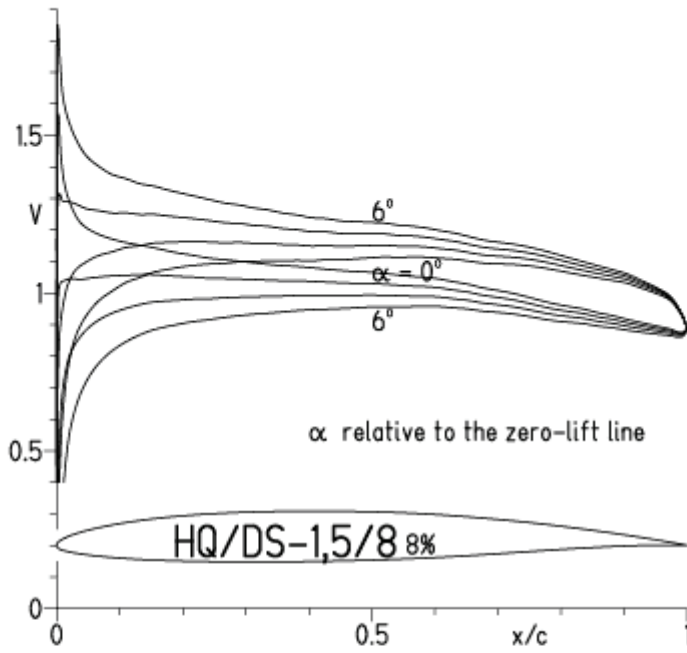


HQ/DS-1,5/8-Polaren, N=11

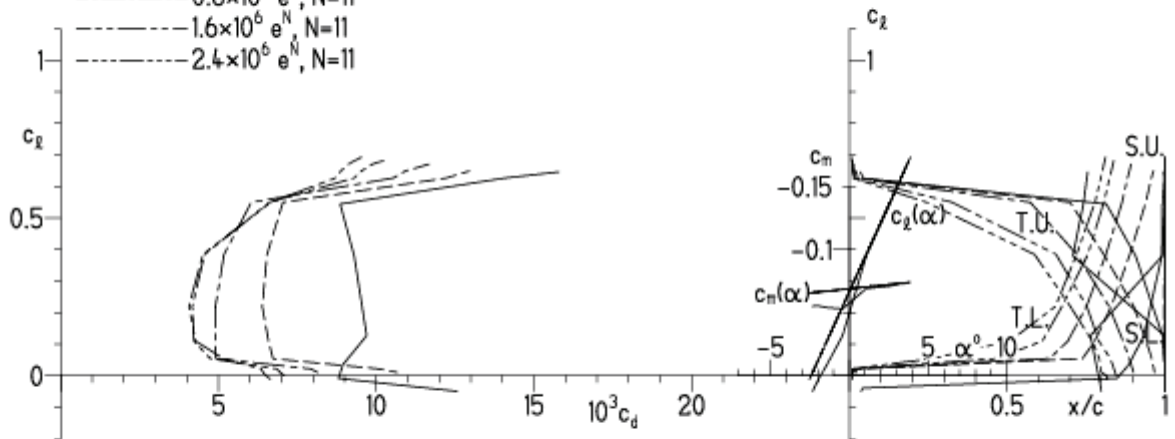
EPPLER 2005 V. 8.5.07 RUN 23.3.12 10:40



EPPLER 2005 V. 8.5.07 RUN 23.3.12 10:40

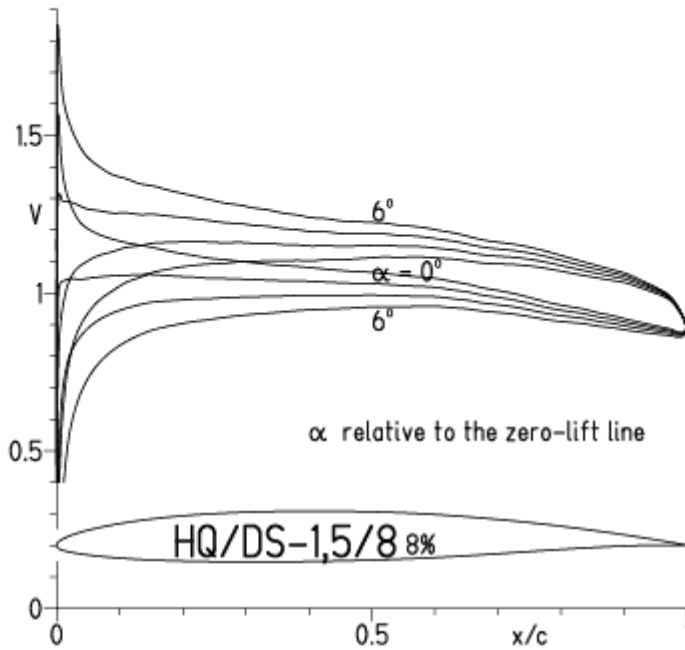
HQ/DS-1,5/8 8%

- $Re = 0.2 \times 10^6 e^N, N=11$
- - - $0.4 \times 10^6 e^N, N=11$
- · - $0.8 \times 10^6 e^N, N=11$
- · · - $1.6 \times 10^6 e^N, N=11$
- · · · - $2.4 \times 10^6 e^N, N=11$



HQ/DS-1,5/8-Polaren, N=9

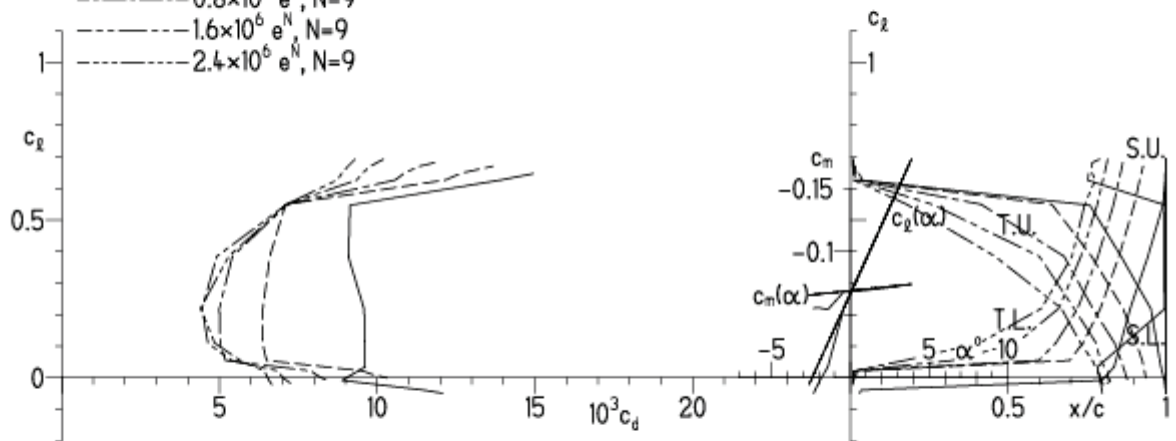
EPPLER 2005 V. 8.5.07 RUN 23.3.12 10:47



EPPLER 2005 V. 8.5.07 RUN 23.3.12 10:47

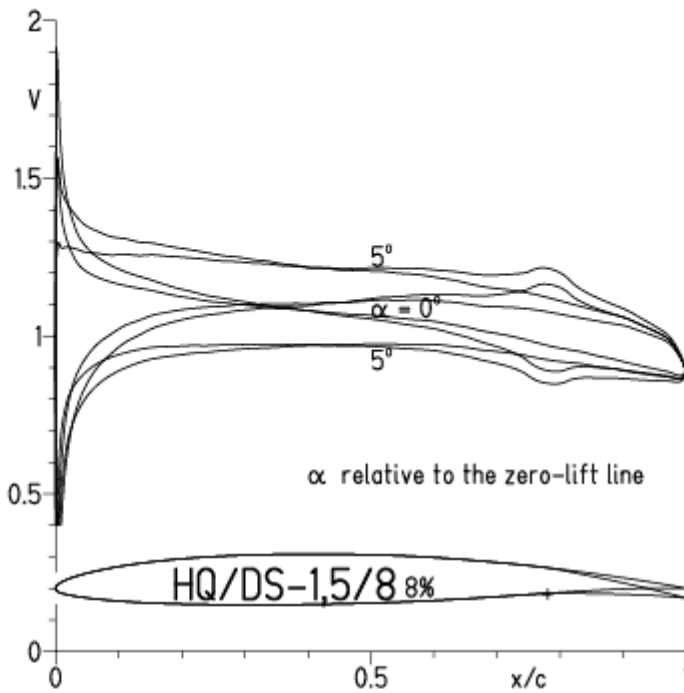
HQ/DS-1,5/8 8%

- $Re = 0.2 \times 10^6 e^N, N=9$
- - - $0.4 \times 10^6 e^N, N=9$
- · - $0.8 \times 10^6 e^N, N=9$
- · · - $1.6 \times 10^6 e^N, N=9$
- · · · - $2.4 \times 10^6 e^N, N=9$



HQ/DS-1,5/8-Polaren, N=11, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 23.3.12 10:44

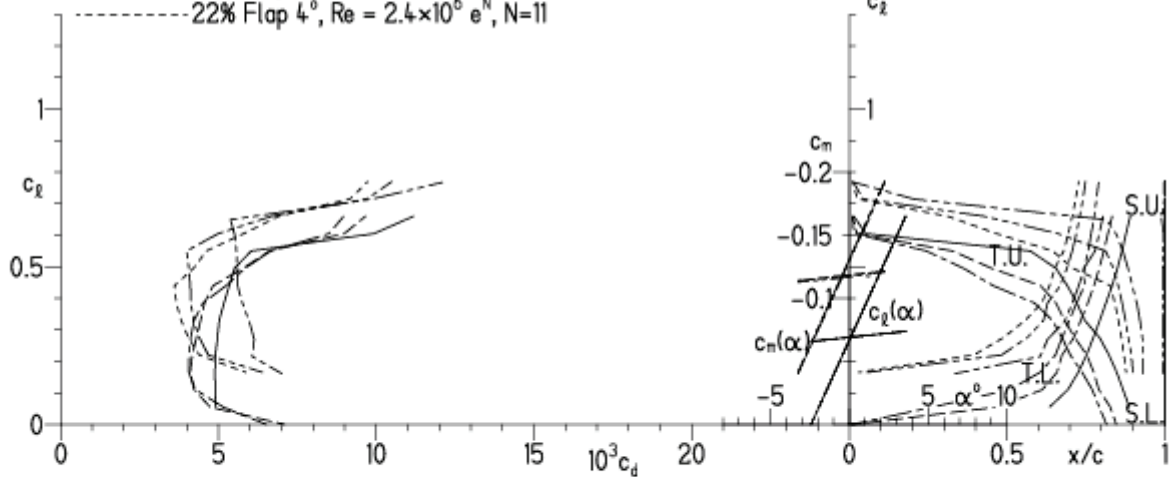


EPPLER 2005 V. 8.5.07 RUN 23.3.12 10:44

HQ/DS-1,5/8 8%

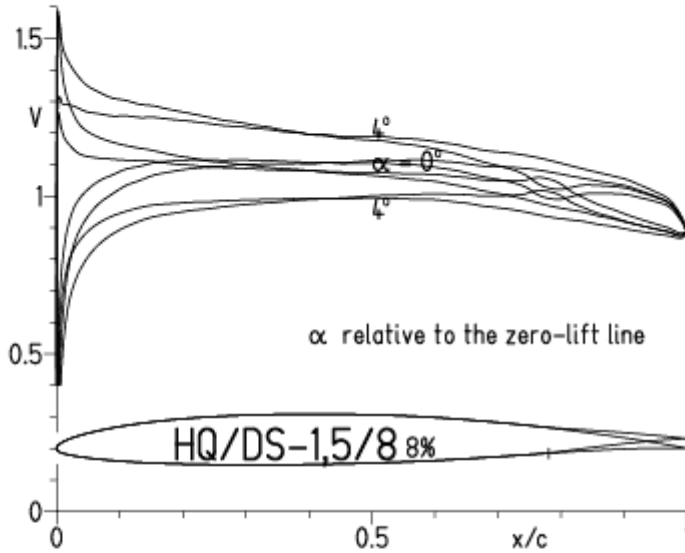
- $Re = 0.8 \times 10^6 e^N, N=11$
- - - $1.6 \times 10^6 e^N, N=11$
- · - $2.4 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 0.8 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 1.6 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 2.4 \times 10^6 e^N, N=11$

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

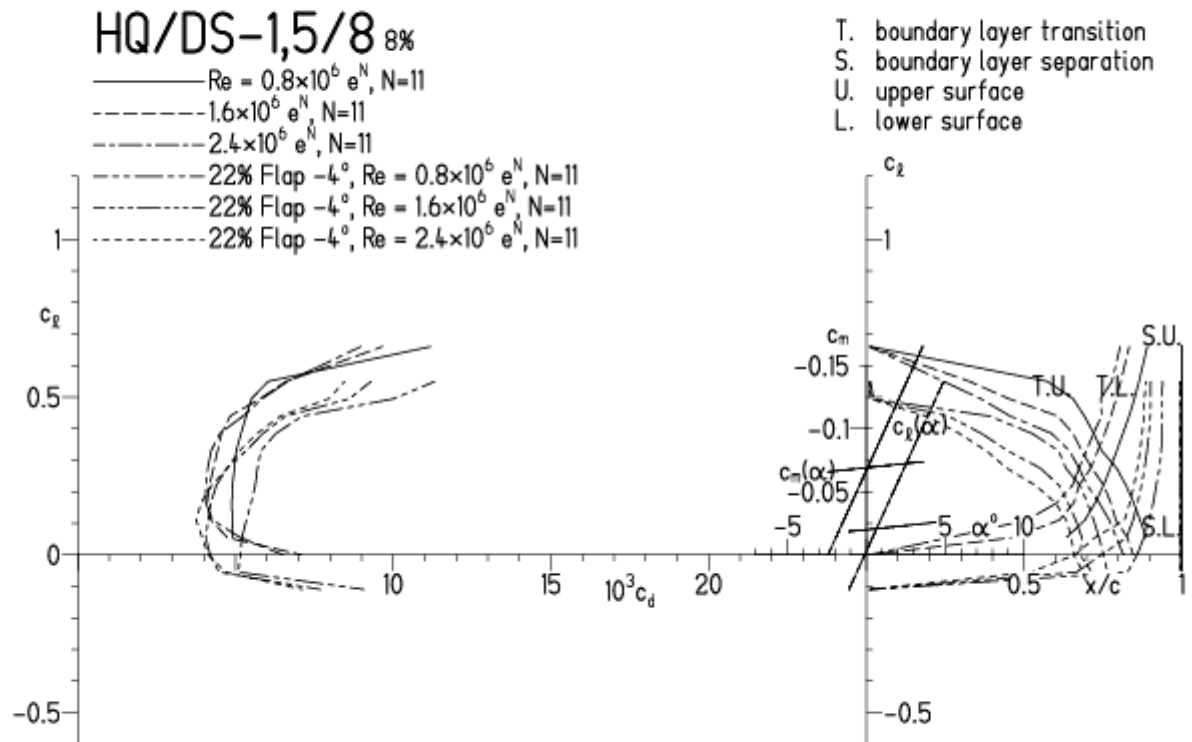


HQ/DS-1,5/8-Polaren, N=11, mit -4° Wöbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 23.3.12 10:55

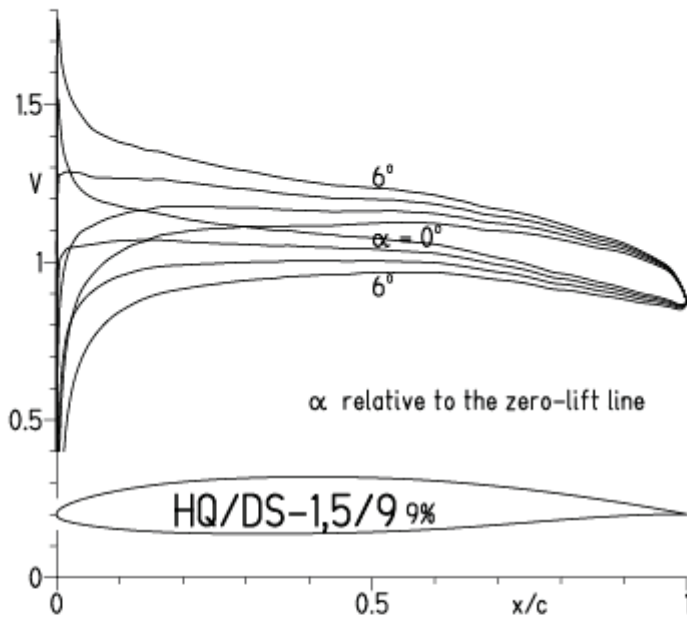


EPPLER 2005 V. 8.5



HQ/DS-1,5/9-Polaren, N=11

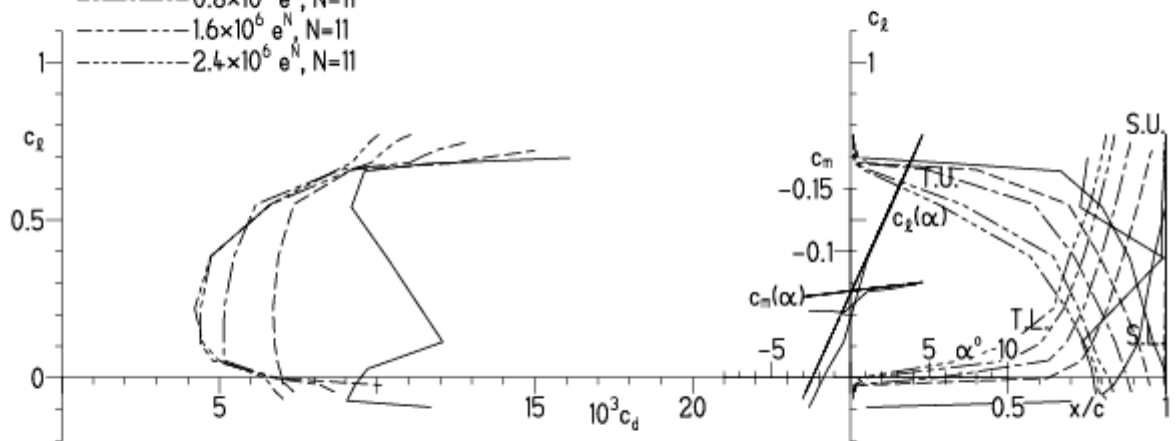
EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:01



EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:01

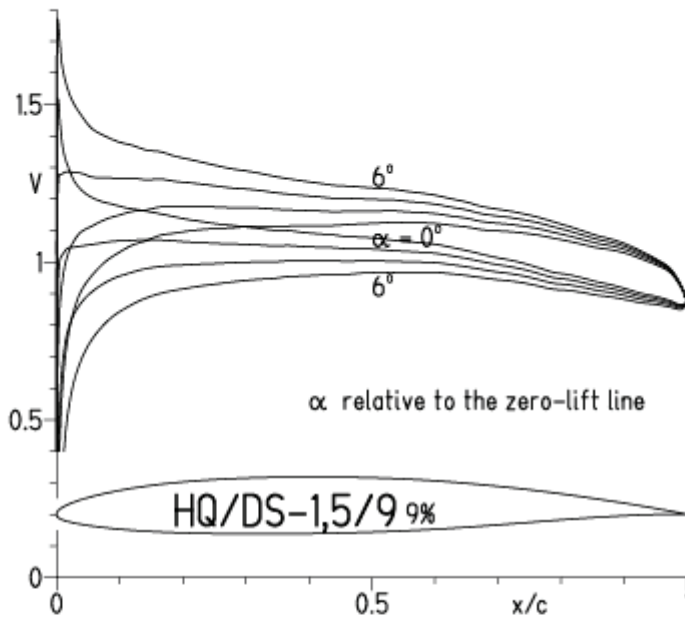
HQ/DS-1,5/9 9%

- $Re = 0.2 \times 10^6 e^N, N=11$
- - - $0.4 \times 10^6 e^N, N=11$
- · - $0.8 \times 10^6 e^N, N=11$
- · - · $1.6 \times 10^6 e^N, N=11$
- · - · - $2.4 \times 10^6 e^N, N=11$



HQ/DS-1,5/9-Polaren, N=9

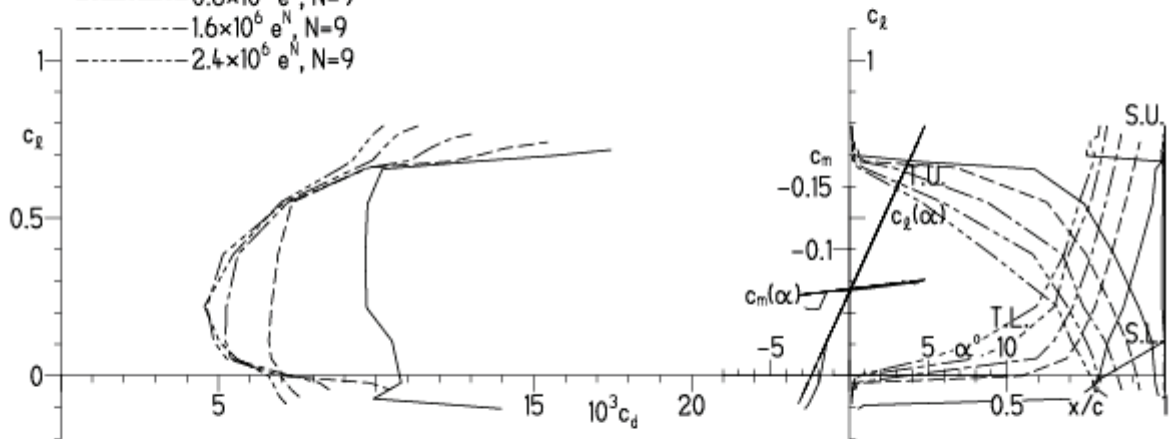
EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:03



EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:03

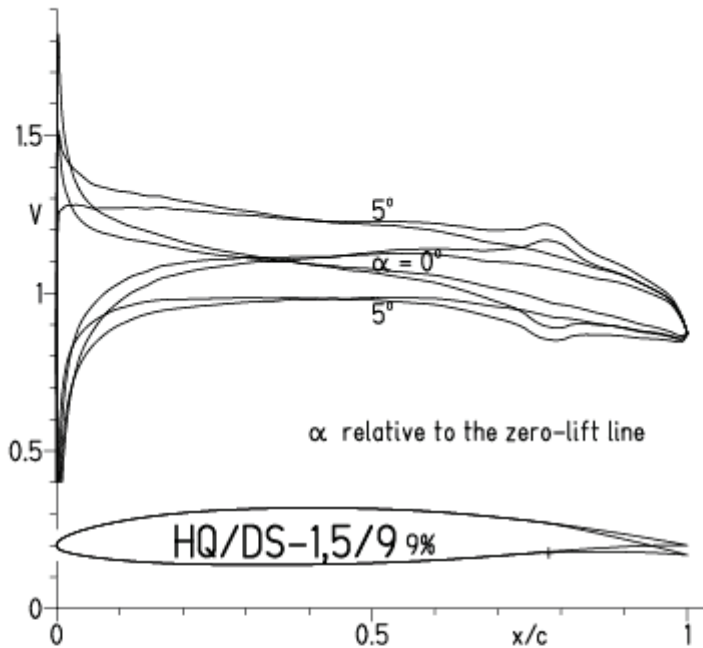
HQ/DS-1,5/9 9%

- $Re = 0.2 \times 10^6 e^N, N=9$
- - - $0.4 \times 10^6 e^N, N=9$
- · - $0.8 \times 10^6 e^N, N=9$
- · · - $1.6 \times 10^6 e^N, N=9$
- · · · - $2.4 \times 10^6 e^N, N=9$



HQ/DS-1,5/9-Polaren, N=11, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:08

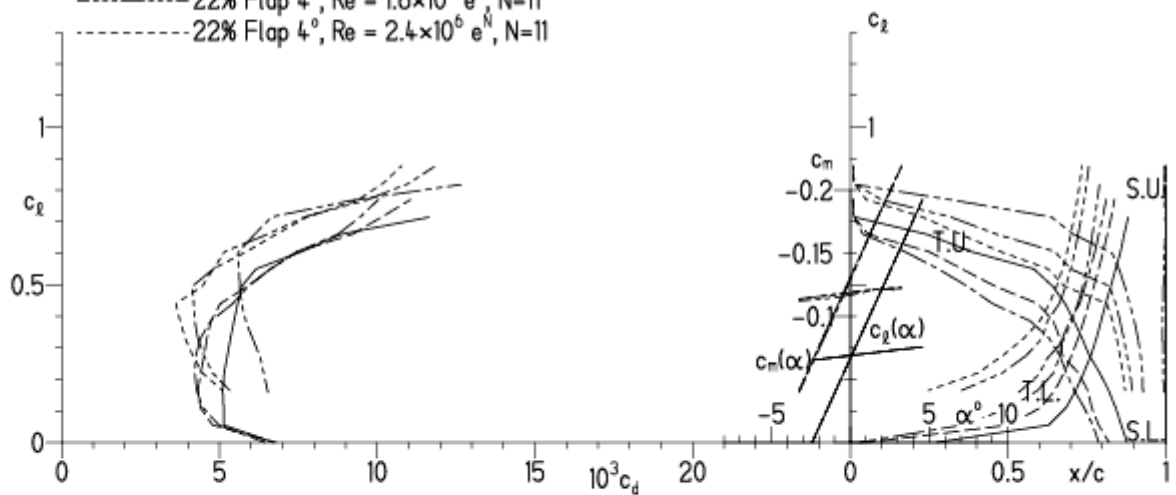


EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:08

HQ/DS-1,5/9 9%

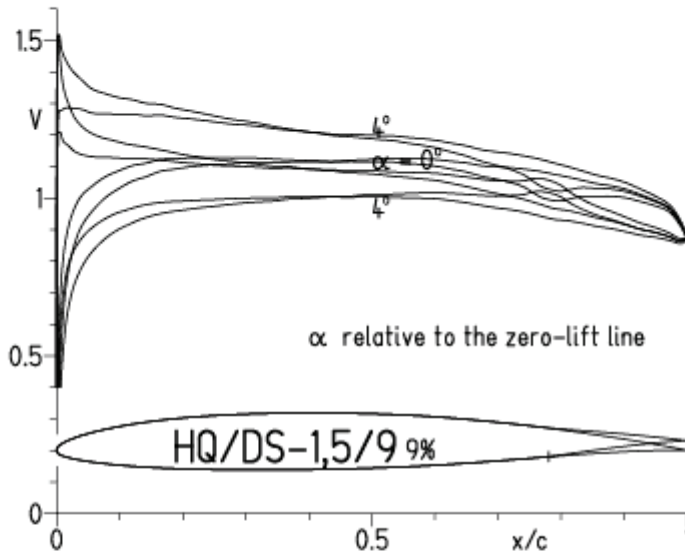
- $Re = 0.8 \times 10^6 e^N, N=11$
- - - $1.6 \times 10^6 e^N, N=11$
- · - $2.4 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 0.8 \times 10^6 e^N, N=11$
- · - · - · - 22% Flap $4^\circ, Re = 1.6 \times 10^6 e^N, N=11$
- · - · - · - · - 22% Flap $4^\circ, Re = 2.4 \times 10^6 e^N, N=11$

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

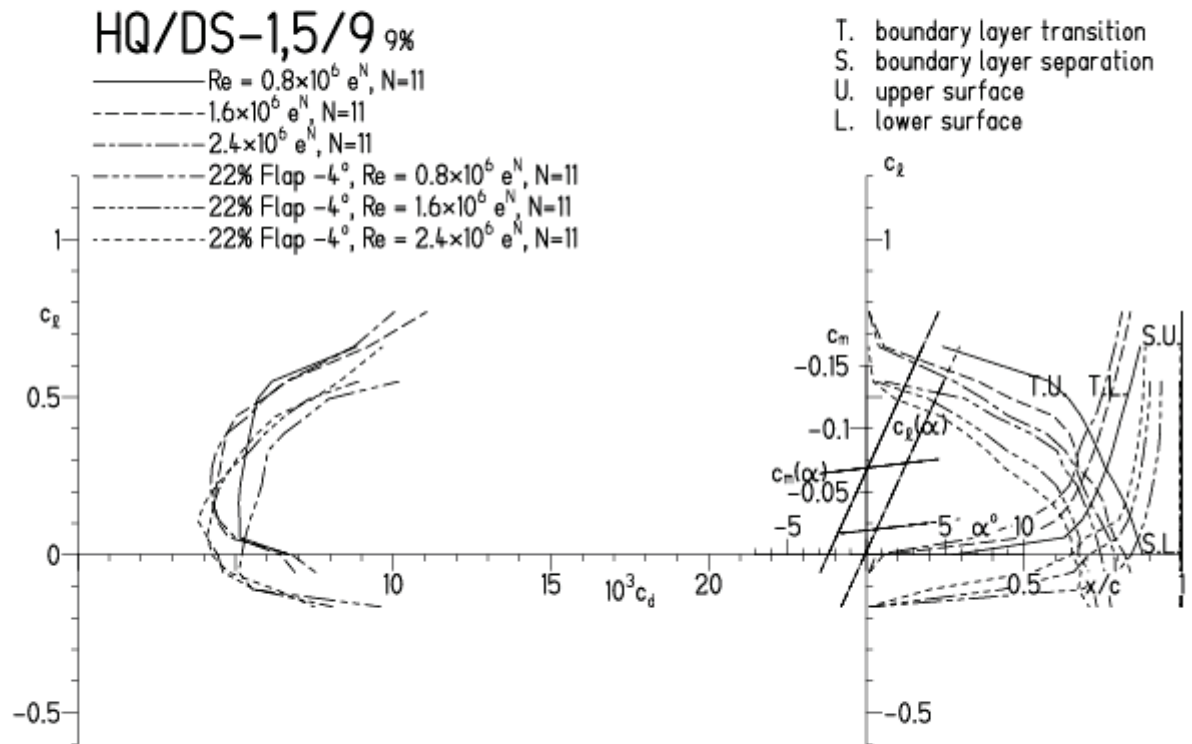


HQ/DS-1,5/9-Polaren, N=11, mit -4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:15

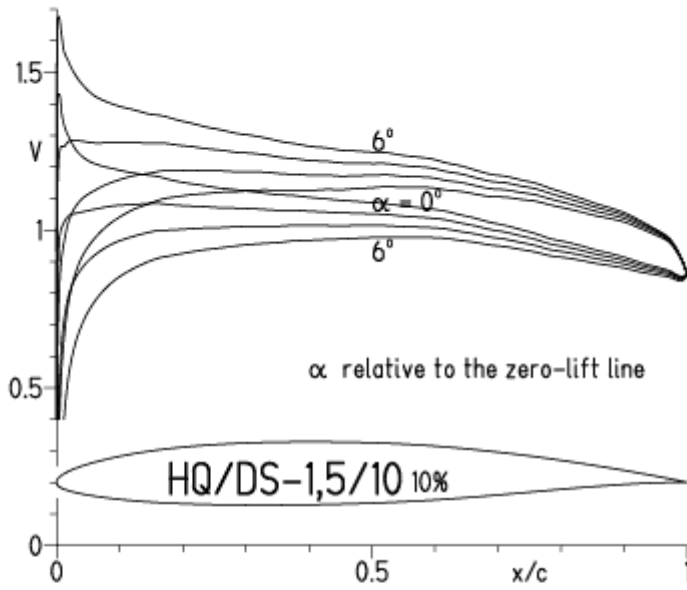


EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:15

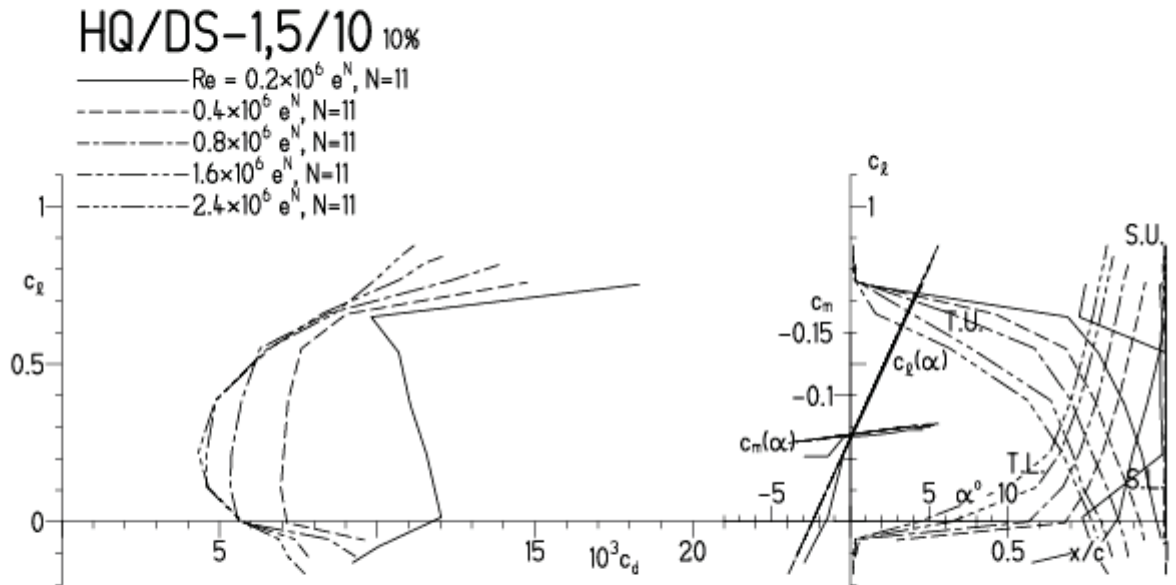


HQ/DS-1,5/10-Polaren, N=11

EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:20

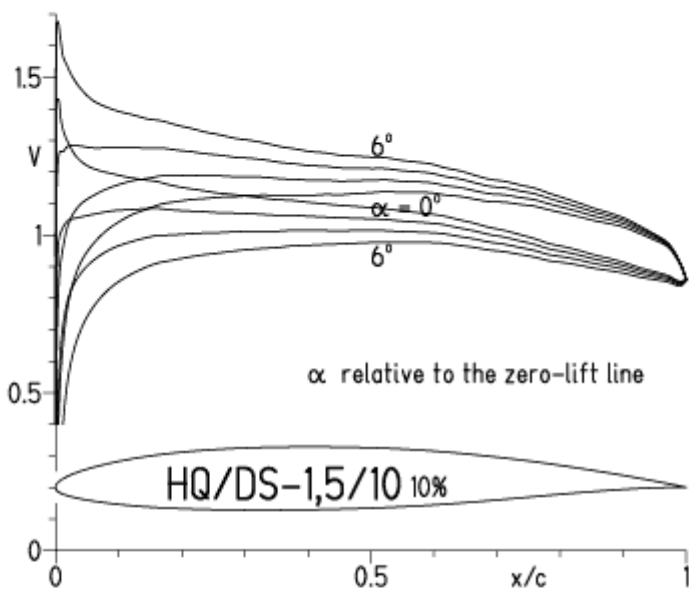


EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:20

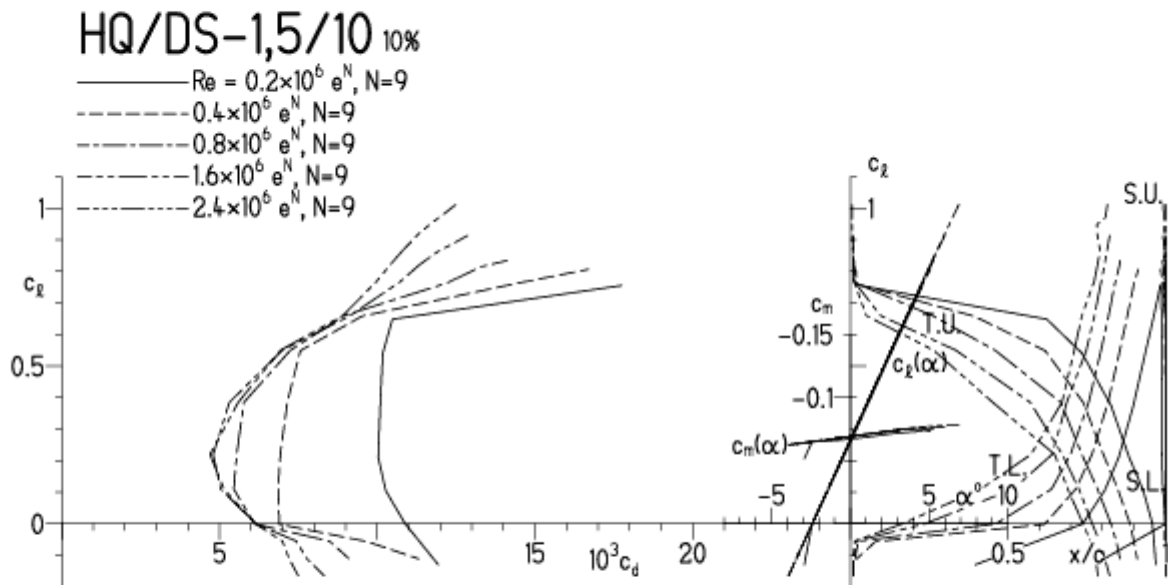


HQ/DS-1,5/10-Polaren, N=9

EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:31

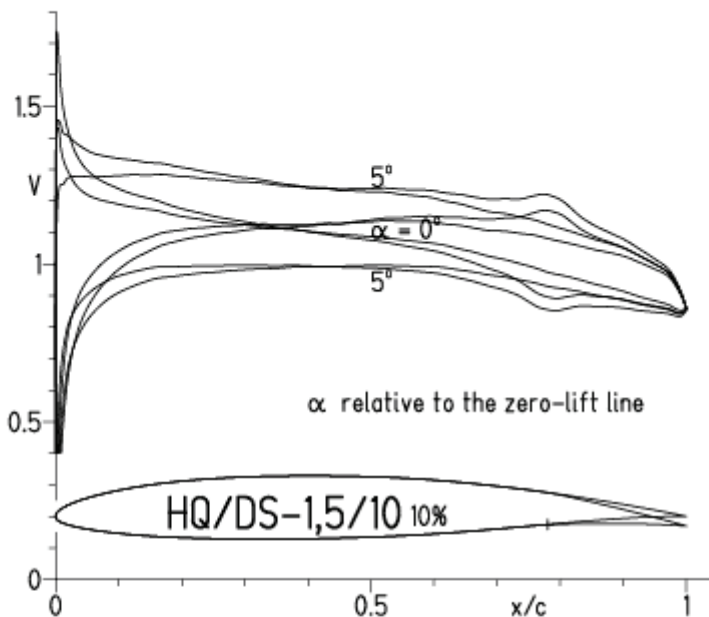


EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:31



HQ/DS-1,5/10-Polaren, N=11, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:36

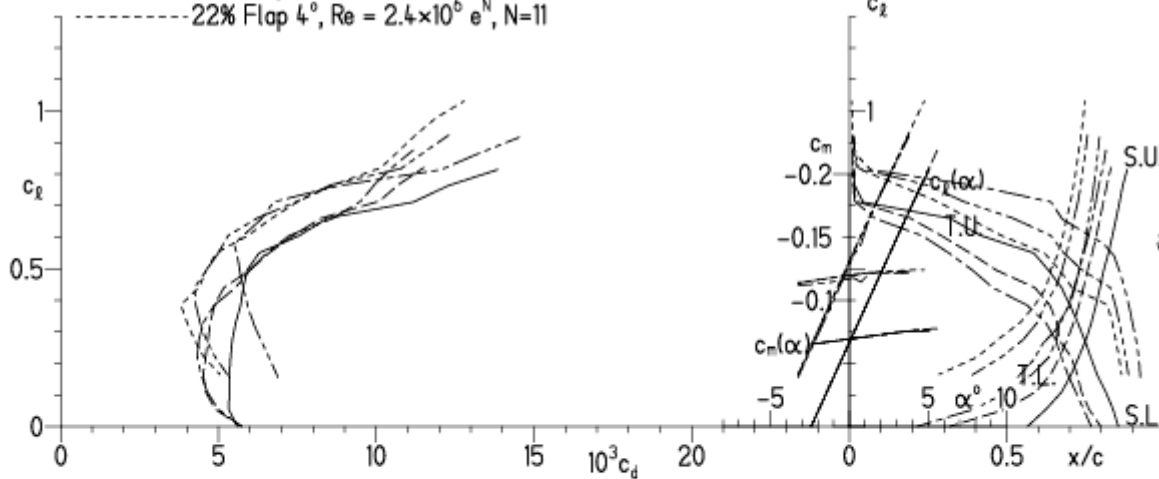


EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:36

HQ/DS-1,5/10 10%

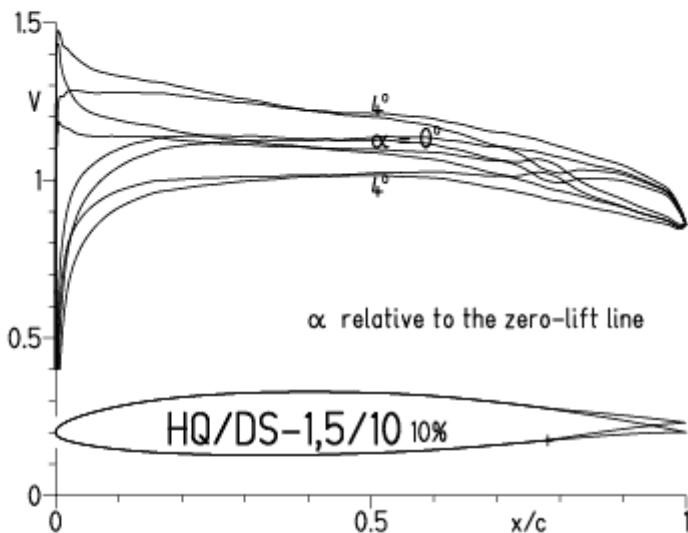
- $Re = 0.8 \times 10^6 e^N, N=11$
- - - $1.6 \times 10^6 e^N, N=11$
- · - $2.4 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 0.8 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 1.6 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 2.4 \times 10^6 e^N, N=11$

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

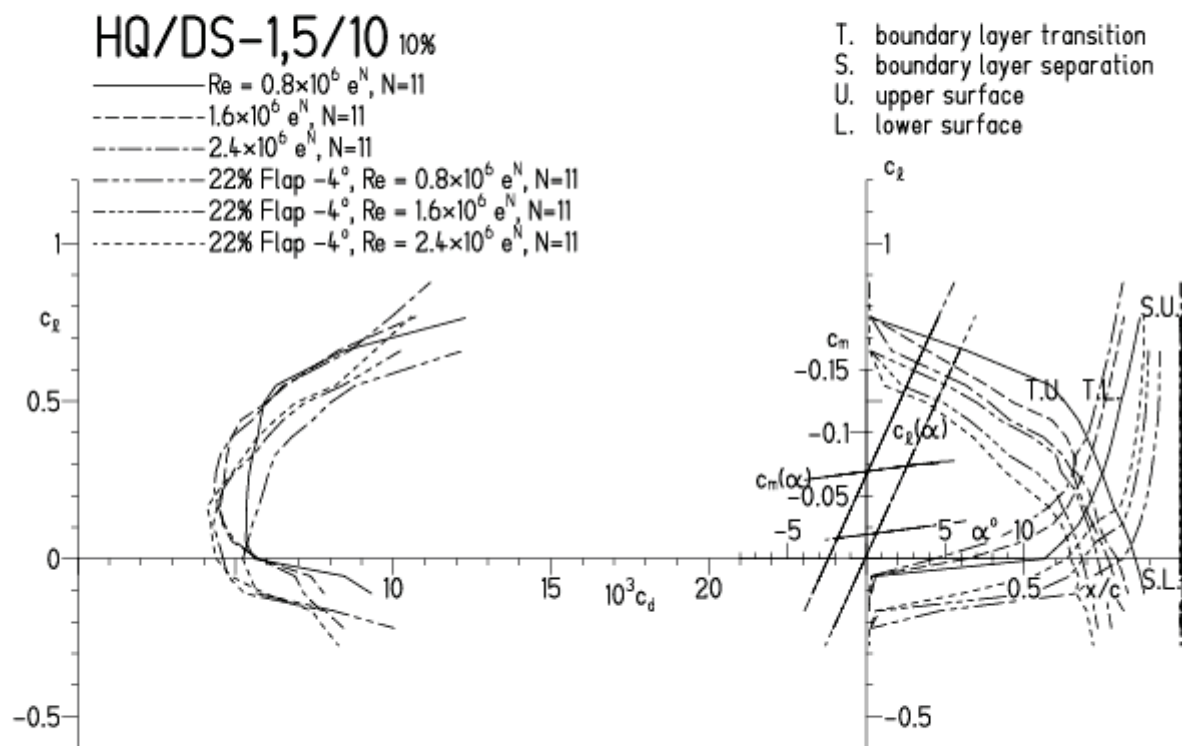


HQ/DS-1,5/10-Polaren, N=11, mit -4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:52

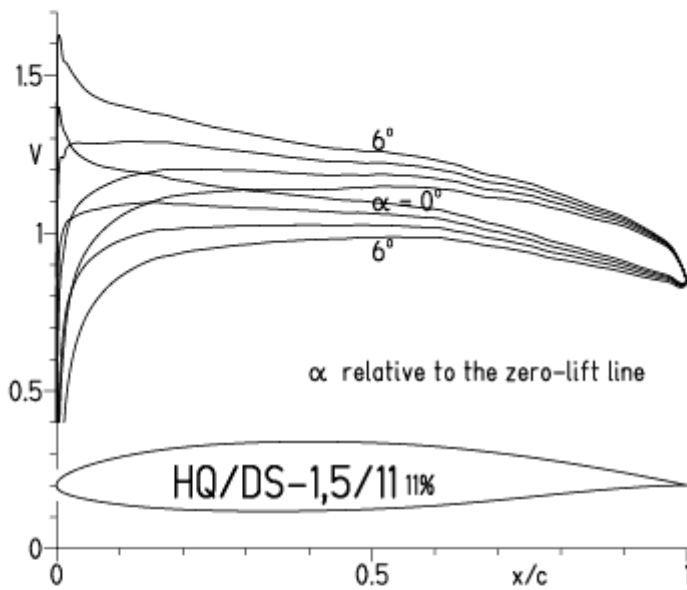


EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:52

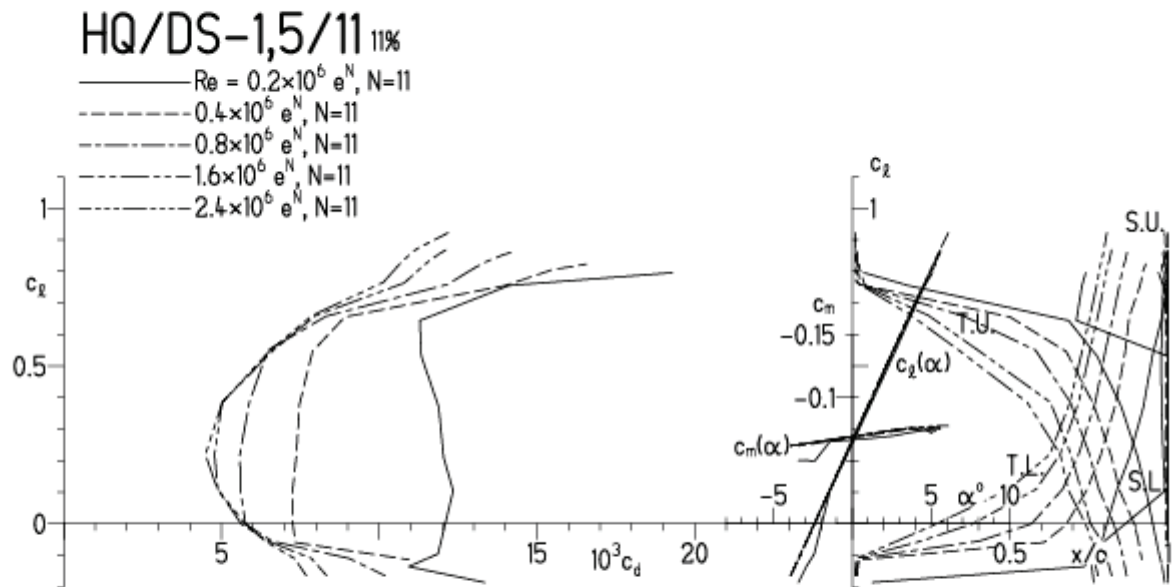


HQ/DS-1,5/11-Polaren, N=11

EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:57

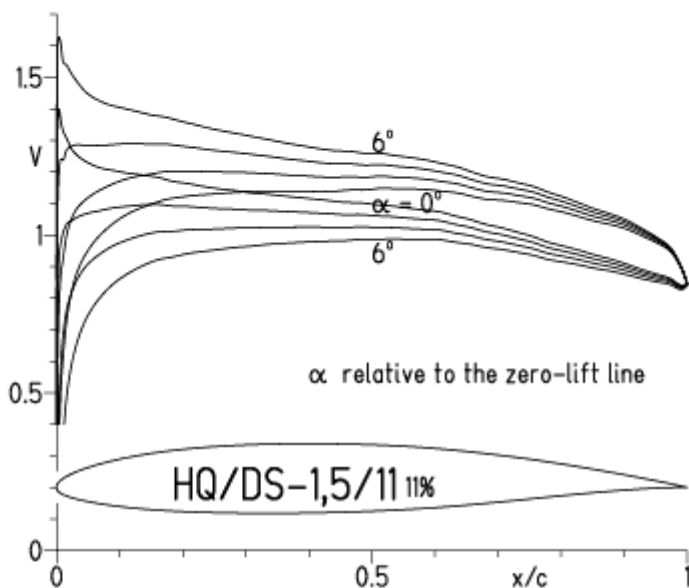


EPPLER 2005 V. 8.5.07 RUN 23.3.12 11:57

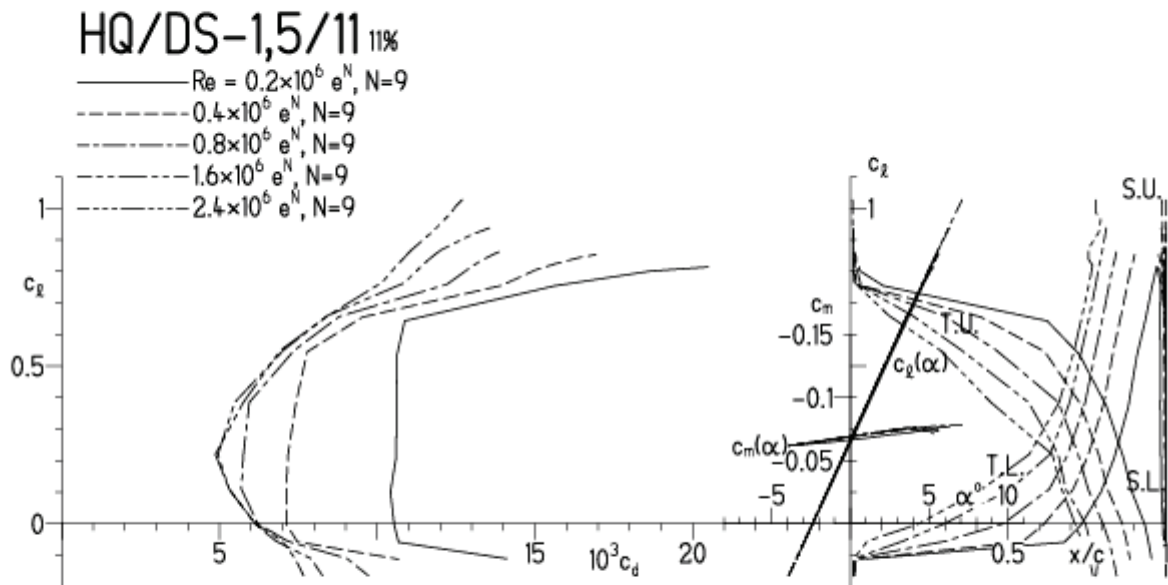


HQ/DS-1,5/11-Polaren, N=9

EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:00

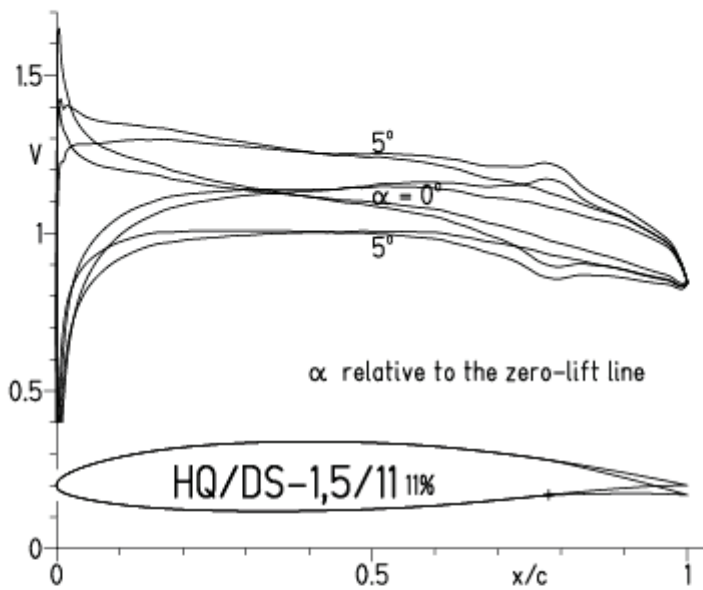


EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:00



HQ/DS-1,5/11-Polaren, N=11, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:05

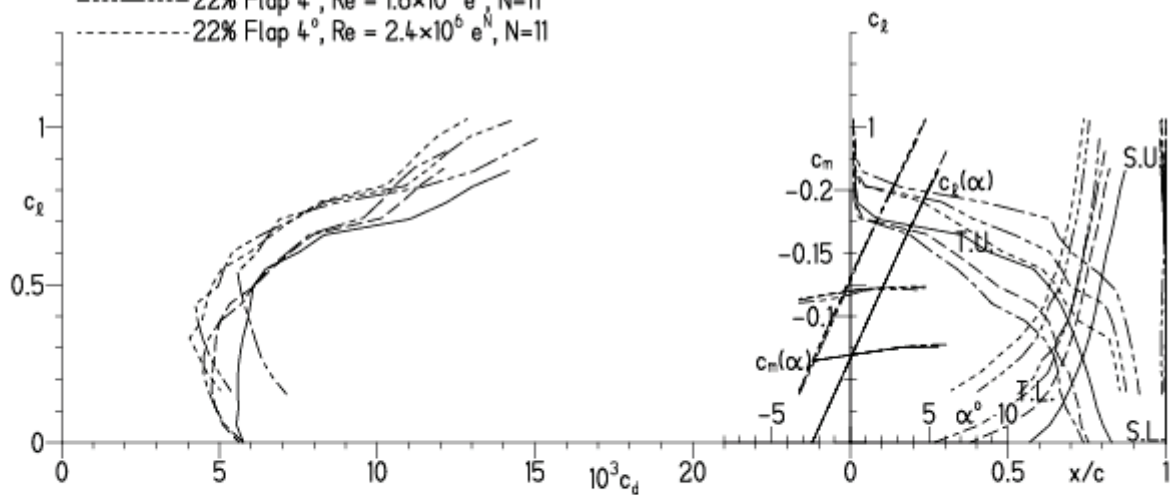


EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:05

HQ/DS-1,5/11 11%

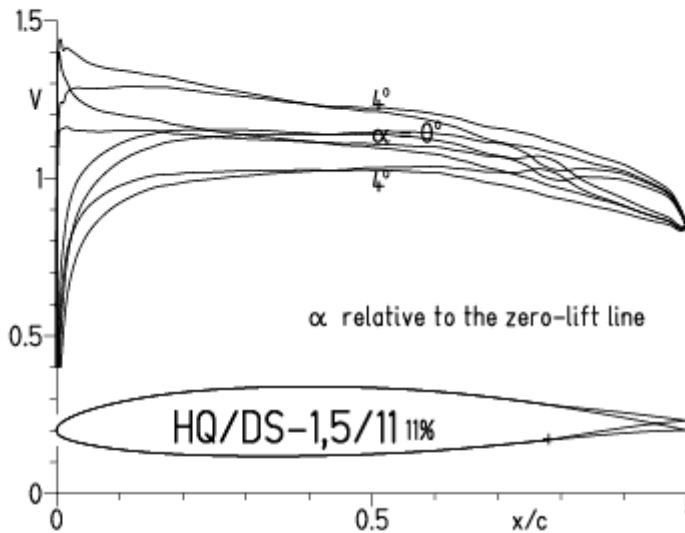
- $Re = 0.8 \times 10^6 e^N, N=11$
- - - $1.6 \times 10^6 e^N, N=11$
- · - $2.4 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 0.8 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 1.6 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 2.4 \times 10^6 e^N, N=11$

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

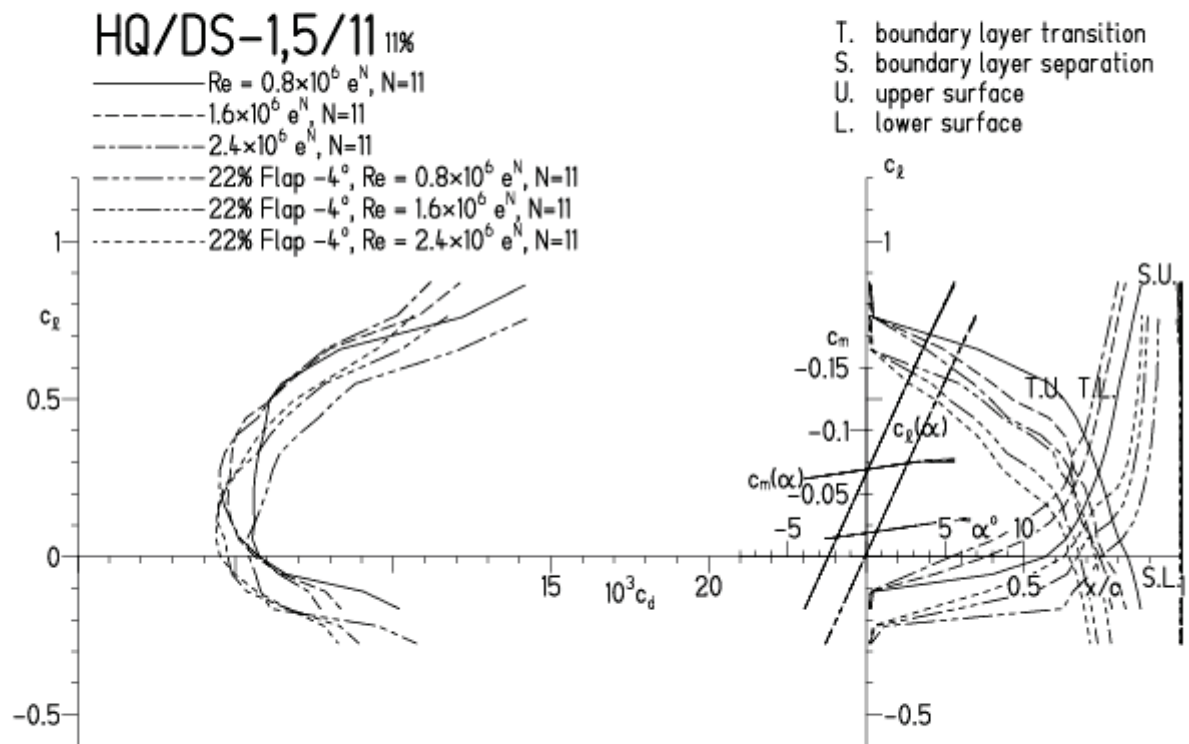


HQ/DS-1,5/11-Polaren, N=11, mit -4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:11

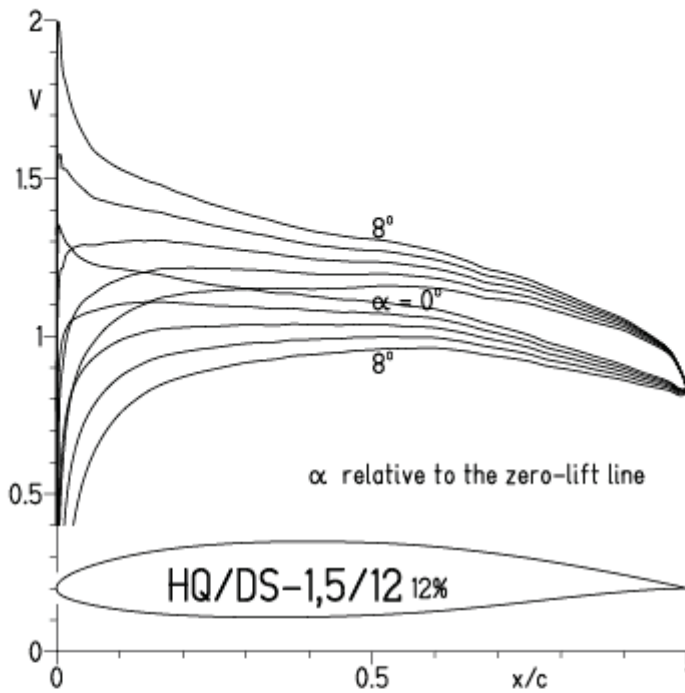


EPPLER 2005 V. 8.



HQ/DS-1,5/12-Polaren, N=11

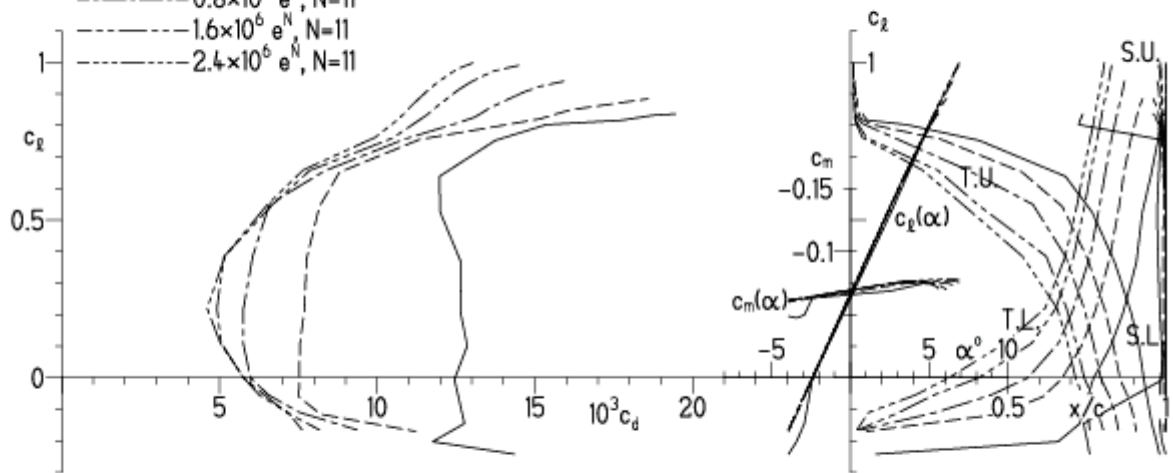
EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:16



EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:16

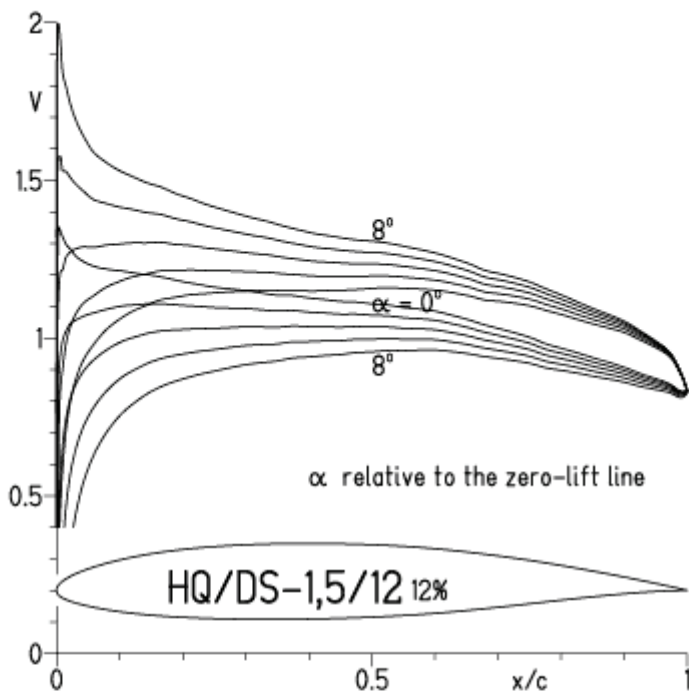
HQ/DS-1,5/12 12%

- $Re = 0.2 \times 10^6 e^N, N=11$
- - - $0.4 \times 10^6 e^N, N=11$
- · - $0.8 \times 10^6 e^N, N=11$
- · - · $1.6 \times 10^6 e^N, N=11$
- · - · - $2.4 \times 10^6 e^N, N=11$



HQ/DS-1,5/12-Polaren, N=9

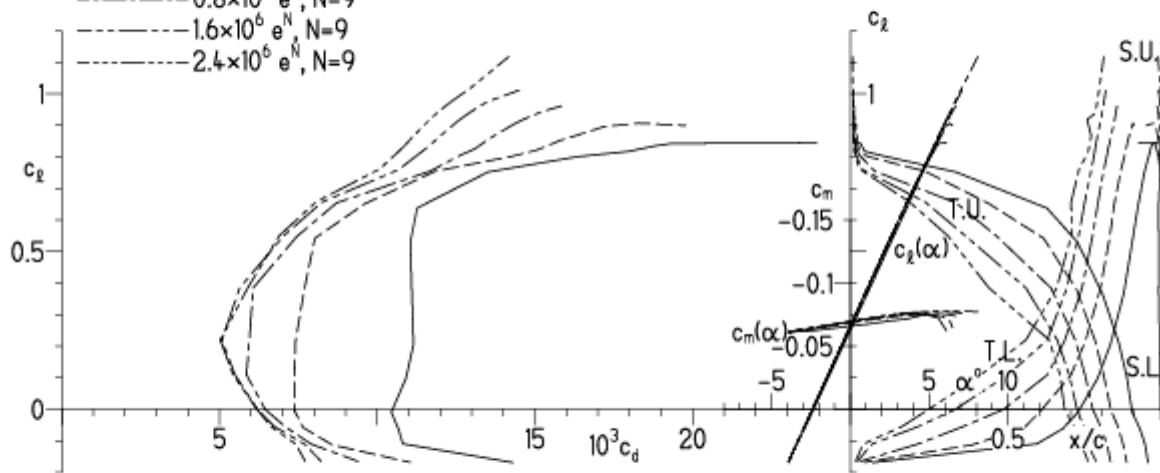
EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:24



EPPLER 2005 V. 8

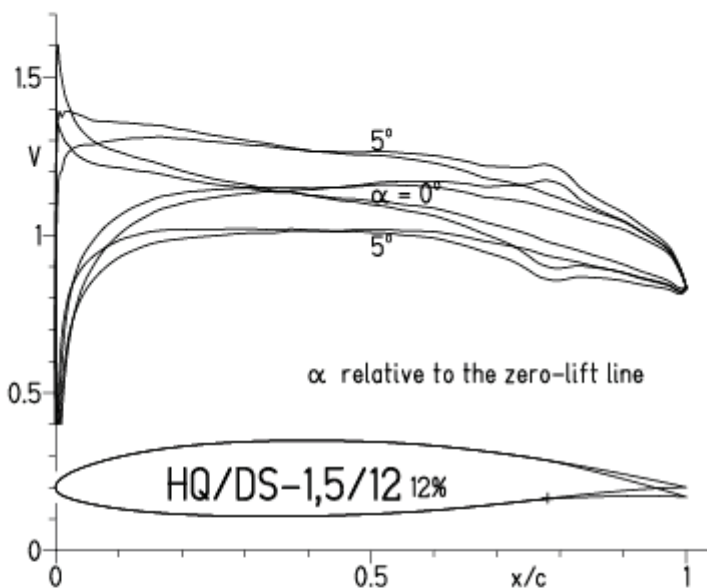
HQ/DS-1,5/12 12%

- $Re = 0.2 \times 10^6 e^N, N=9$
- - - $0.4 \times 10^6 e^N, N=9$
- · - $0.8 \times 10^6 e^N, N=9$
- · - · $1.6 \times 10^6 e^N, N=9$
- · - · - $2.4 \times 10^6 e^N, N=9$



HQ/DS-1,5/12-Polaren, N=11, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:31

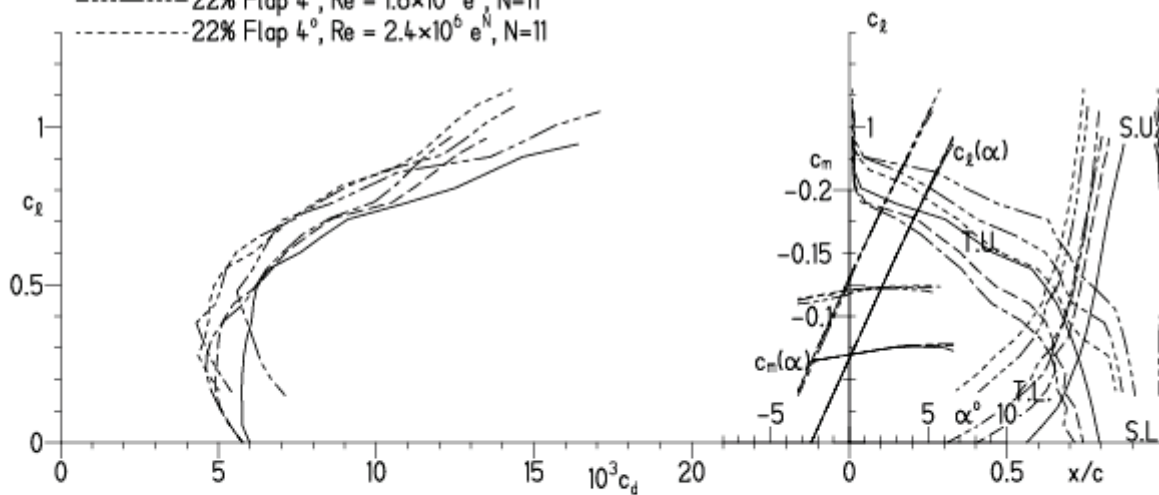


EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:31

HQ/DS-1,5/12 12%

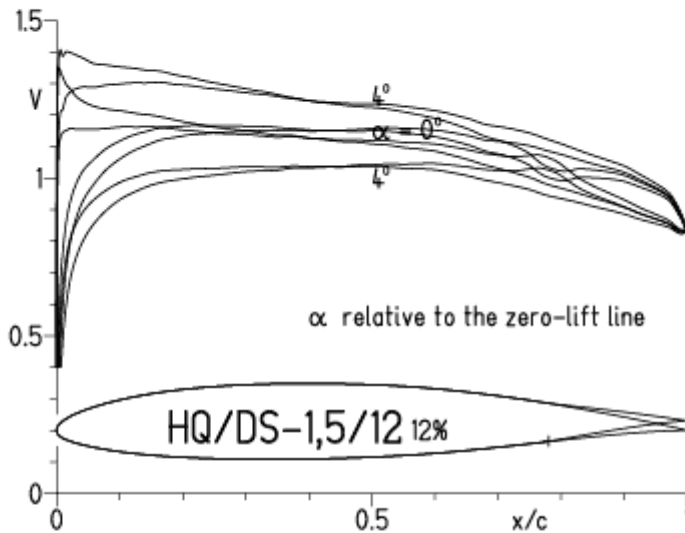
- $Re = 0.8 \times 10^6 e^N, N=11$
- - - $1.6 \times 10^6 e^N, N=11$
- · - $2.4 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 0.8 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 1.6 \times 10^6 e^N, N=11$
- · - · - 22% Flap $4^\circ, Re = 2.4 \times 10^6 e^N, N=11$

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



HQ/DS-1,5/12-Polaren, N=11, mit -4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:37



EPPLER 2005 V. 8.5.07 RUN 23.3.12 12:37

