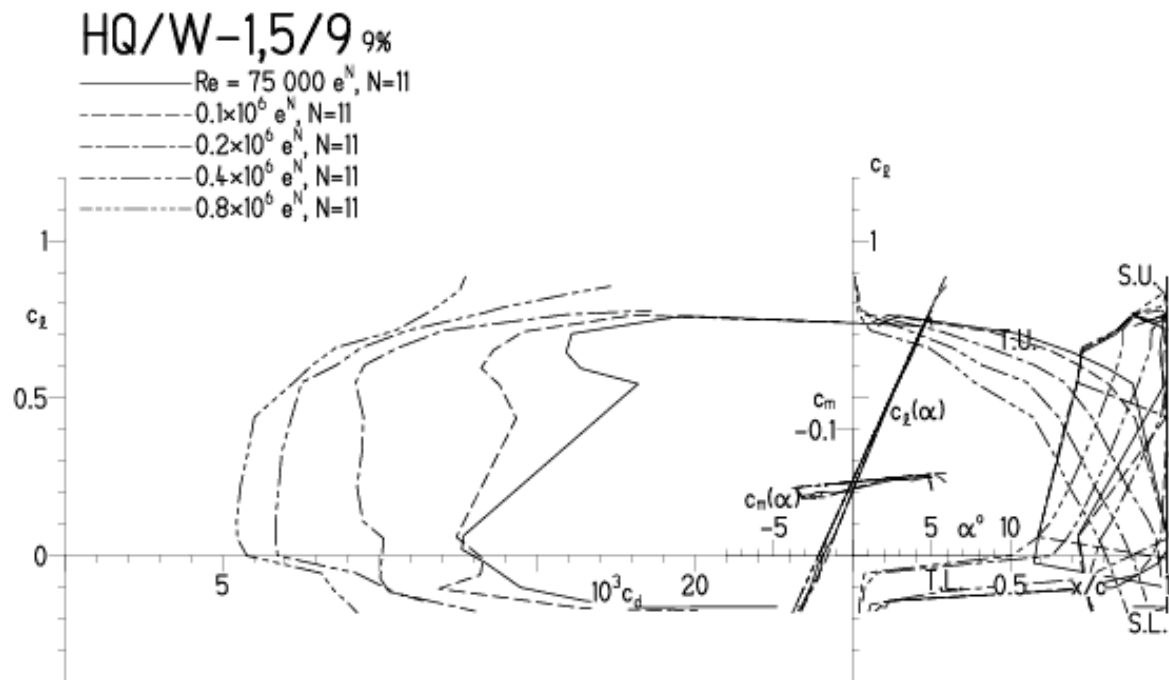


HQ/W-1,5/9, N=11

EPPLER 2005 V. 8.5.07 RUN 2.5.11 11:45

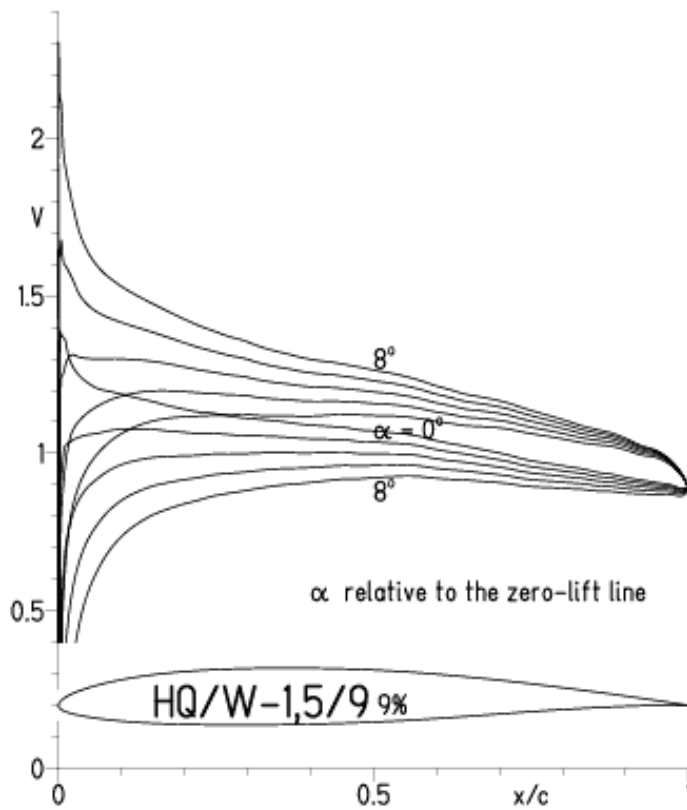


EPPLER 2005 V. 8.5.07 RUN 2.5.11 11:45

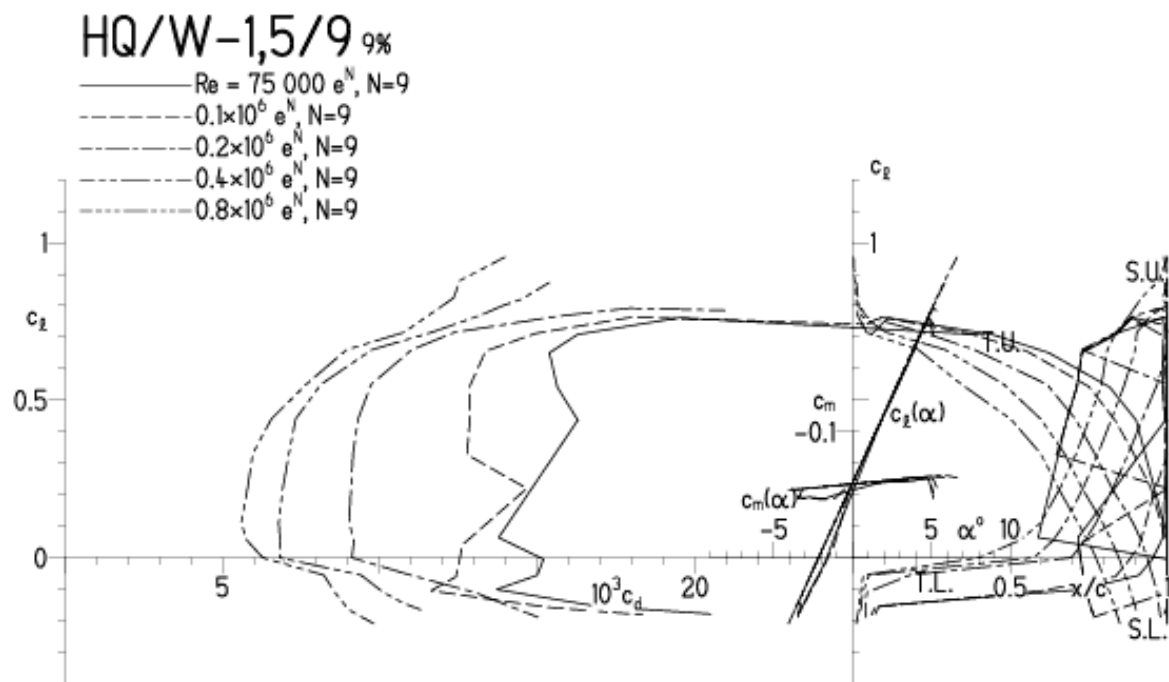


HQ/W-1,5/9, $N=9$

EPPLER 2005 V. 8.5.07 RUN 2.5.11 12:17

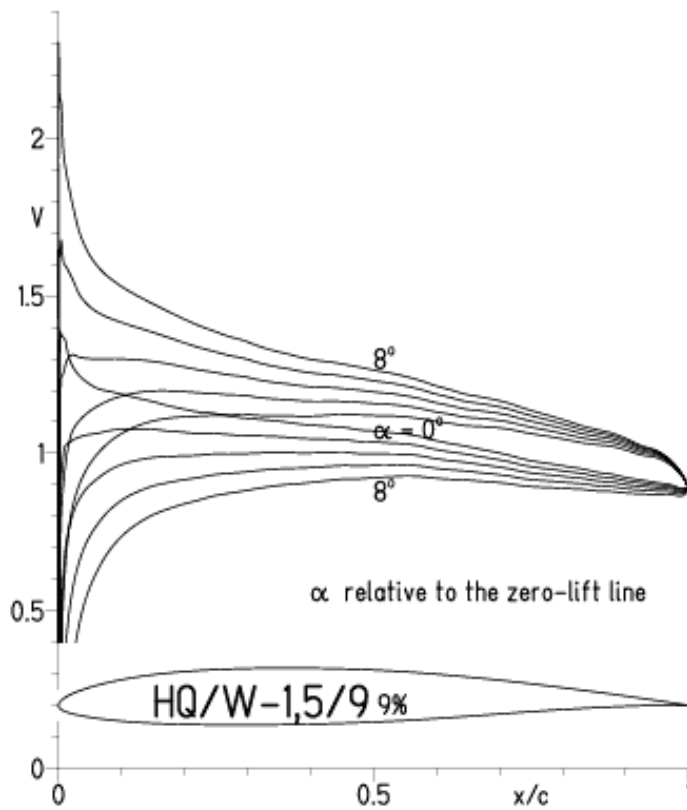


EPPLER 2005 V. 8.5.07 RUN 2.5.11 12:17

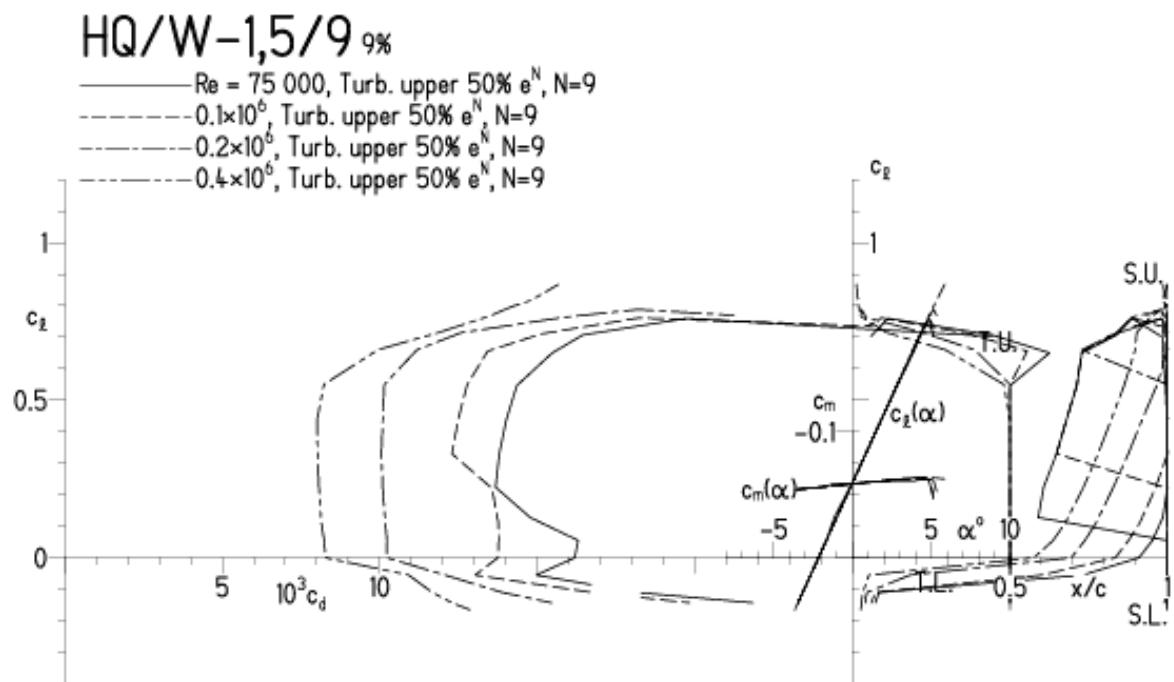


HQ/W-1,5/9, N=9, Turbulatoreffekt (optimal beim Maximum der Wölbung)

EPPLER 2005 V. 8.5.07 RUN 2.5.11 12:21

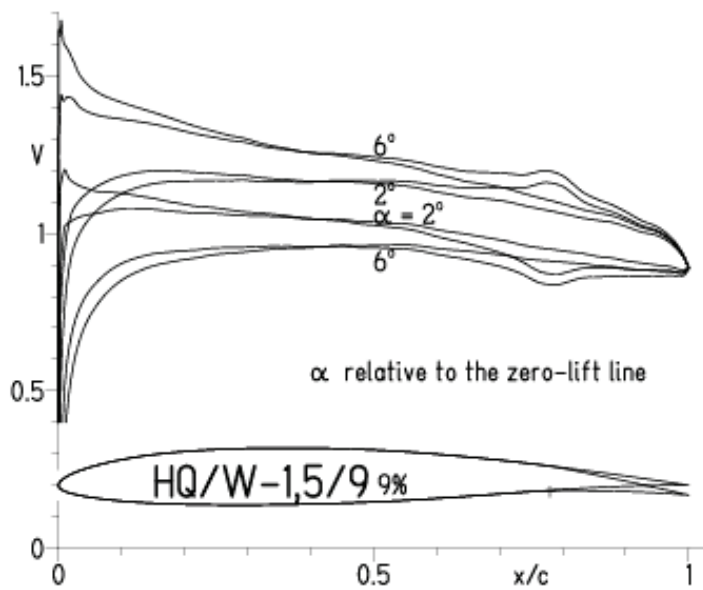


EPPLER 2005 V. 8.5.07 RUN 2.5.11 12:21

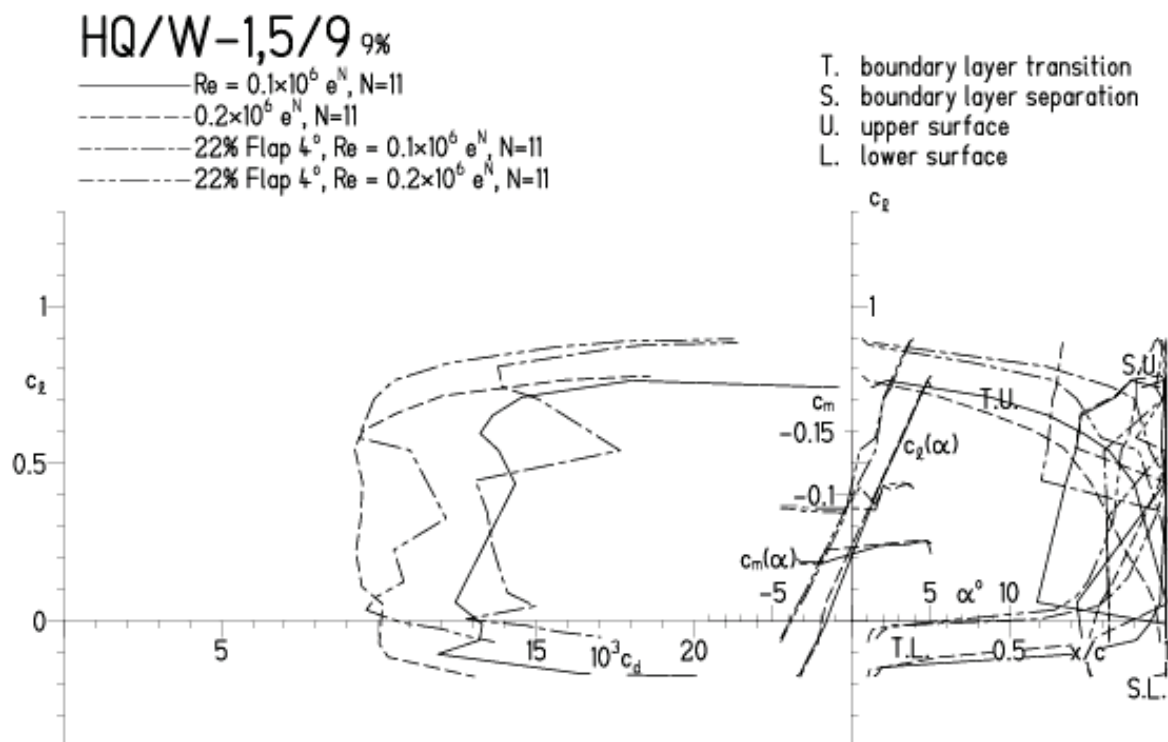


HQ/W-1,5/9, $N=11$, mit $+4^\circ$ Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:53

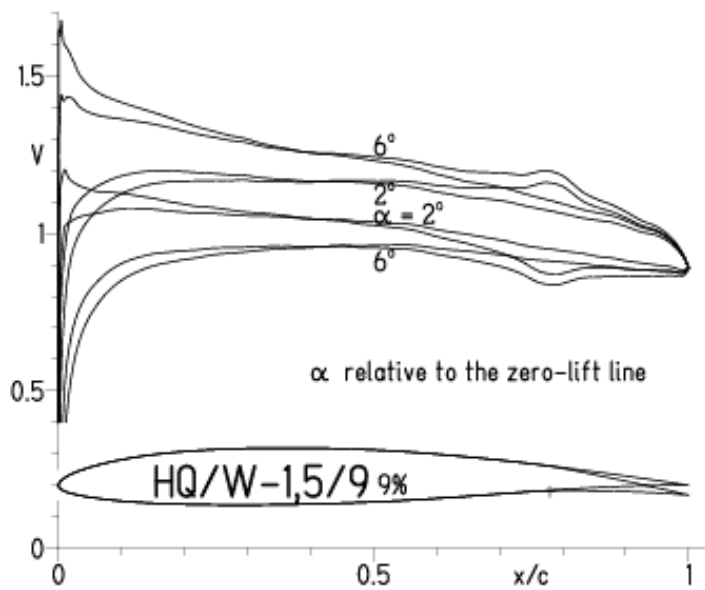


EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:5

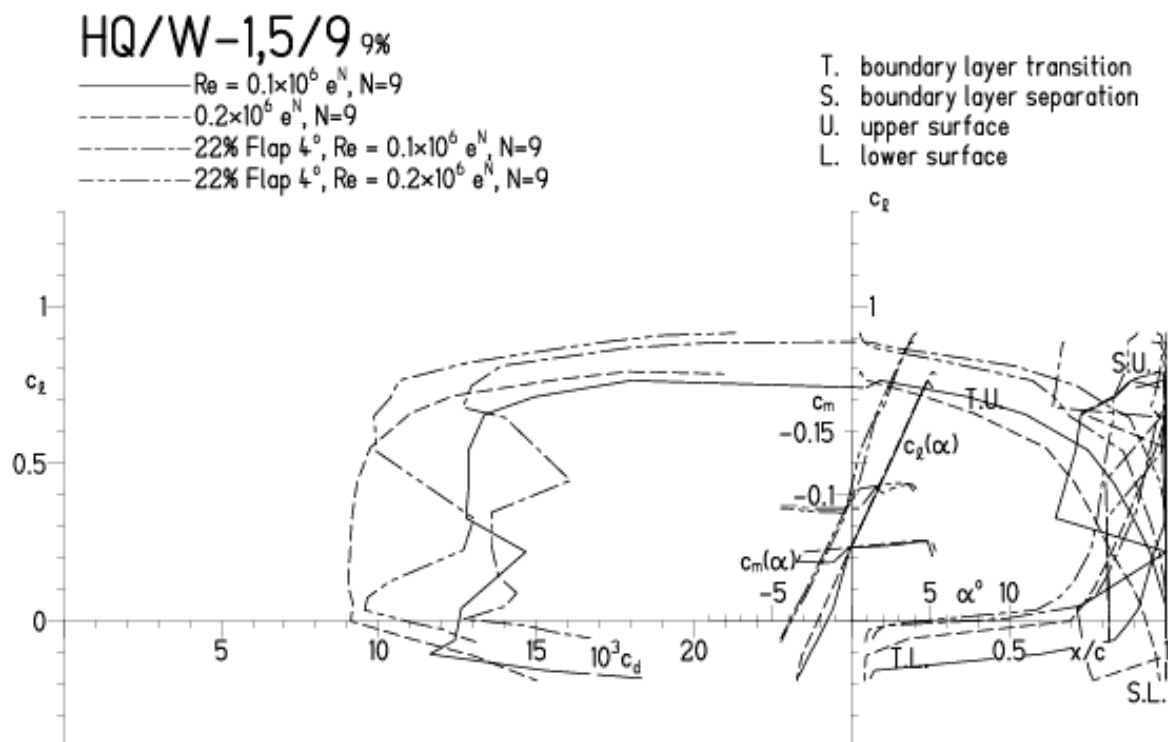


HQ/W-1,5/9, N=9, mit $+4^\circ$ Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:56

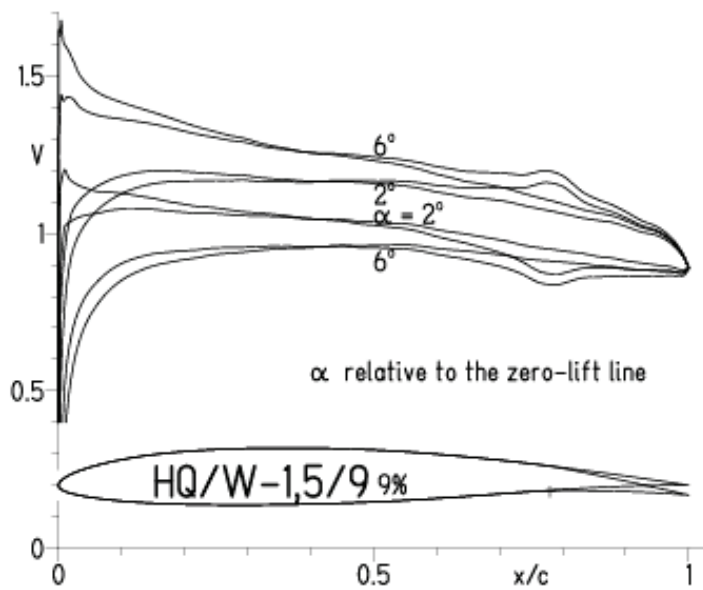


EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:56



HQ/W-1,5/9, N=9, mit $+4^\circ$ Wölbklappenausschlag, Turbulatoreffekt
 (Verbesserungen für niedrige Geschwindigkeiten und Profiltiefen an Flügelenden)

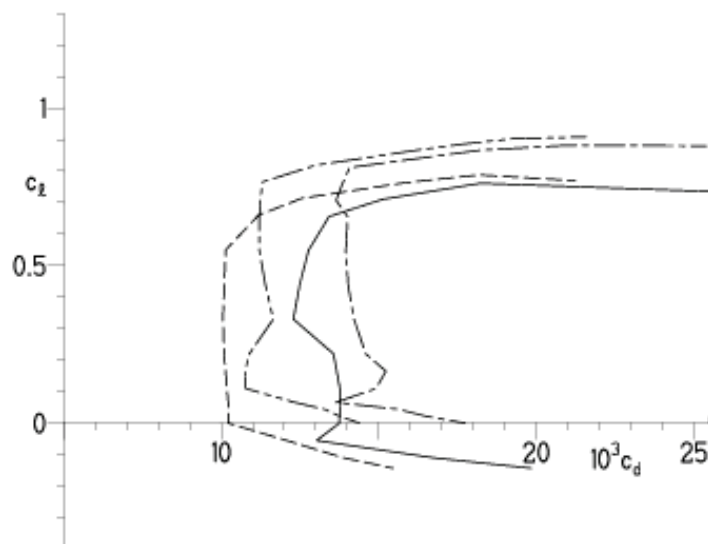
EPPLER 2005 V. 8.5.07 RUN 5.5.11 19:59



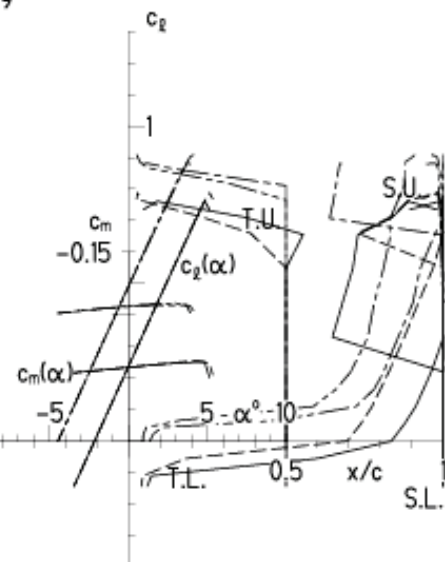
EPPLER 2005 V

HQ/W-1,5/9 9%

- $Re = 0.1 \times 10^6$, Turb. upper 50% e^N , $N=9$
- - - 0.2×10^6 , Turb. upper 50% e^N , $N=9$
- 22% Flap 4° , $Re = 0.1 \times 10^6$, Turb. upper 50% e^N , $N=9$
- - - 22% Flap 4° , $Re = 0.2 \times 10^6$, Turb. upper 50% e^N , $N=9$



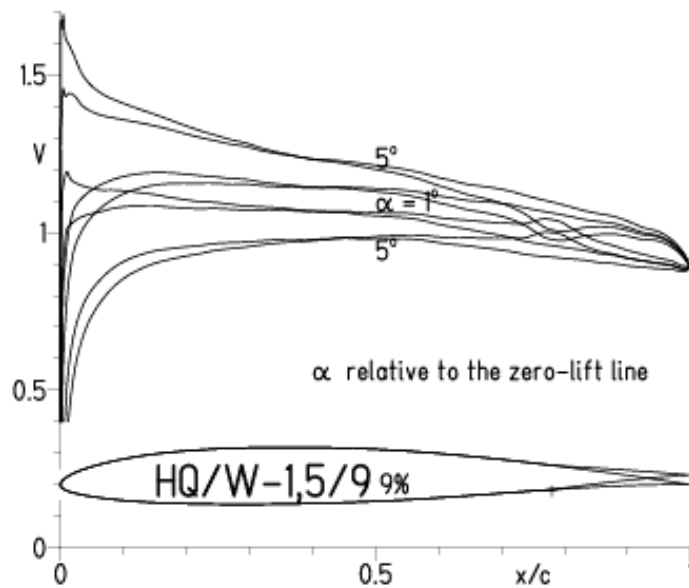
- T. boundary layer transition
- S. boundary layer separation
- U. upper surface
- L. lower surface



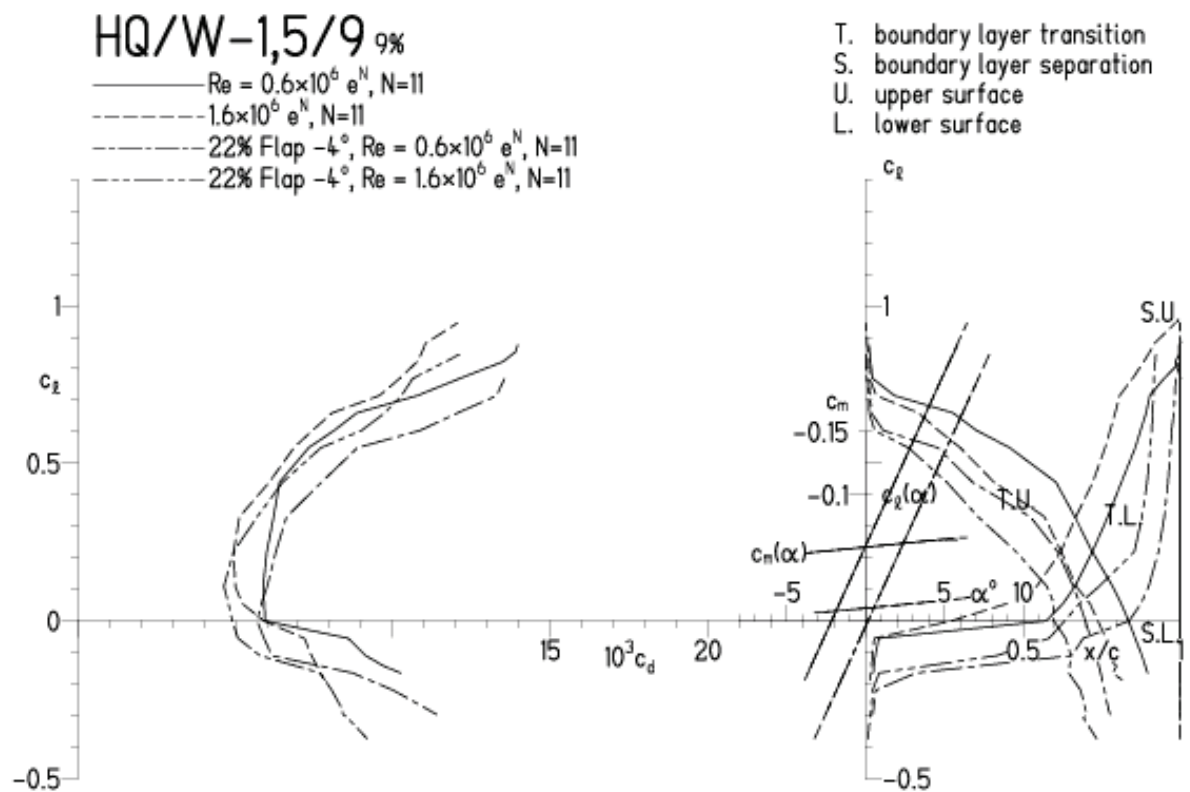
HQ/W-1,5/9, $N=11$, mit -4° Wölbklappenausschlag

(Segelflugmodelle mit $> 50 \text{ g/dm}^2$ erreichen damit gut über 300 km/h Höchstgeschwindigkeit)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:02

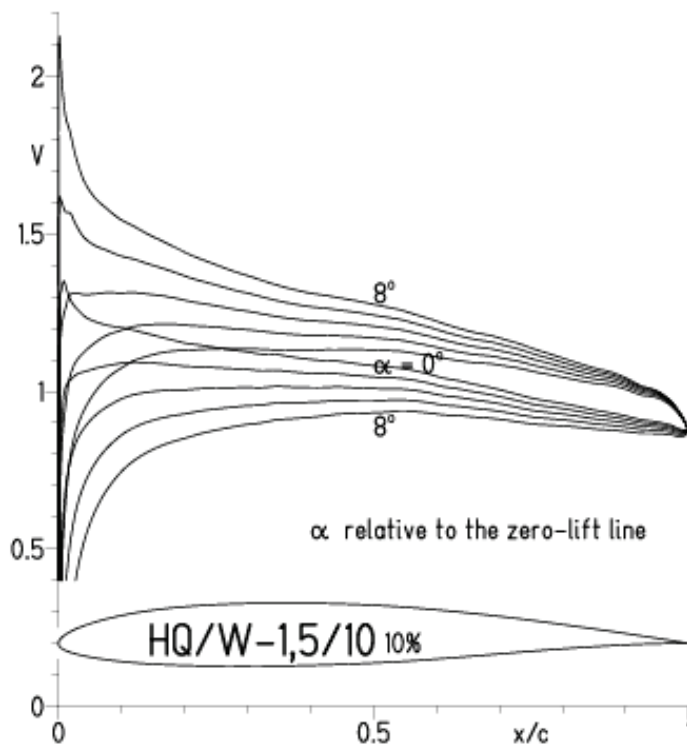


EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:02

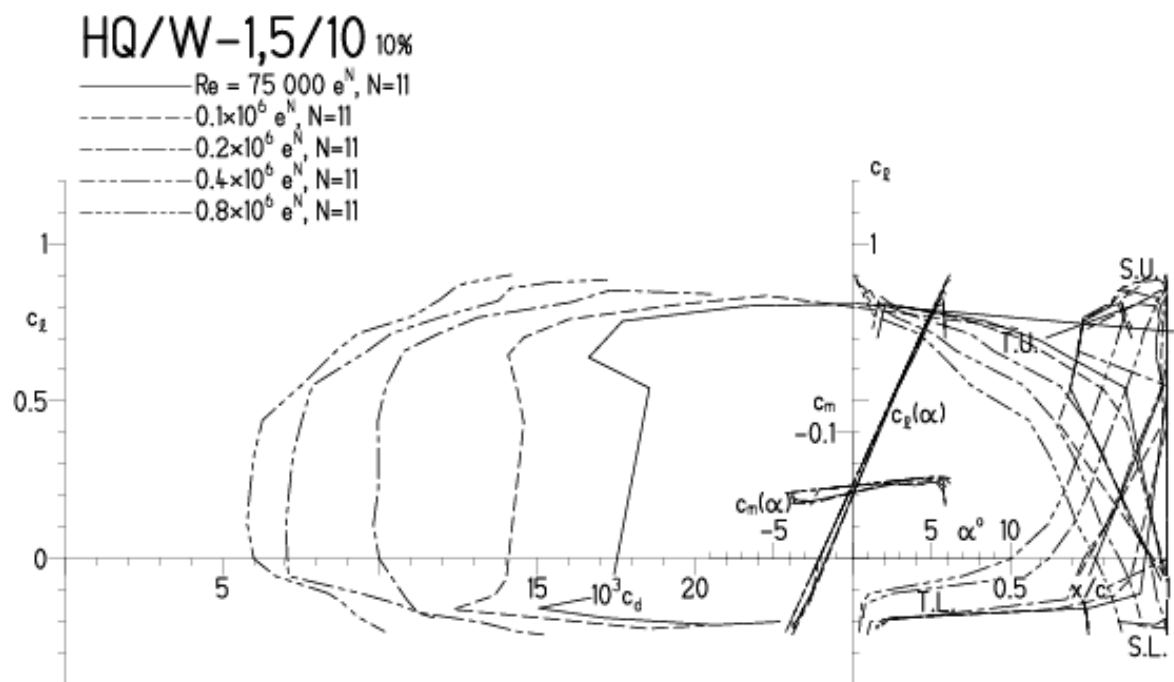


HQ/W-1,5/10, N=11

EPPLER 2005 V. 8.5.07 RUN 2.5.11 16:27

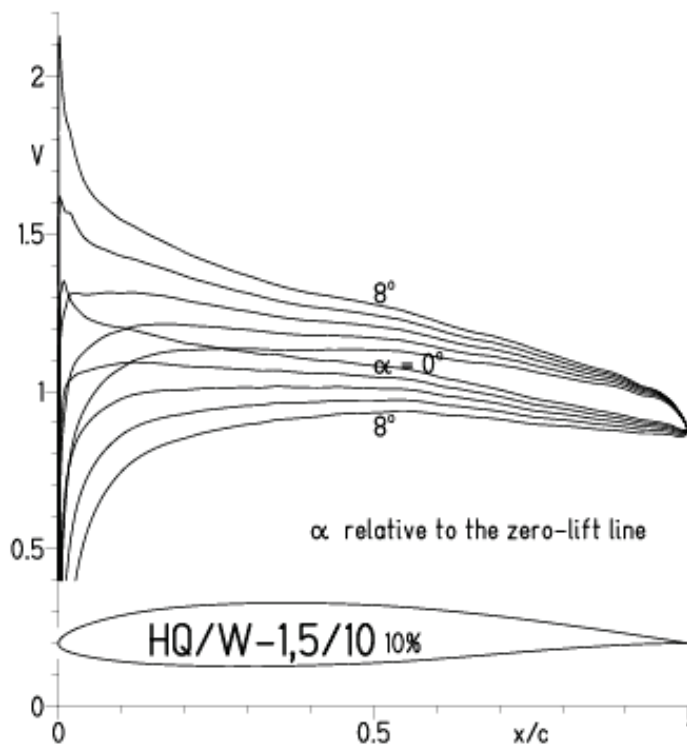


EPPLER 2005 V. 8.5.07 RUN 2.5.11 16:27

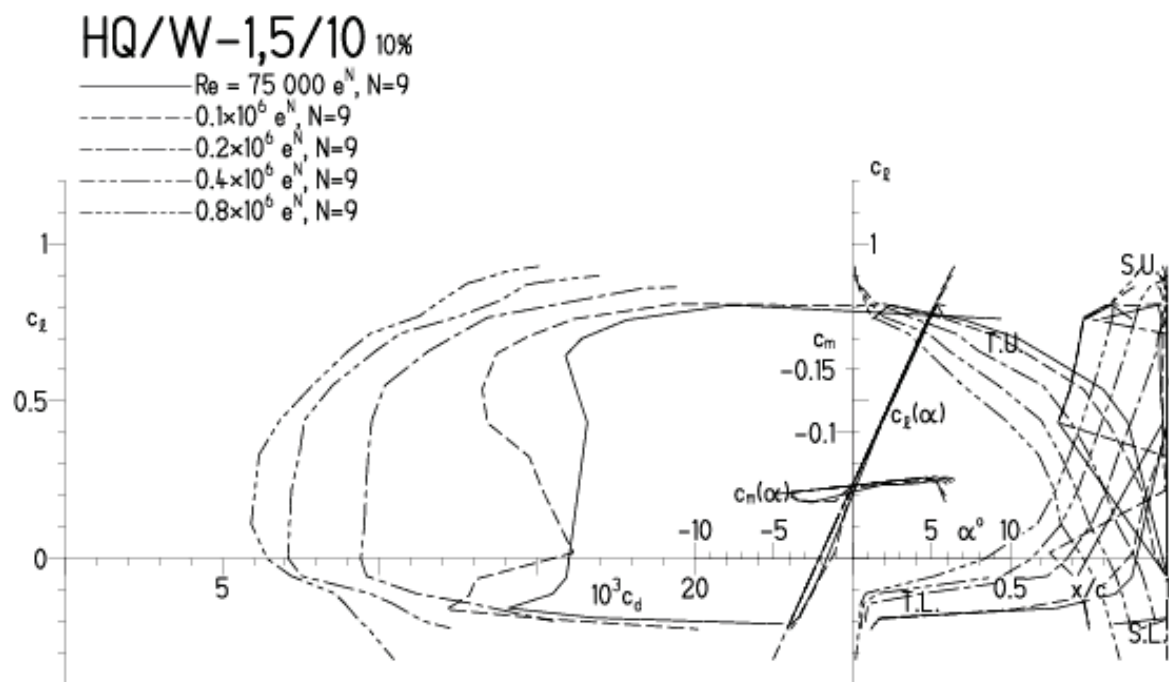


HQ/W-1,5/10, N=9

EPPLER 2005 V. 8.5.07 RUN 2.5.11 16:59

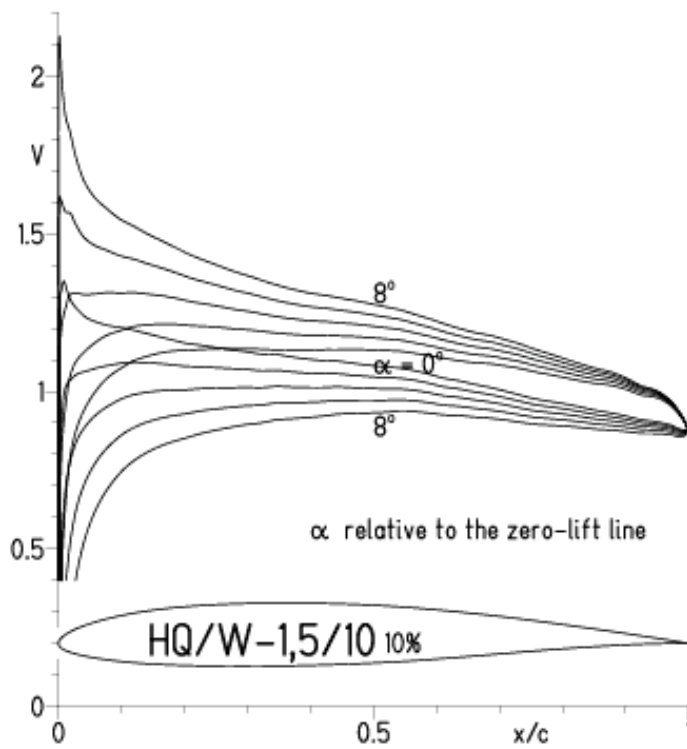


EPPLER 2005 V. 8.5.07 RUN 2.5.11 16:59

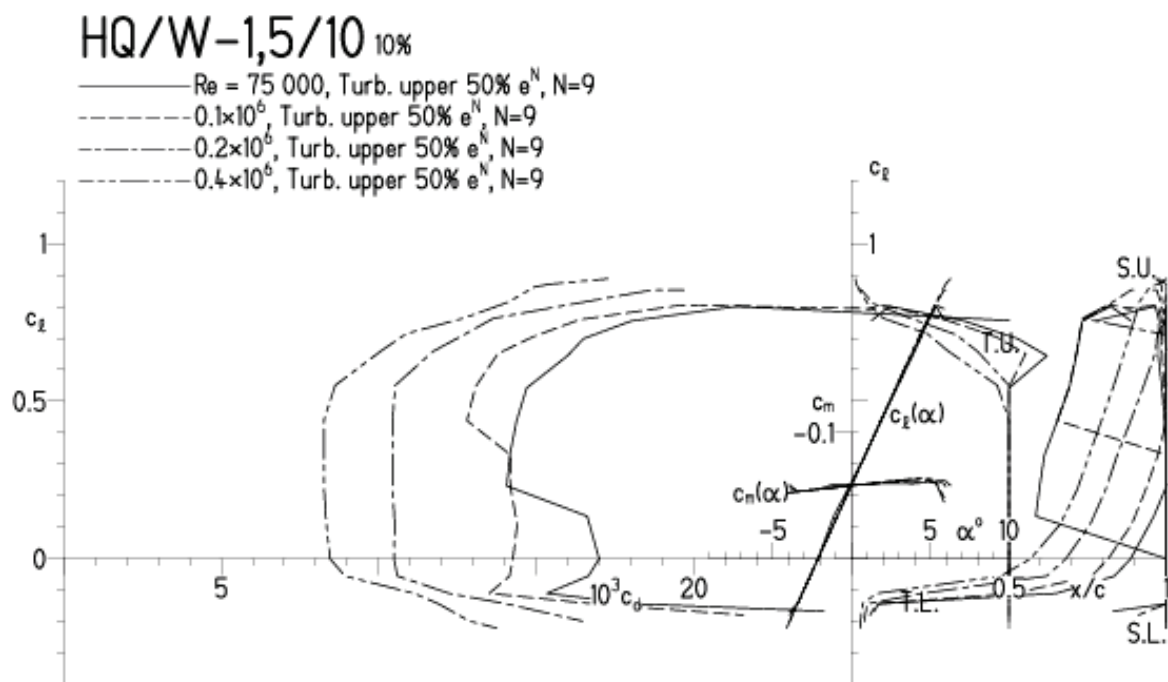


HQ/W-1,5/10, $N=9$, Turbulatoreffekt (optimal beim Maximum der Wölbung)

EPPLER 2005 V. 8.5.07 RUN 2.5.11 17:03

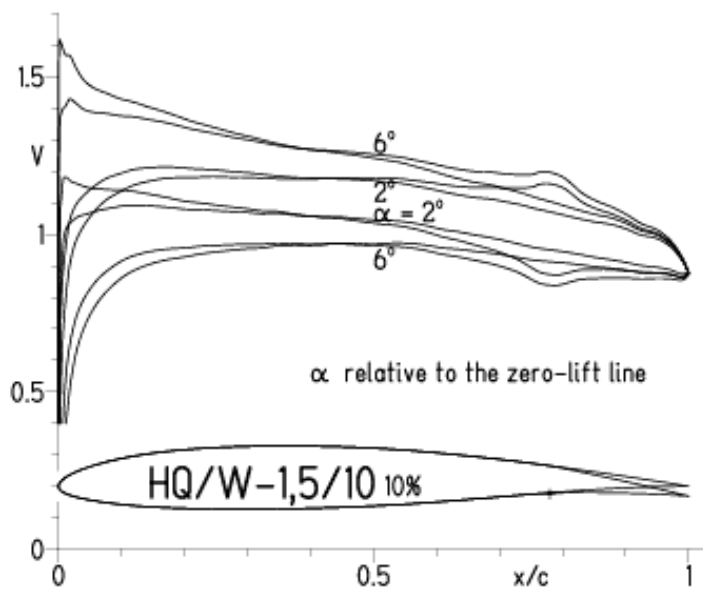


EPPLER 2005 V. 8.5.07 RUN 2.5.11 17:03

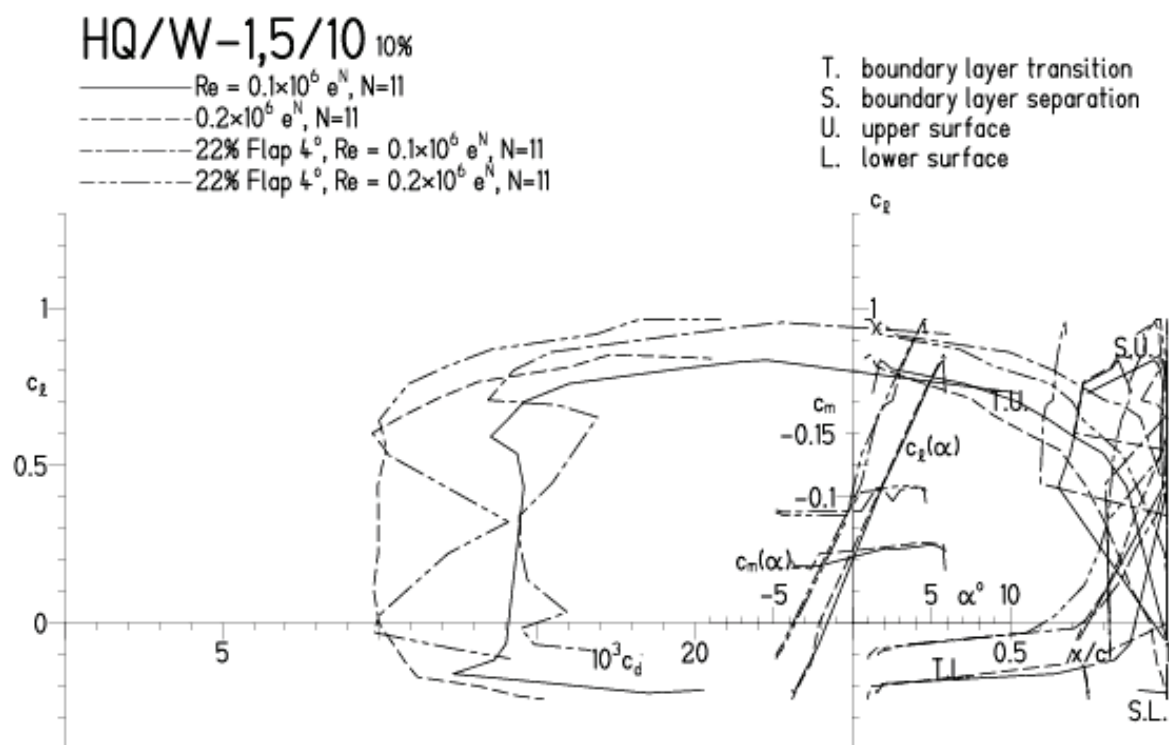


HQ/W-1,5/10, $N=11$, mit $+4^\circ$ Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:06

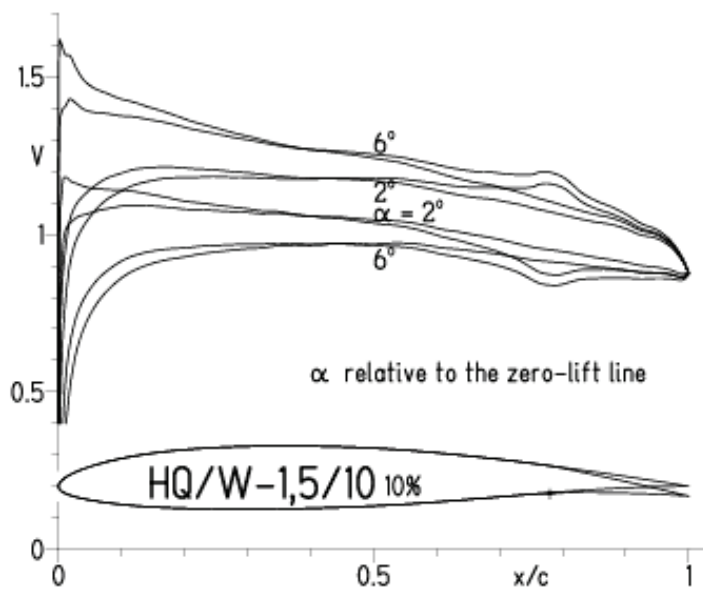


EPPLER 2005 V. 8.5.07 RUN 5.5.11 2

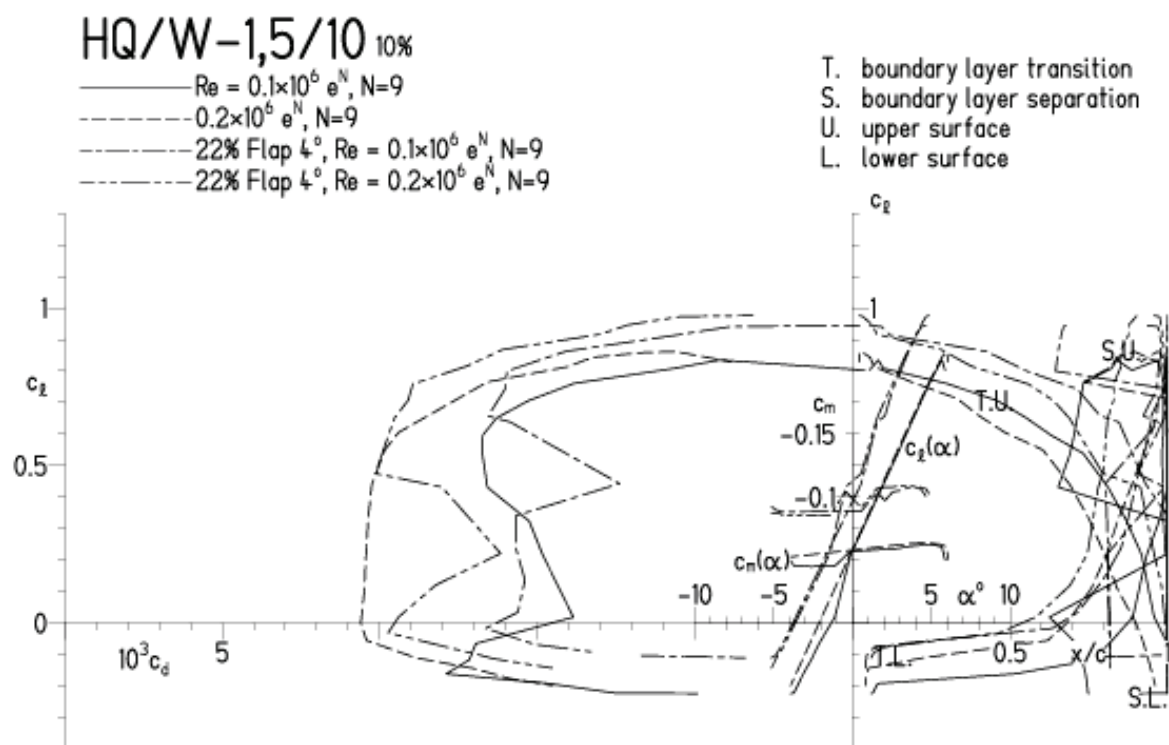


HQ/W-1,5/10, N=9, mit $+4^\circ$ Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:09



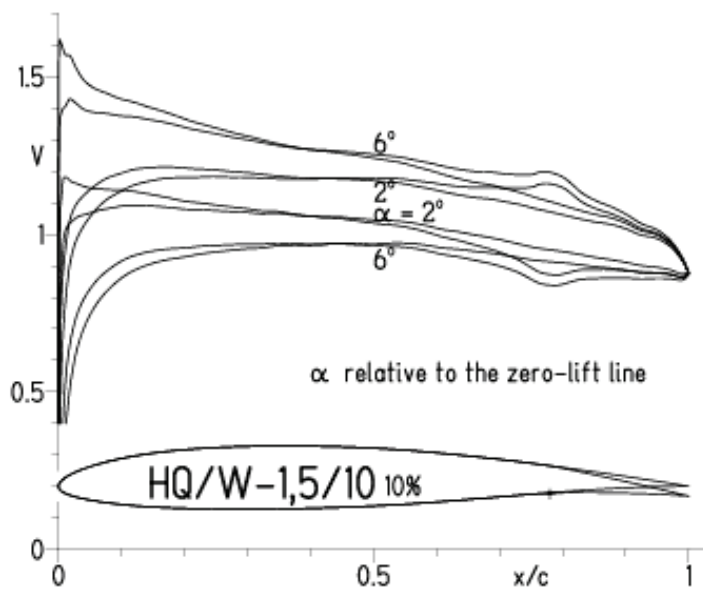
EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:09



HQ/W-1,5/10, $N=9$, mit $+4^\circ$ Wölbklappenausschlag, Turbulatoreffekt

(Verbesserungen für niedrige Geschwindigkeiten und Profiltiefen an Flügelenden)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:12

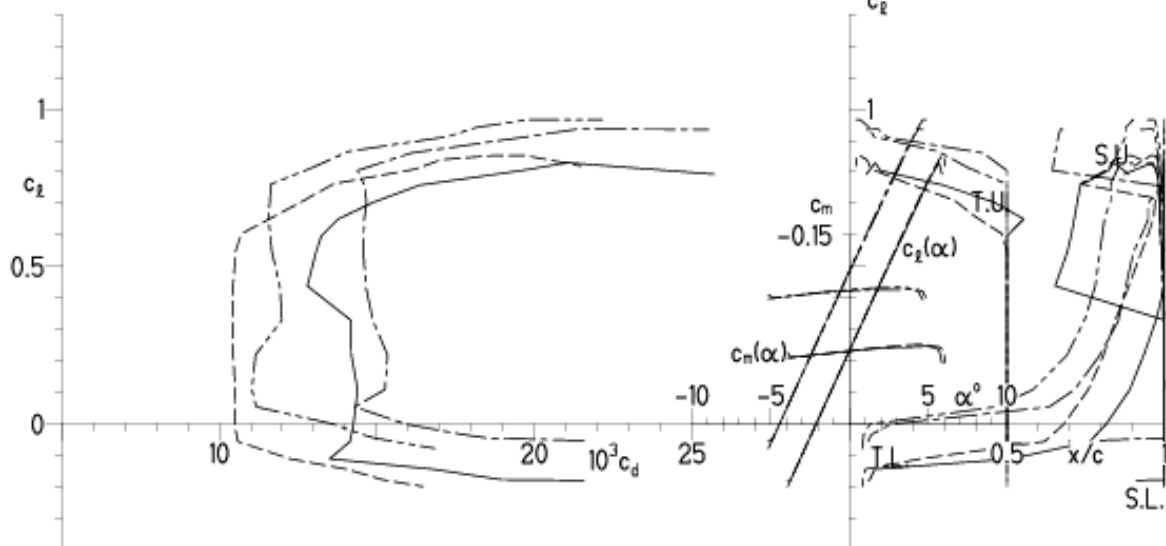


EPPLER 2005 V. 8.5.07 RUN 5.5.

HQ/W-1,5/10 10%

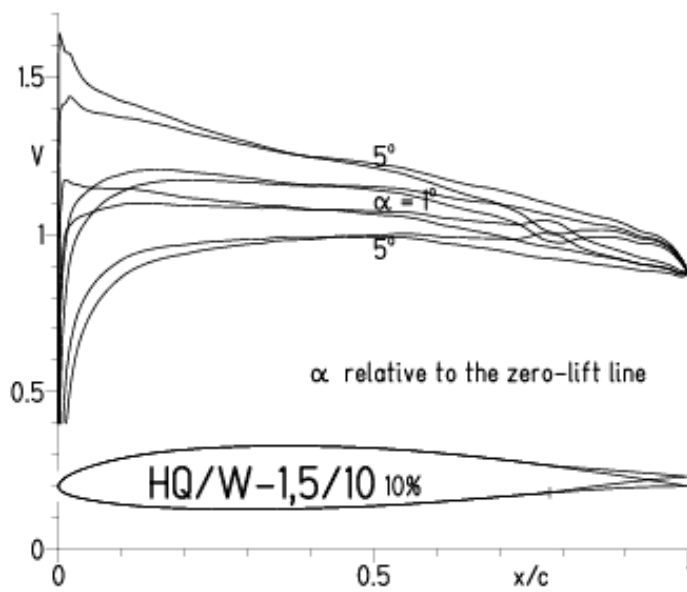
- $Re = 0.1 \times 10^6$, Turb. upper 50% e^N , $N=9$
- - - 0.2×10^6 , Turb. upper 50% e^N , $N=9$
- 22% Flap 4° , $Re = 0.1 \times 10^6$, Turb. upper 50% e^N , $N=9$
- - - 22% Flap 4° , $Re = 0.2 \times 10^6$, Turb. upper 50% e^N , $N=9$

- T. boundary layer transition
- S. boundary layer separation
- U. upper surface
- L. lower surface

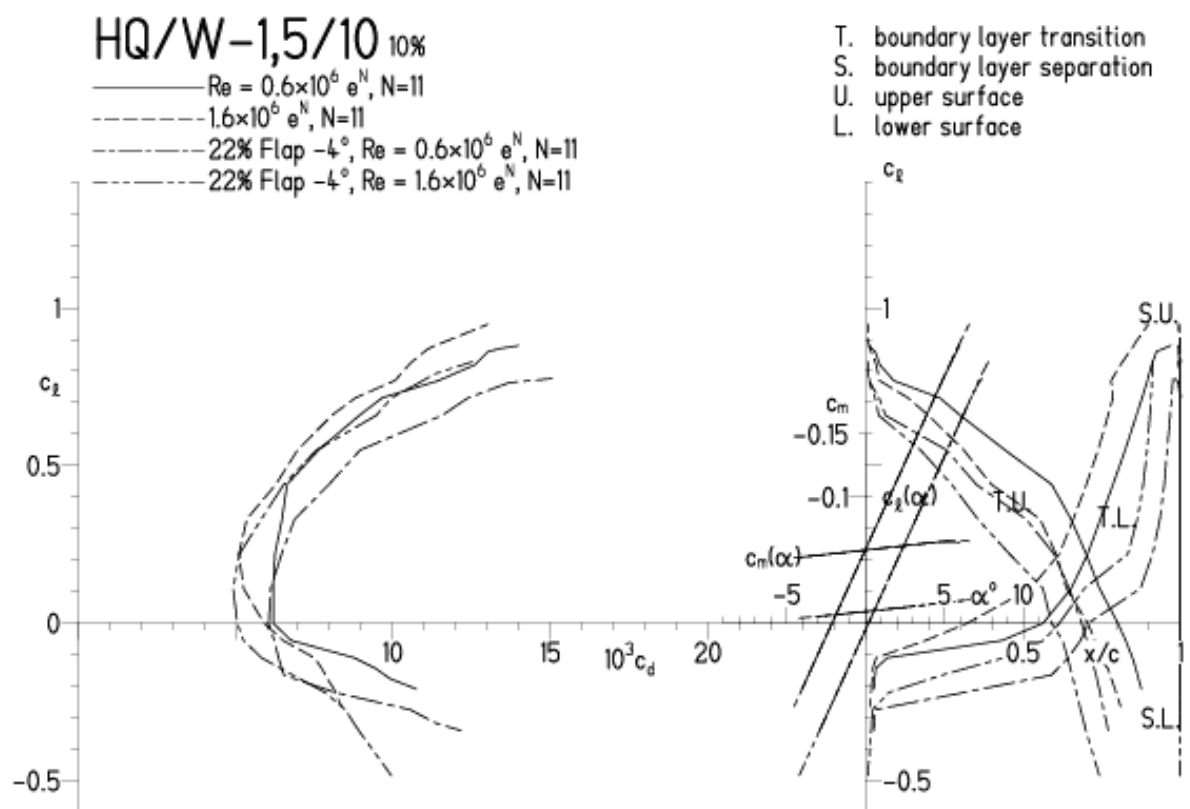


HQ/W-1,5/10, $N=11$, mit -4° Wölbklappenausschlag
(Segelflugmodelle mit $> 50 \text{ g/dm}^2$ erreichen damit gut über 300 km/h)

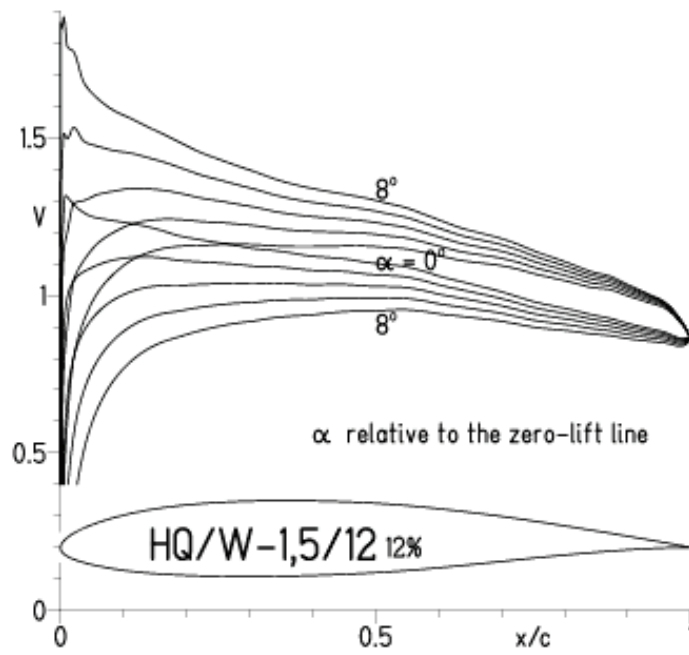
EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:16



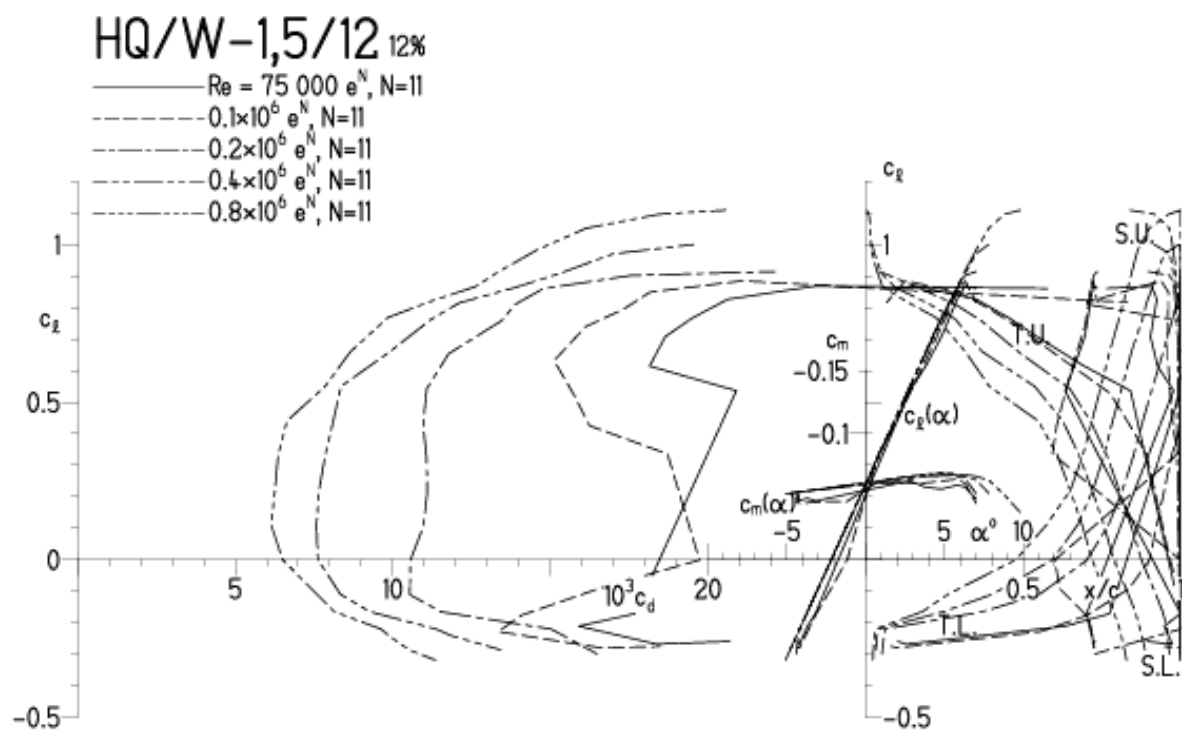
EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:16



EPPLER 2005 V. 8.5.07 RUN 3.5.11 17:17

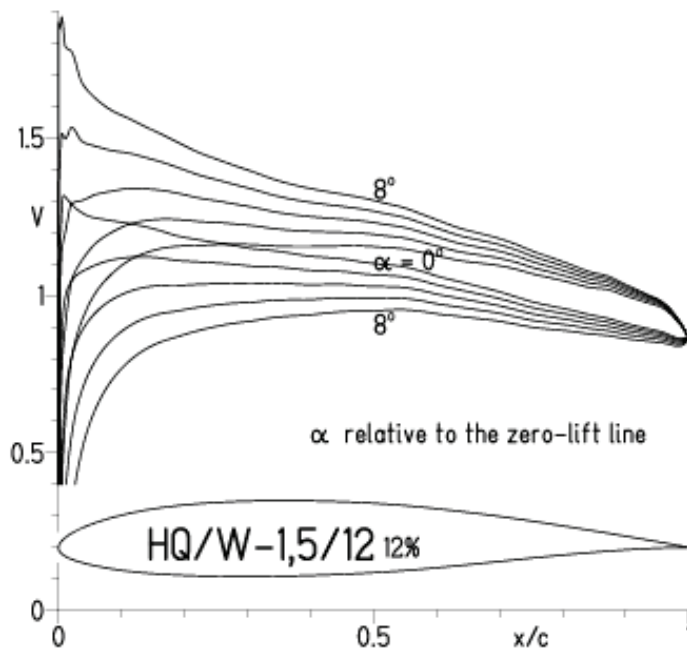


EPPLER 2005 V. 8.5.07 RUN 3.5.11 17:17

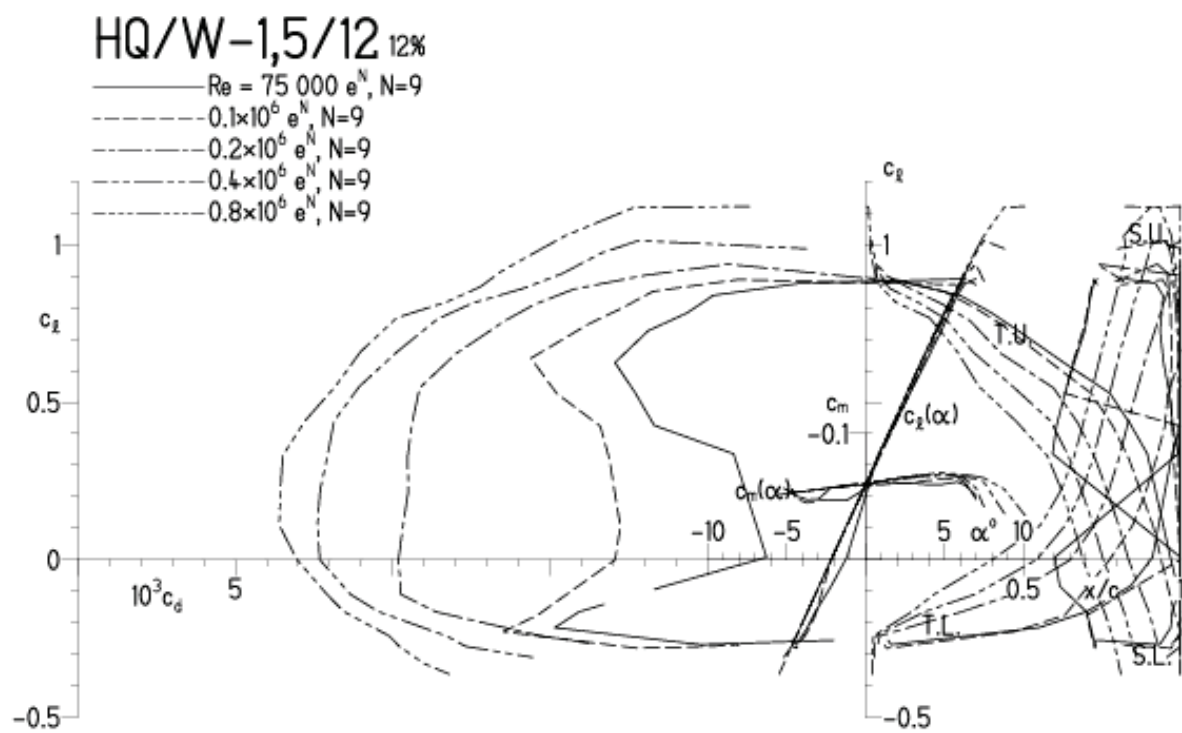


HQ/W-1,5/12, $N=9$

EPPLER 2005 V. 8.5.07 RUN 3.5.11 17:29

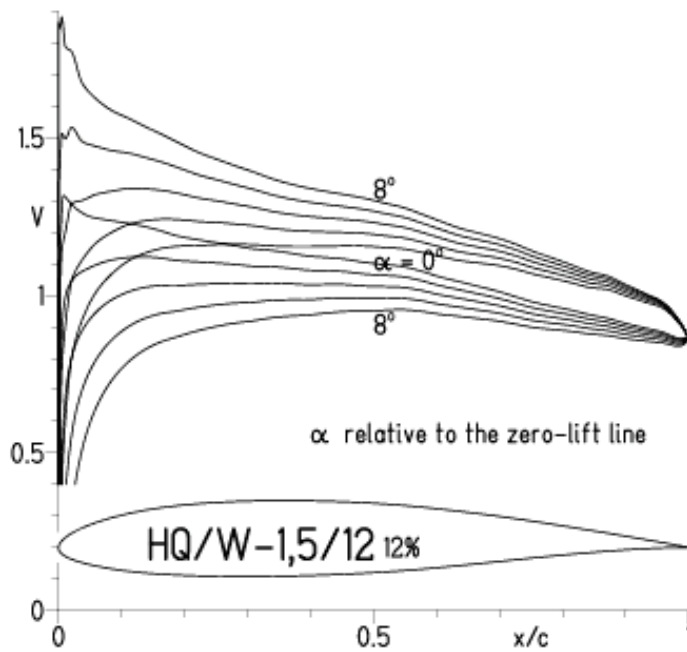


EPPLER 2005 V. 8.5.07 RUN 3.5.11 17:29

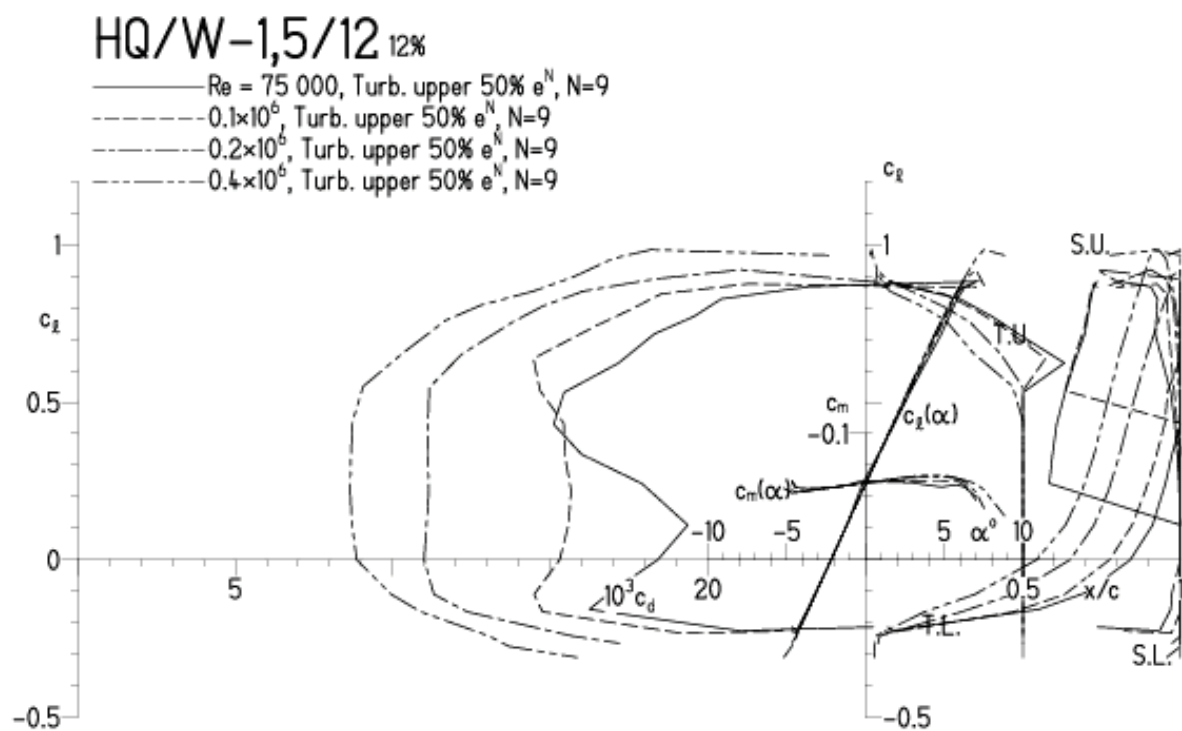


HQ/W-1,5/12, $N=9$, Turbulatoreffekt (optimal beim Maximum der Wölbung)

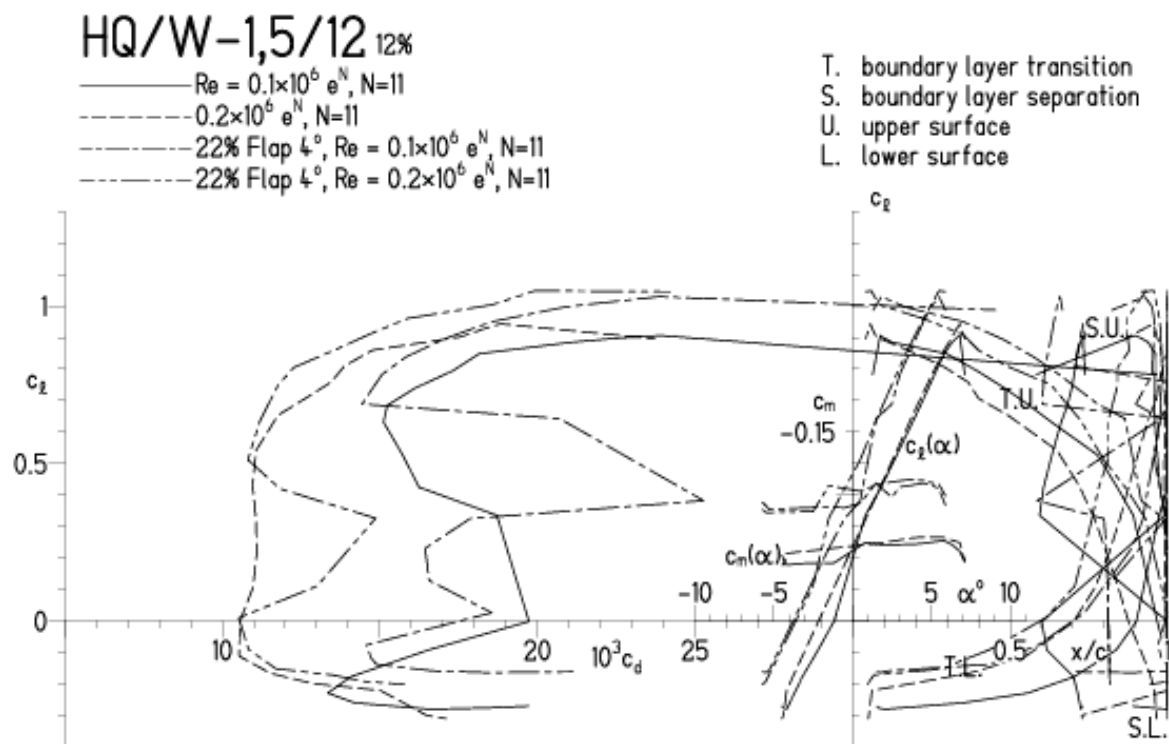
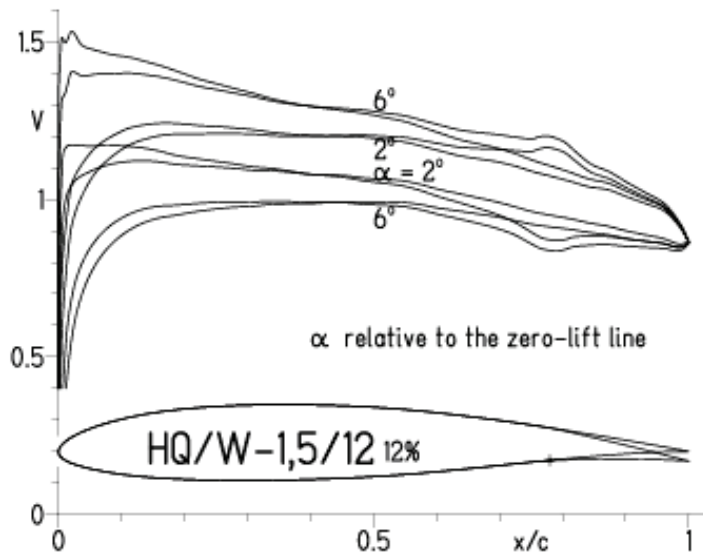
EPPLER 2005 V. 8.5.07 RUN 3.5.11 17:33



EPPLER 2005 V. 8.5.07 RUN 3.5.11 17:33

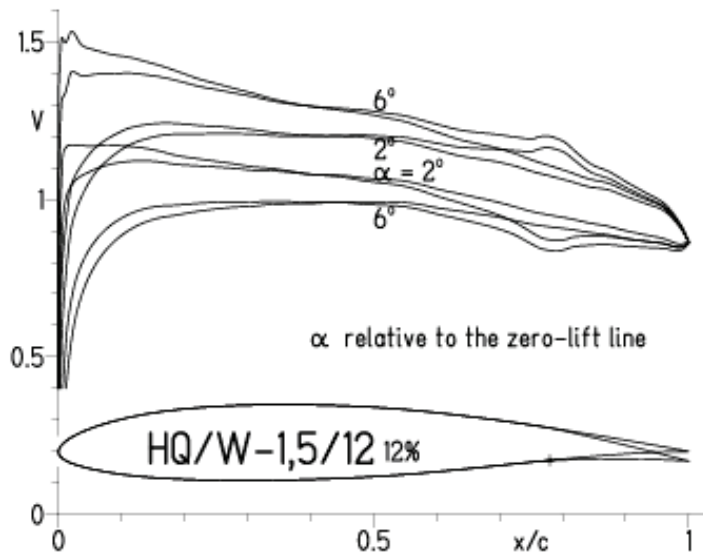


HQ/W-1,5/12, $N=11$, mit $+4^\circ$ Wölbklappenausschlag

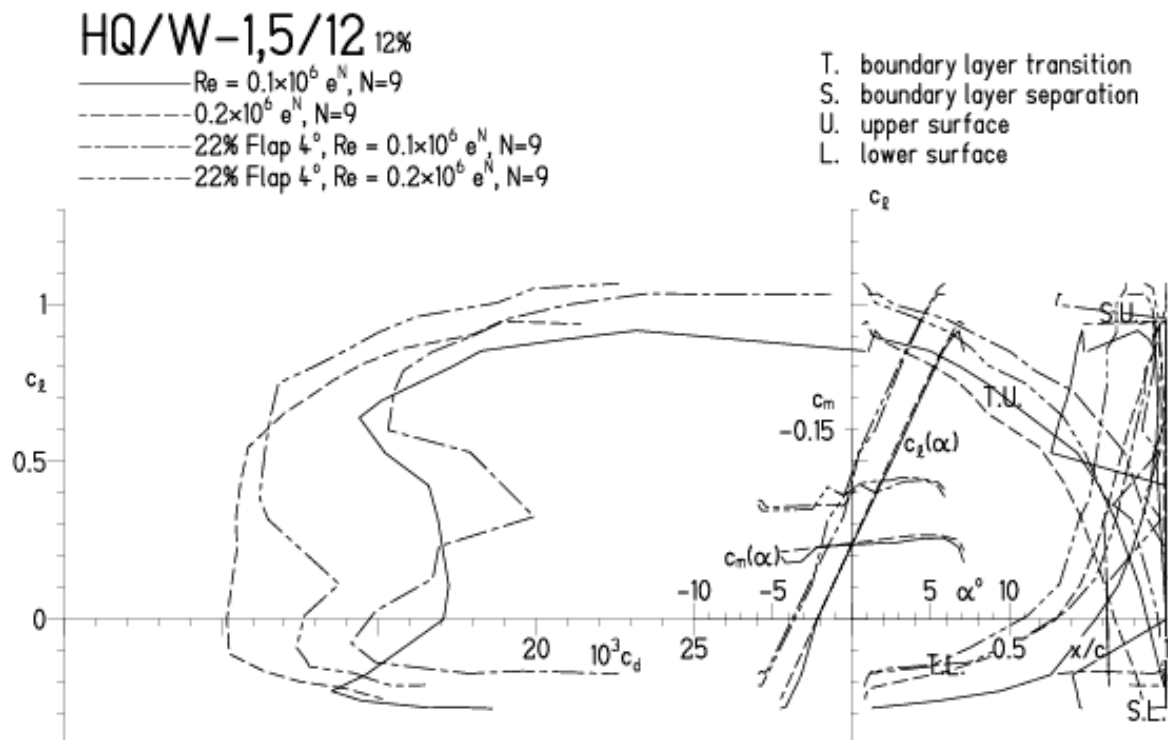


HQ/W-1,5/12, $N=9$, mit $+4^\circ$ Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:22

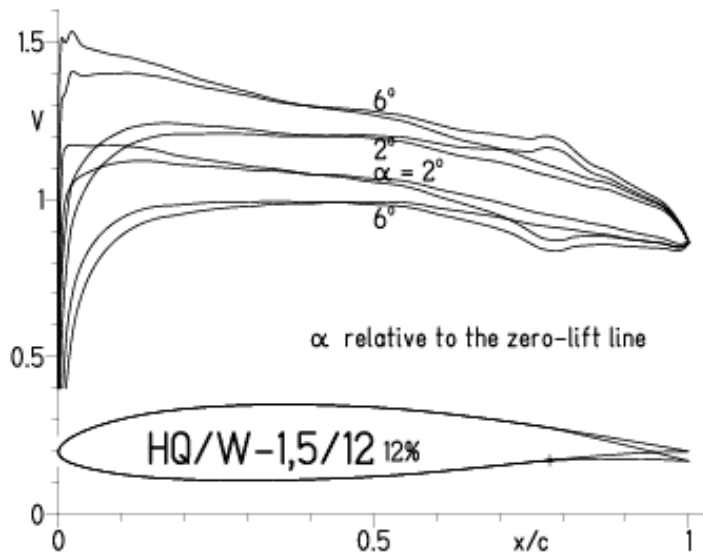


EPPLER 2005 V. 8.

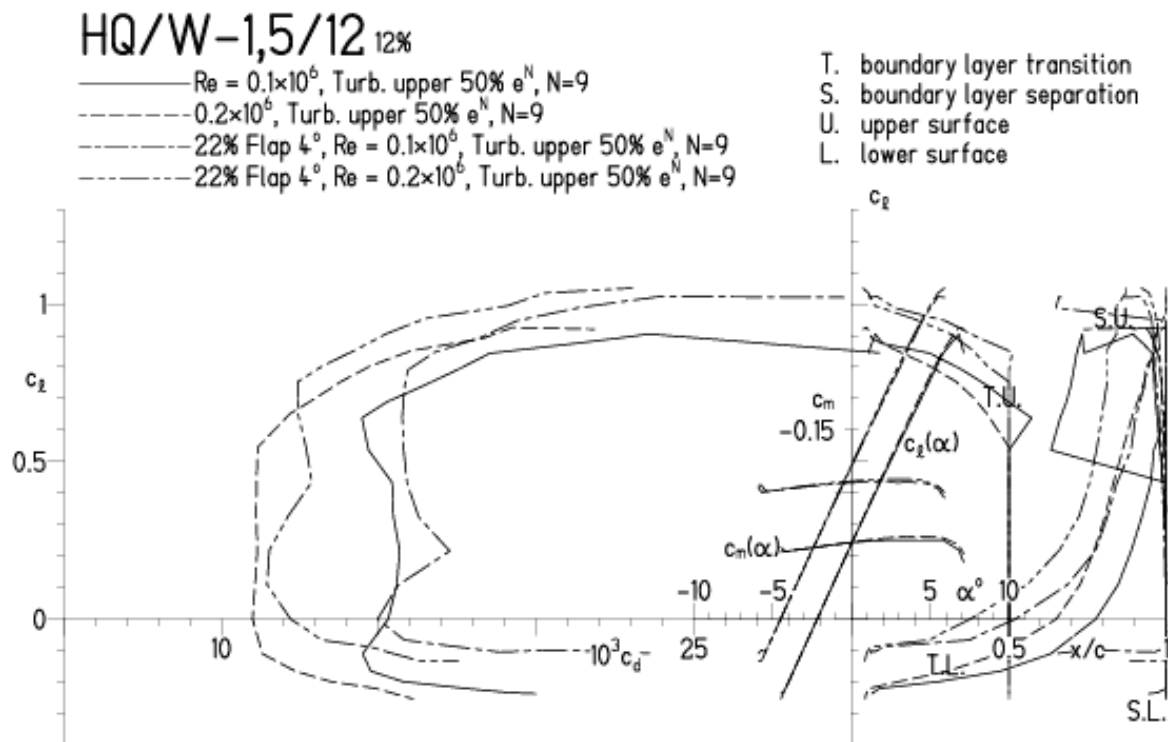


HQ/W-1,5/12, N=9, mit +4° Wölbklappenausschlag, Turbulatoreffekt
(Verbesserungen für niedrige Geschwindigkeiten und Profiltiefen an Flügelenden)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:24

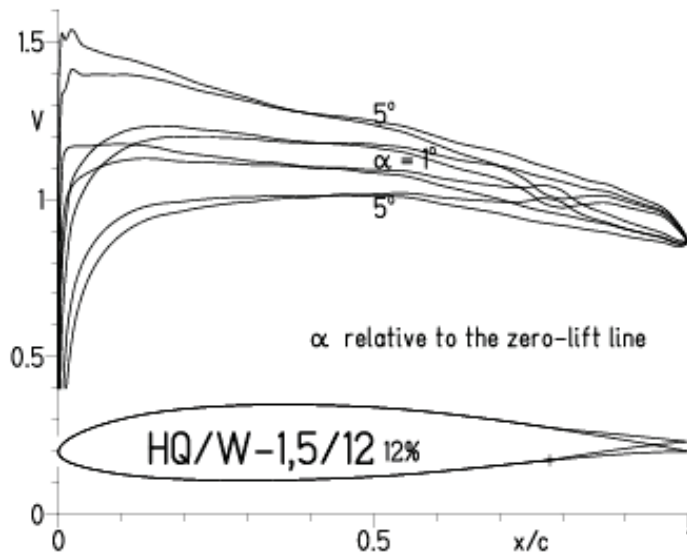


EPPLER 2005 V. 8.5.07 RUN 5.5.11 2

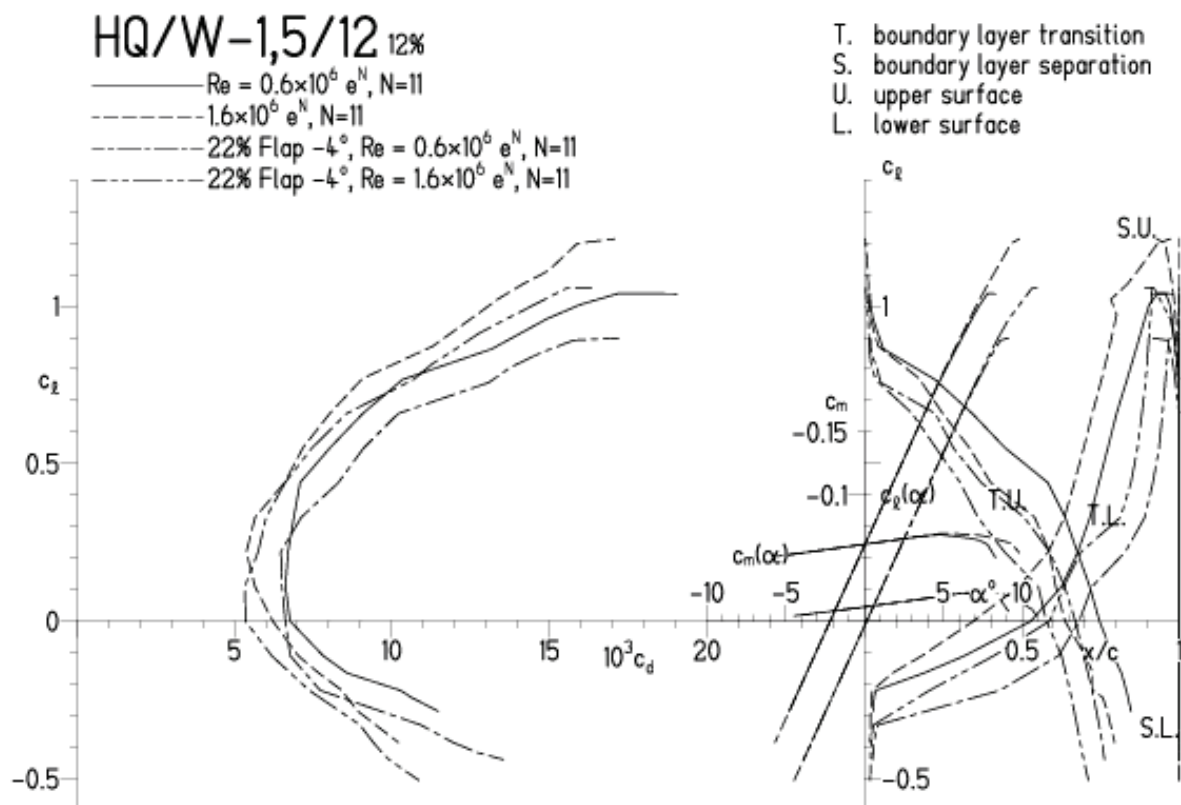


HQ/W-1,5/12, $N=11$, mit -4° Wölbklappenausschlag
 (Segelmodelle erreichen damit hohe Endgeschwindigkeiten)

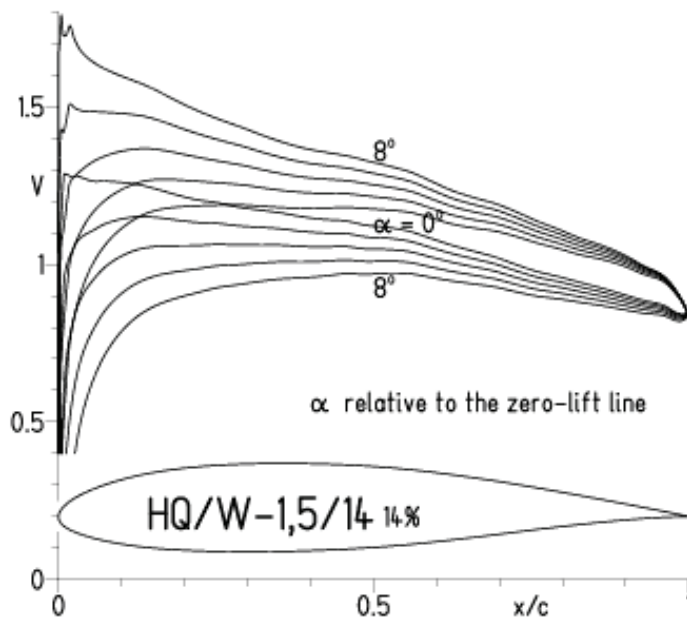
EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:27



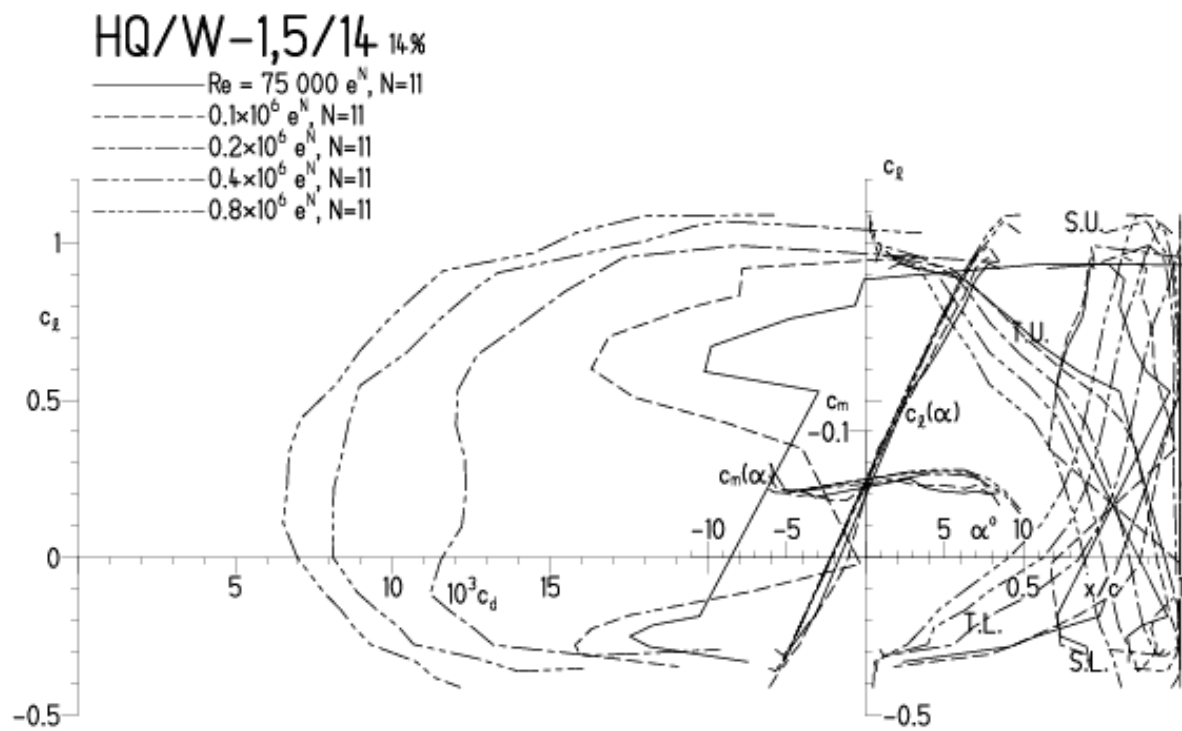
EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:27

HQ/W-1,5/14, $N=11$

EPPLER 2005 V. 8.5.07 RUN 4.5.11 16:25

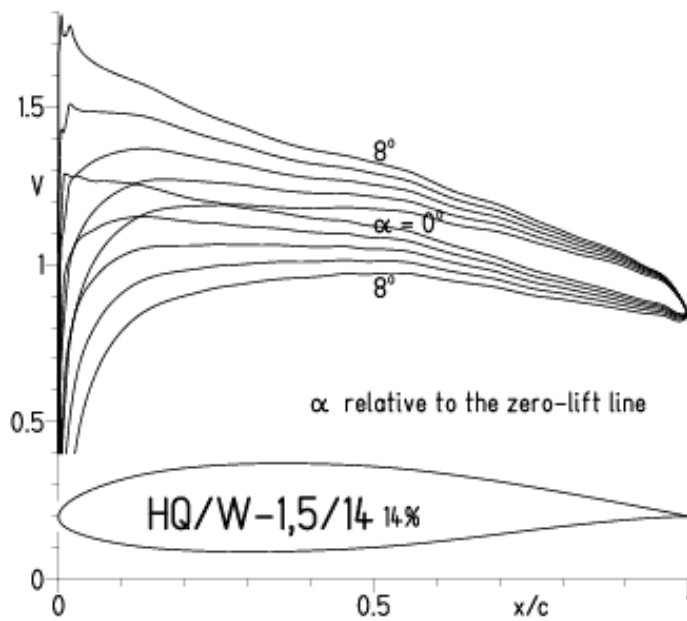


EPPLER 2005 V. 8.5.07 RUN 4.5.11 16:25

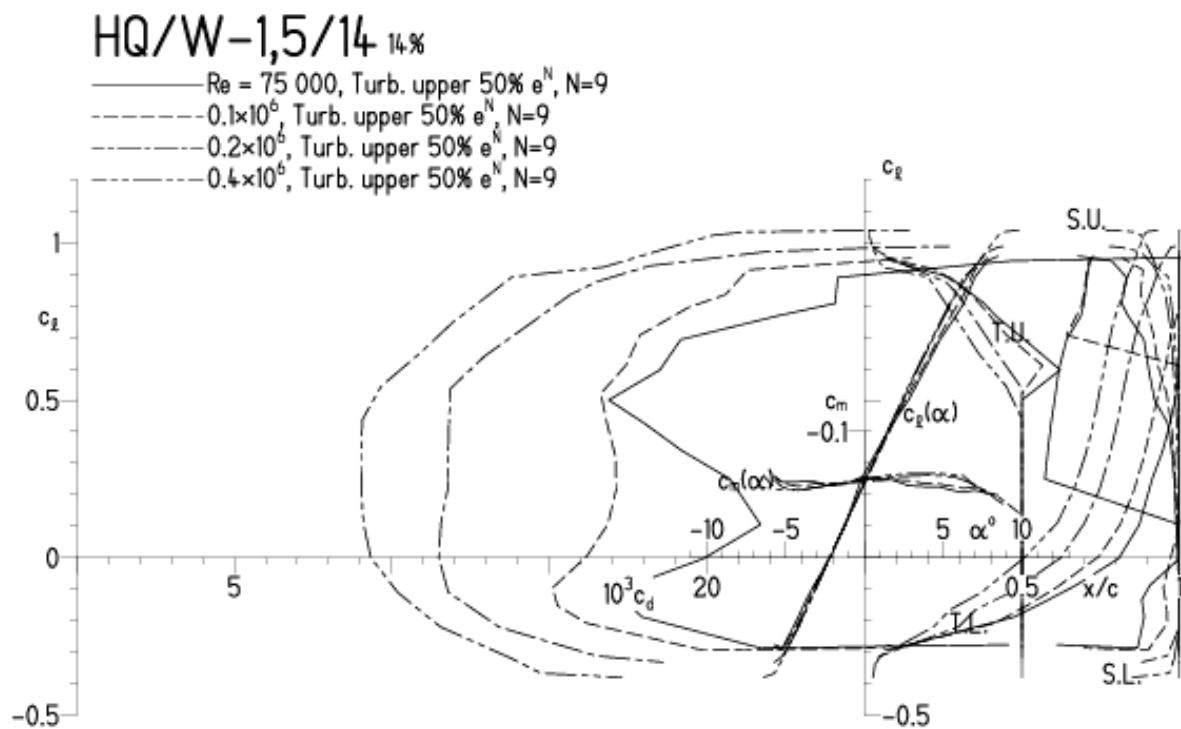


HQ/W-1,5/14, N=9

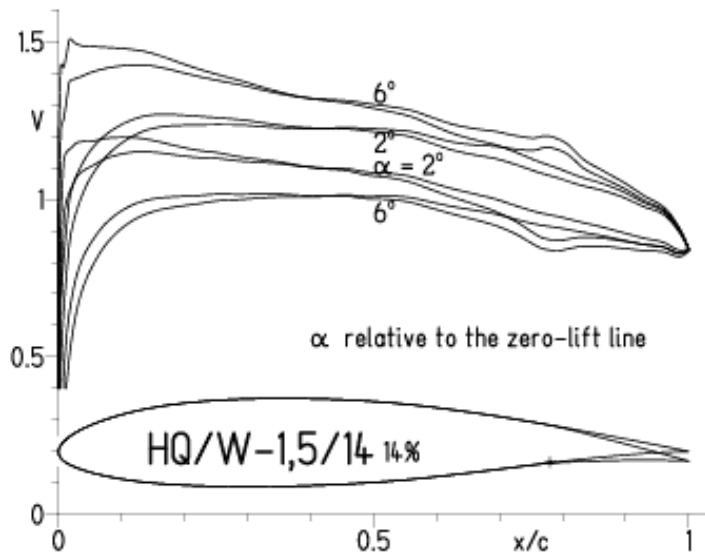
EPPLER 2005 V. 8.5.07 RUN 4.5.11 16:36



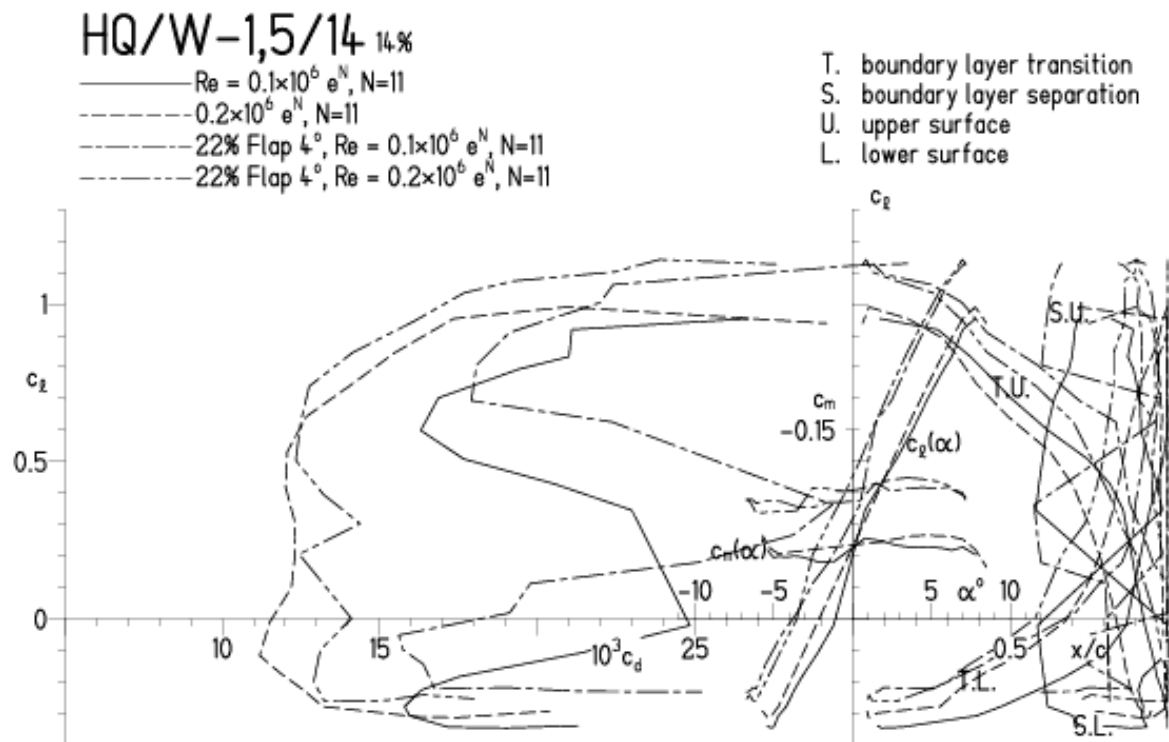
EPPLER 2005 V. 8.5.07 RUN 4.5.11 16:36



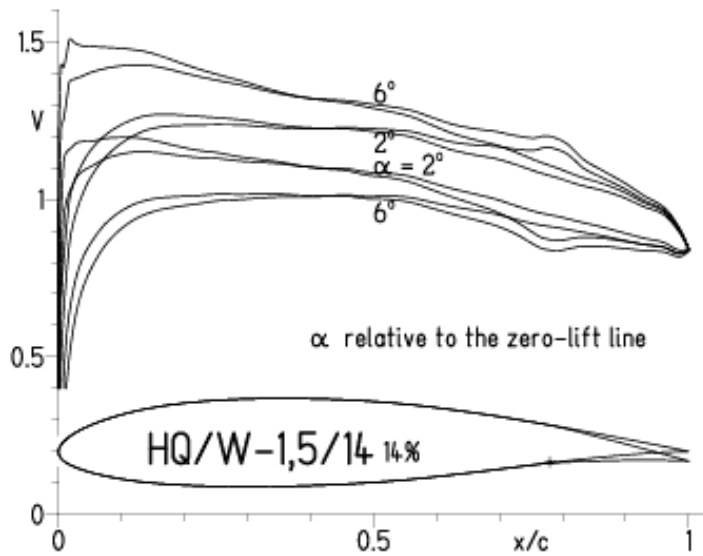
HQ/W-1,5/14, $N=11$, mit $+4^\circ$ Wölbklappenausschlag



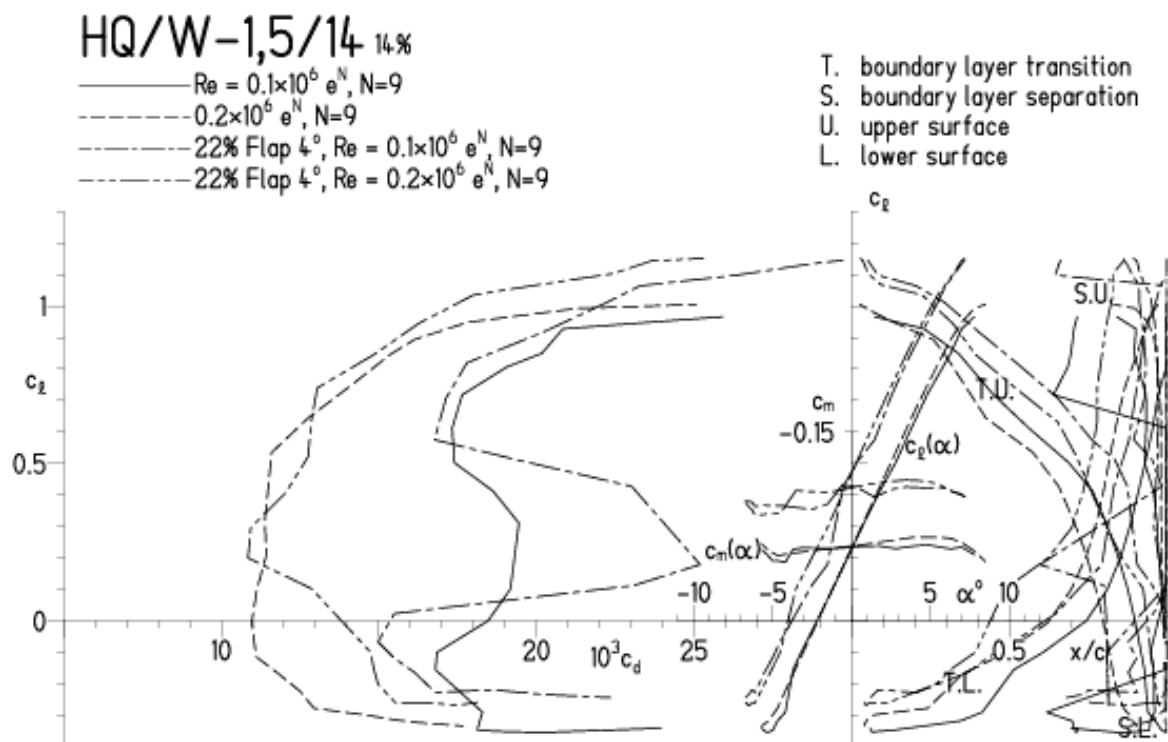
EPPLER 20



HQ/W-1,5/14, $N=9$, mit $+4^\circ$ Wölbklappenausschlag

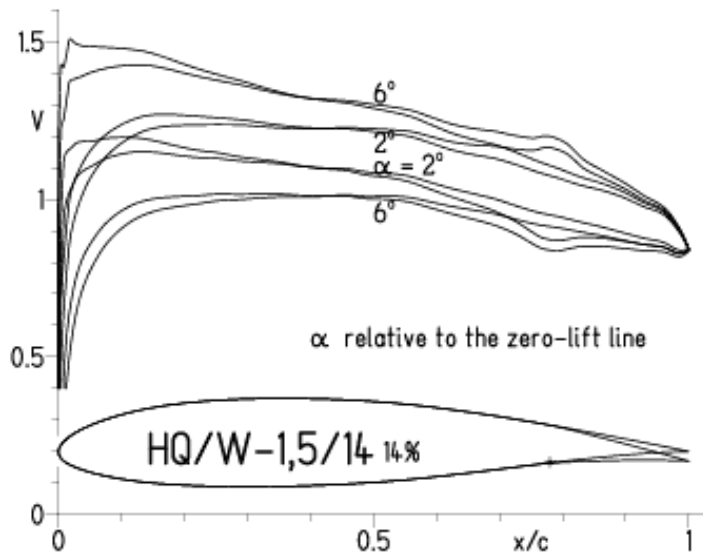


EPPLER 20

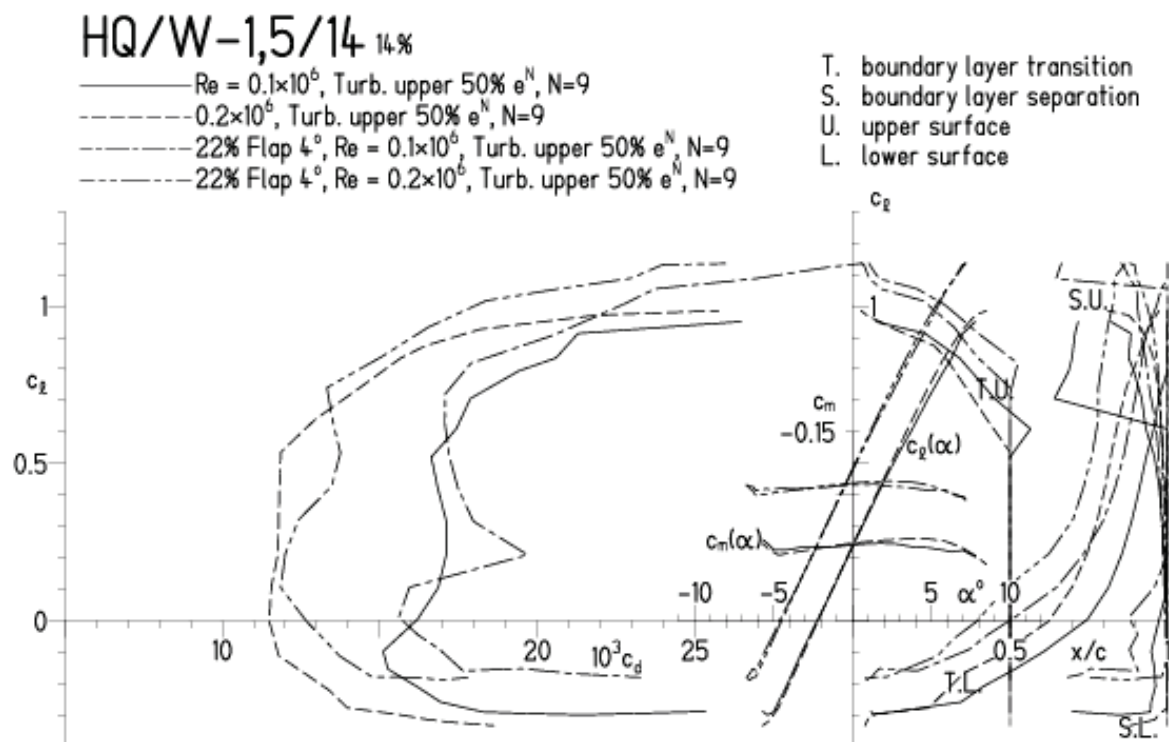


HQ/W-1,5/14, $N=9$, mit $+4^\circ$ Wölbklappenausschlag, Turbulatoreffekt
(Verbesserungen für niedrige Geschwindigkeiten und Profiltiefen an Flügelenden)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:36

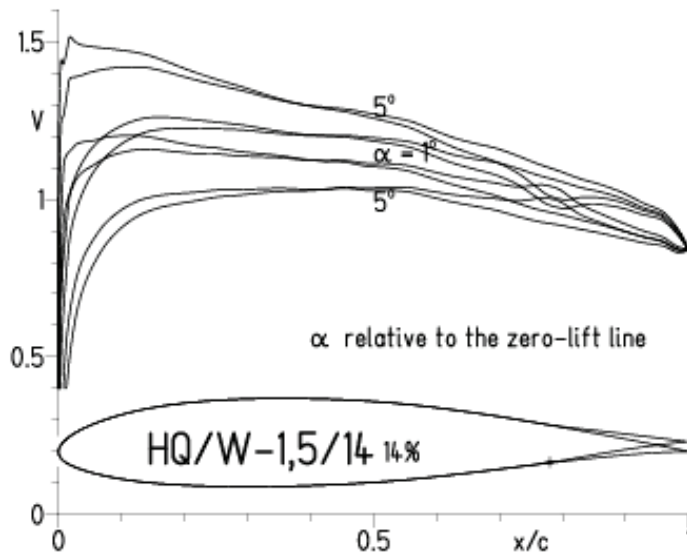


EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:36



HQ/W-1,5/14, $N=11$, mit -4° Wölbklappenaußschlag
 (Segelmodelle erreichen damit hohe Endgeschwindigkeiten)

EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:40



EPPLER 2005 V. 8.5.07 RUN 5.5.11 20:40

