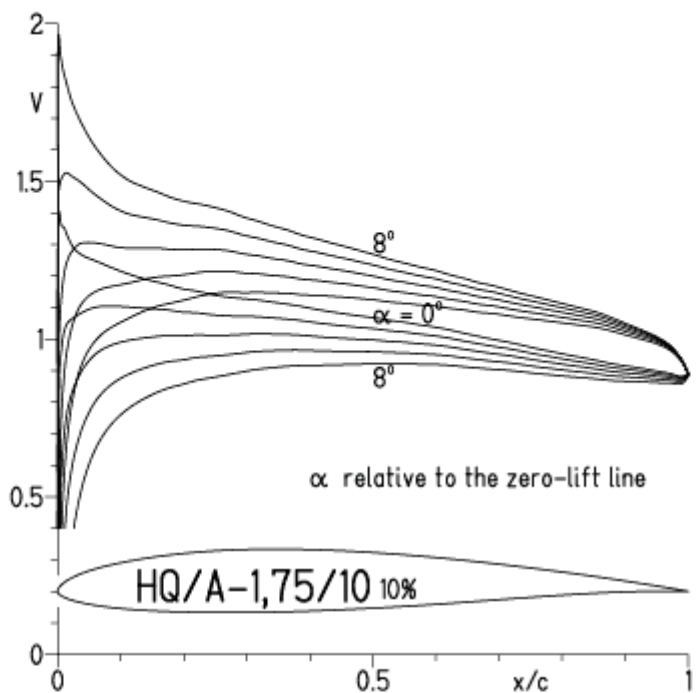


# HQ/ACRO-1,75/10, N=11

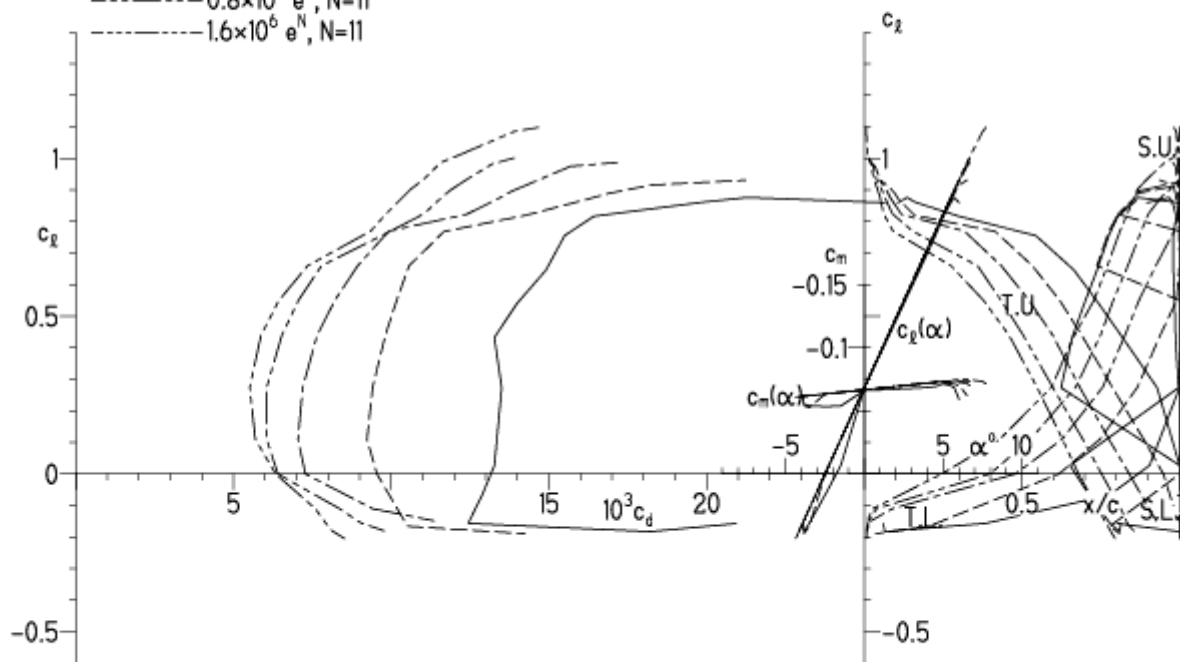
EPPLER 2005 V. 8.5.07 RUN 1.8.12 12:51



EPPLER 2005 V. 8.5.07 RUN 1.8.12 12:51

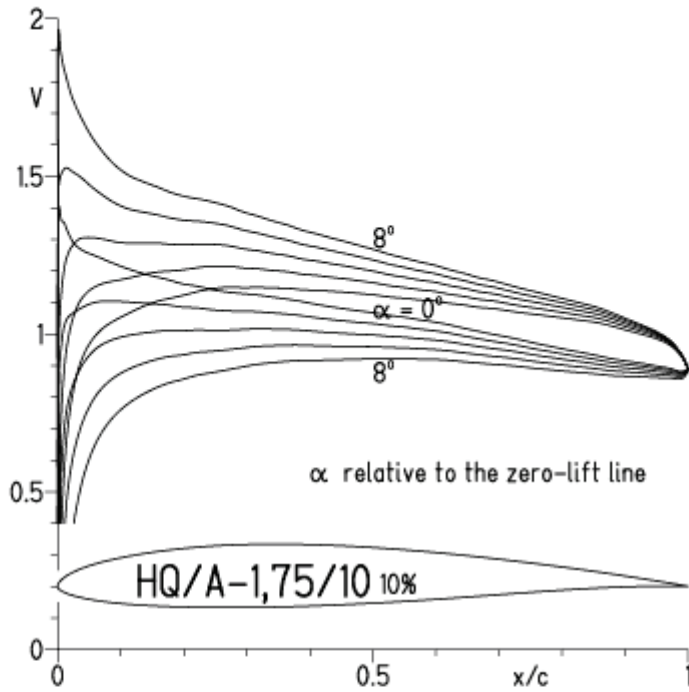
## HQ/A-1,75/10 10%

- $Re = 0.1 \times 10^6 e^N, N=11$
- - -  $0.2 \times 10^6 e^N, N=11$
- · -  $0.4 \times 10^6 e^N, N=11$
- · - ·  $0.8 \times 10^6 e^N, N=11$
- · - · -  $1.6 \times 10^6 e^N, N=11$



HQ/ACRO-1,75/10, N=9

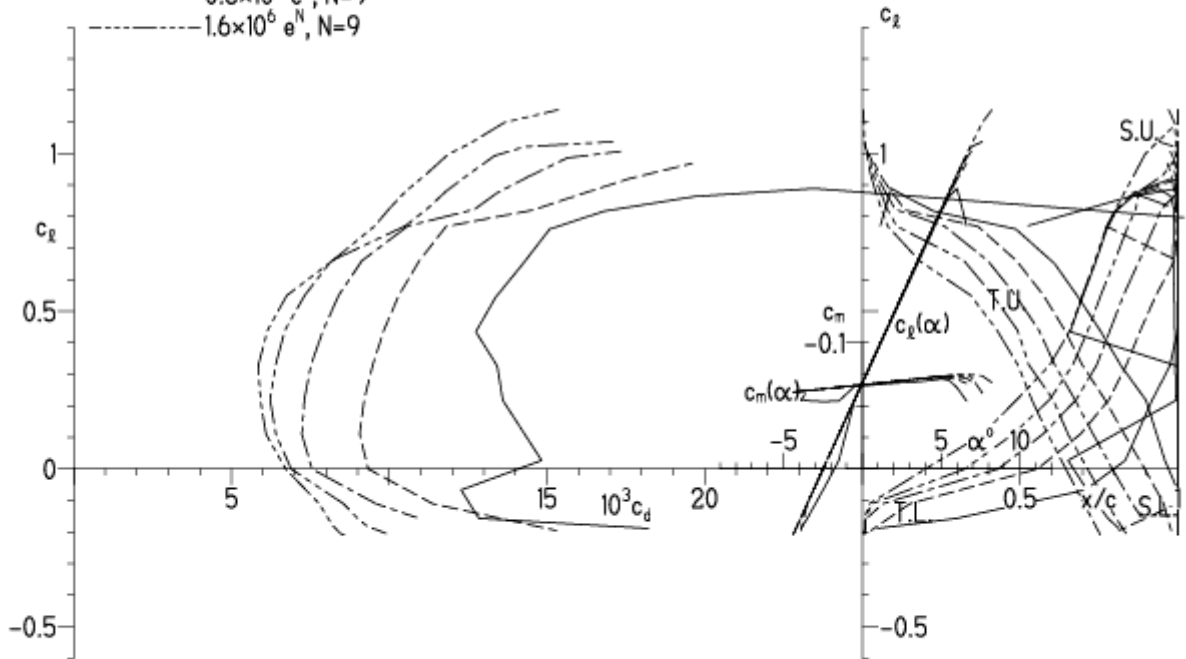
EPPLER 2005 V. 8.5.07 RUN 1.8.12 13:08



EPPLER 2005 V. 8.5.07 RUN 1.8.12 13:08

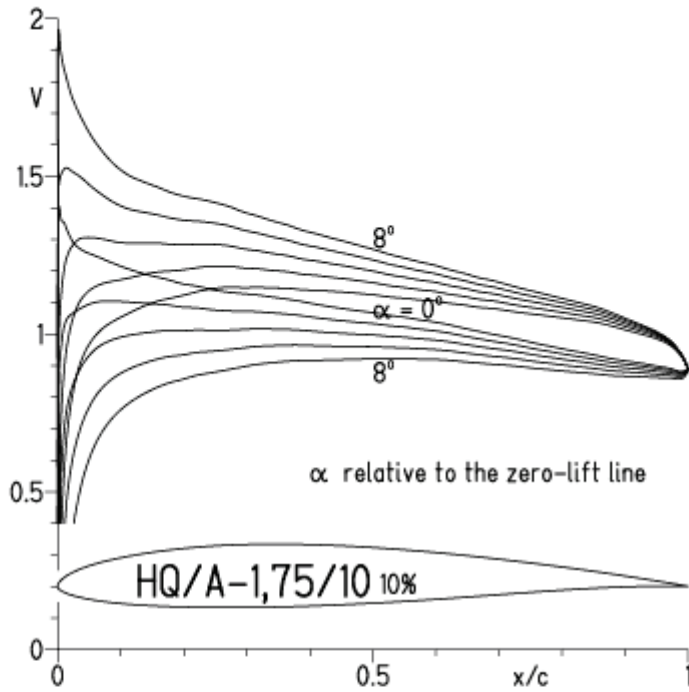
HQ/A-1,75/10 10%

- $Re = 0.1 \times 10^6 e^N, N=9$
- - -  $0.2 \times 10^6 e^N, N=9$
- · -  $0.4 \times 10^6 e^N, N=9$
- - -  $0.8 \times 10^6 e^N, N=9$
- · -  $1.6 \times 10^6 e^N, N=9$



HQ/ACRO-1,75/10, N=9 (turbulenter Flächenspitzenbereich)

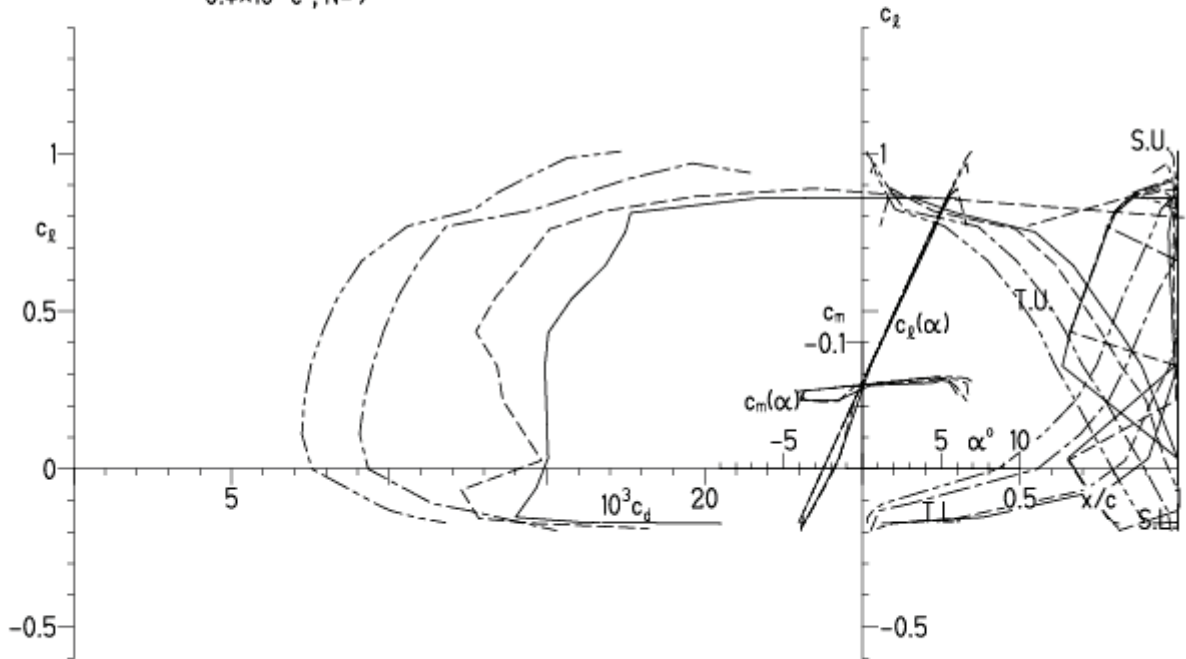
EPPLER 2005 V. 8.5.07 RUN 1.8.12 13:21



EPPLER 2005 V. 8.5.07 RUN 1.8.12 13:21

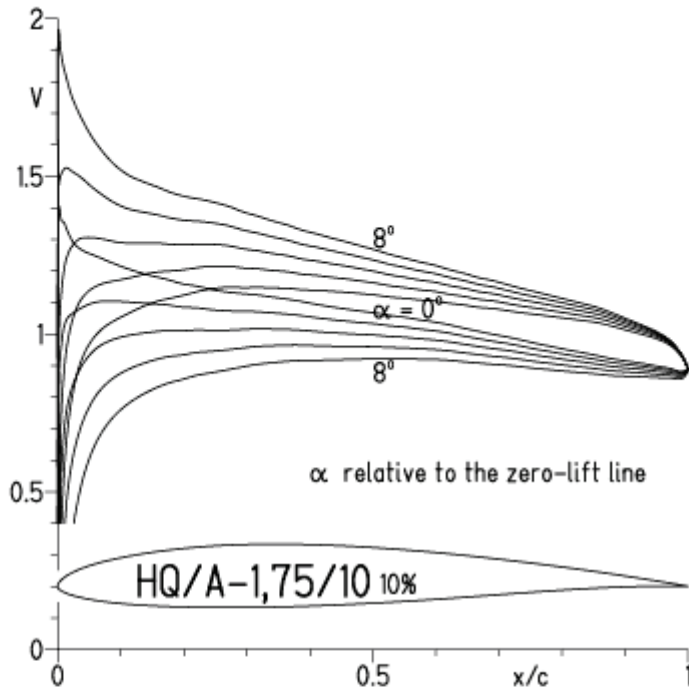
**HQ/A-1,75/10** 10%

- $Re = 75\,000 e^N, N=9$
- - -  $0.1 \times 10^6 e^N, N=9$
- · -  $0.2 \times 10^6 e^N, N=9$
- · - ·  $0.4 \times 10^6 e^N, N=9$



HQ/ACRO-1,75/10, N=7 (turbulenter Flächenspitzenbereich)

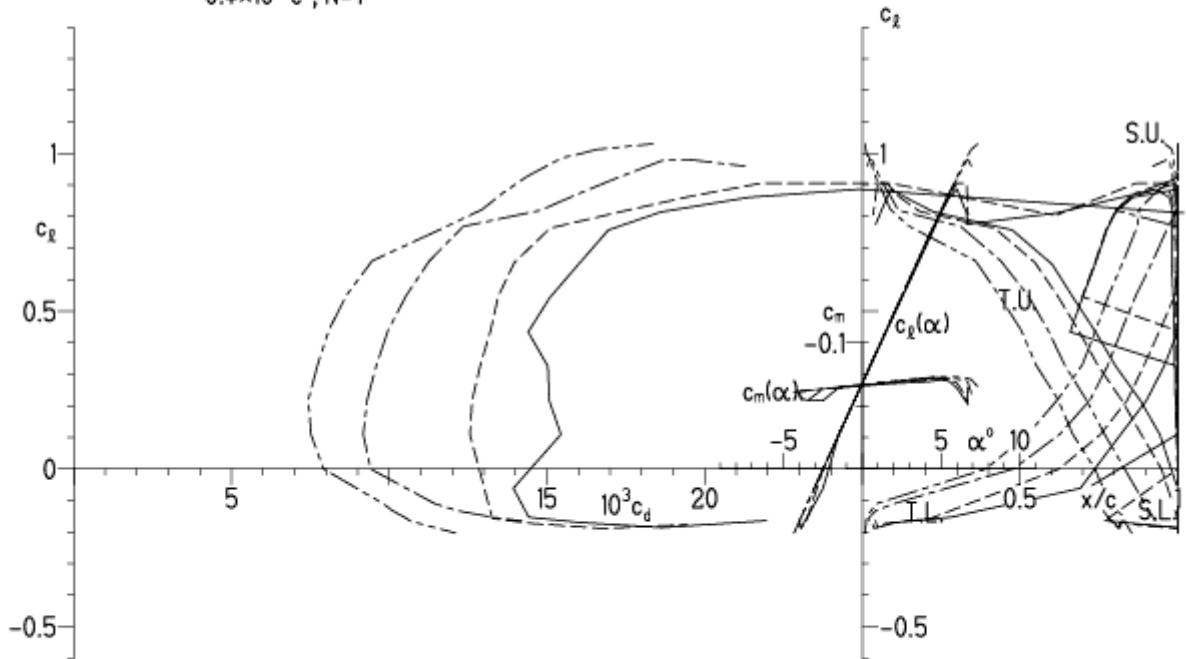
EPPLER 2005 V. 8.5.07 RUN 2.8.12 11:21



EPPLER 2005 V. 8.5.

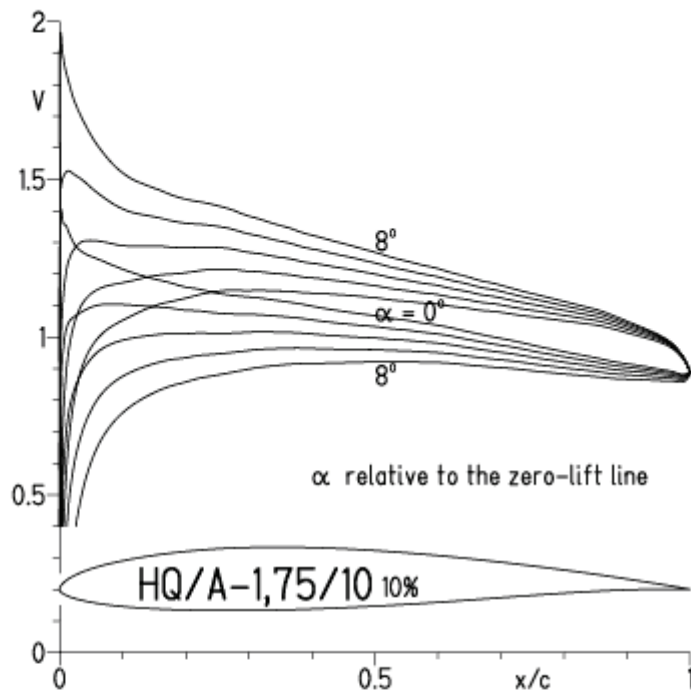
HQ/A-1,75/10 10%

- $Re = 75\,000 e^N, N=7$
- - -  $0.1 \times 10^6 e^N, N=7$
- · -  $0.2 \times 10^6 e^N, N=7$
- · - ·  $0.4 \times 10^6 e^N, N=7$



# HQ/ACRO-1,75/10, N=7 (turbulenter Flächenspitzenbereich), Turbulatoreffekt

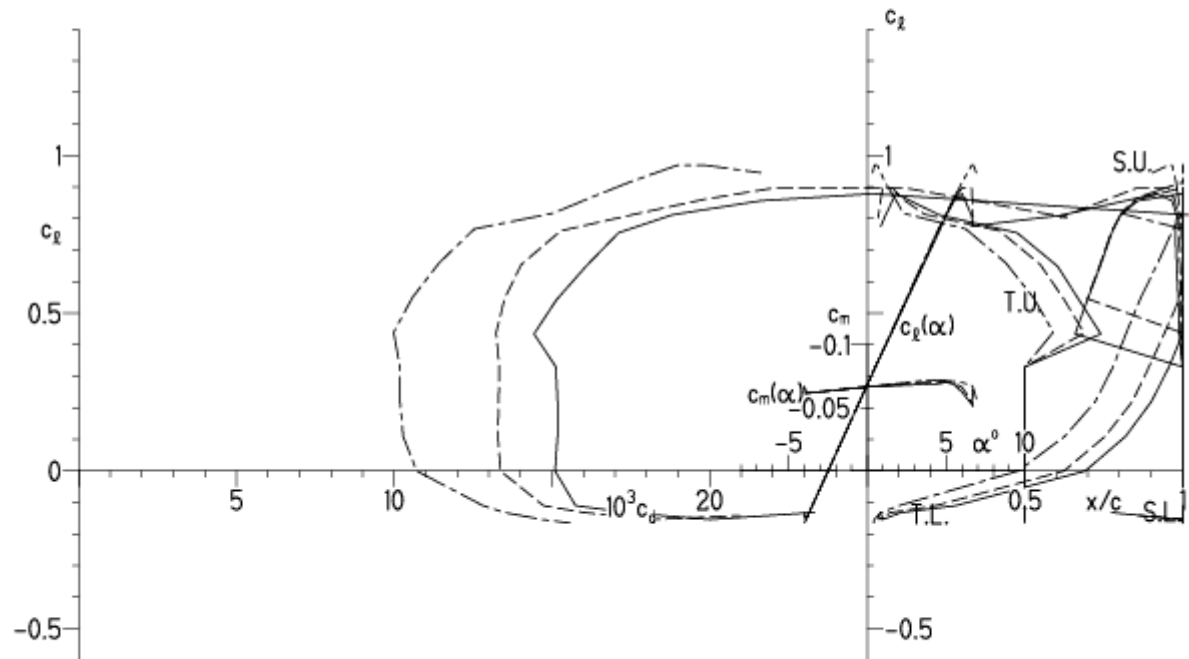
EPPLER 2005 V. 8.5.07 RUN 2.8.12 11:36



EPPLER 2005 V. 8.5.07 RUN 2.8.12 11:36

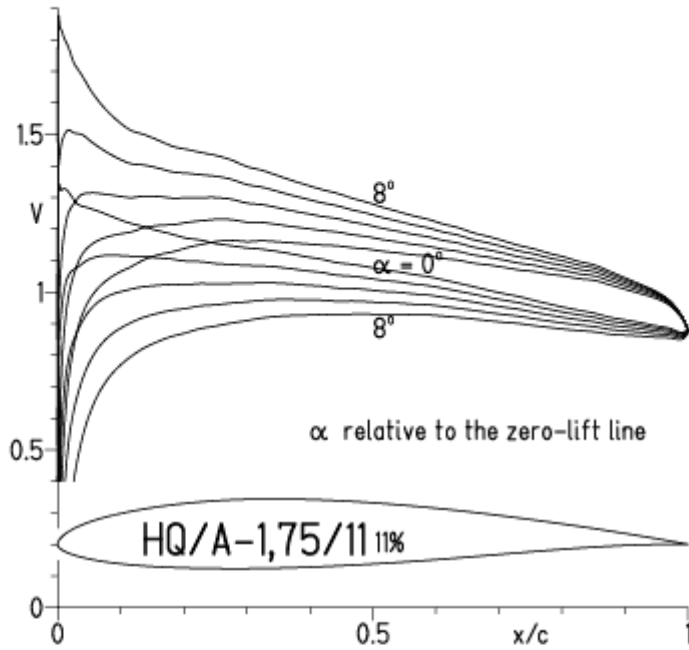
## HQ/A-1,75/10 10%

- $Re = 75\,000$ , Turb. upper 50%  $e^N$ ,  $N=7$
- - -  $0.1 \times 10^6$ , Turb. upper 50%  $e^N$ ,  $N=7$
- · -  $0.2 \times 10^6$ , Turb. upper 50%  $e^N$ ,  $N=7$



HQ/ACRO-1,75/11, N=11

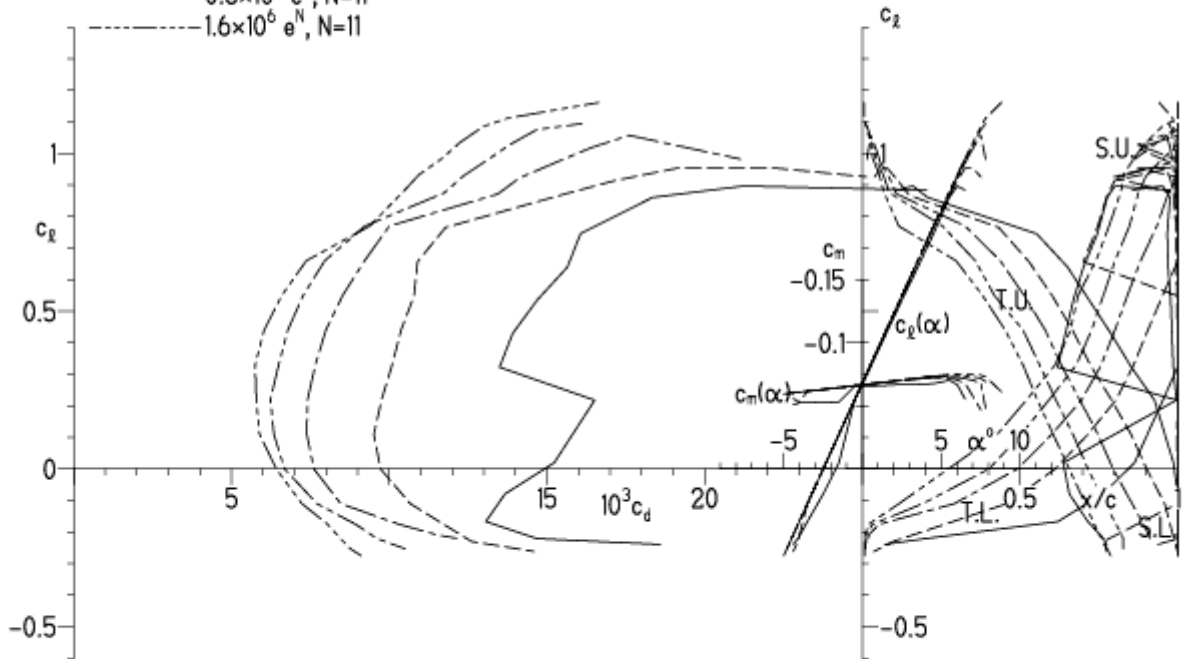
EPPLER 2005 V. 8.5.07 RUN 2.8.12 12:15



EPPLER 2005 V. 8.5.07 RUN 2.8.12 12:15

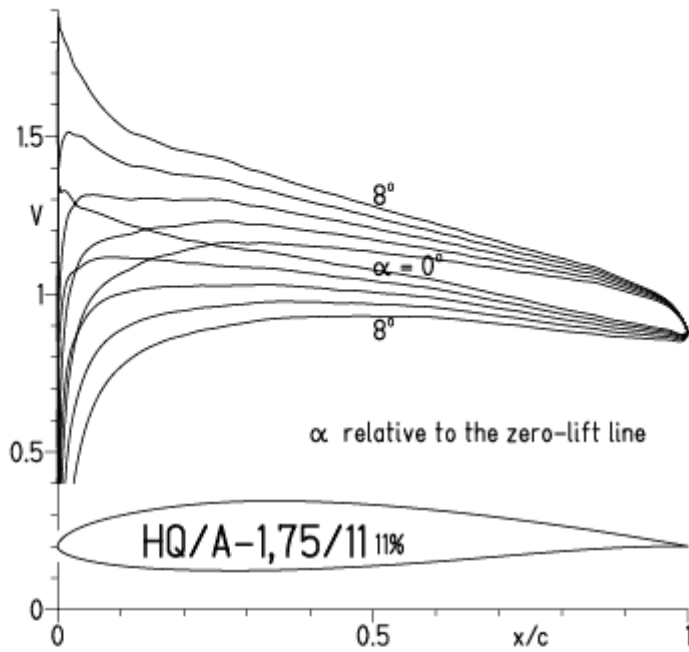
HQ/A-1,75/11 11%

- $Re = 0.1 \times 10^6 e^N, N=11$
- - -  $0.2 \times 10^6 e^N, N=11$
- - -  $0.4 \times 10^6 e^N, N=11$
- - -  $0.8 \times 10^6 e^N, N=11$
- - -  $1.6 \times 10^6 e^N, N=11$



HQ/ACRO-1,75/11, N=9

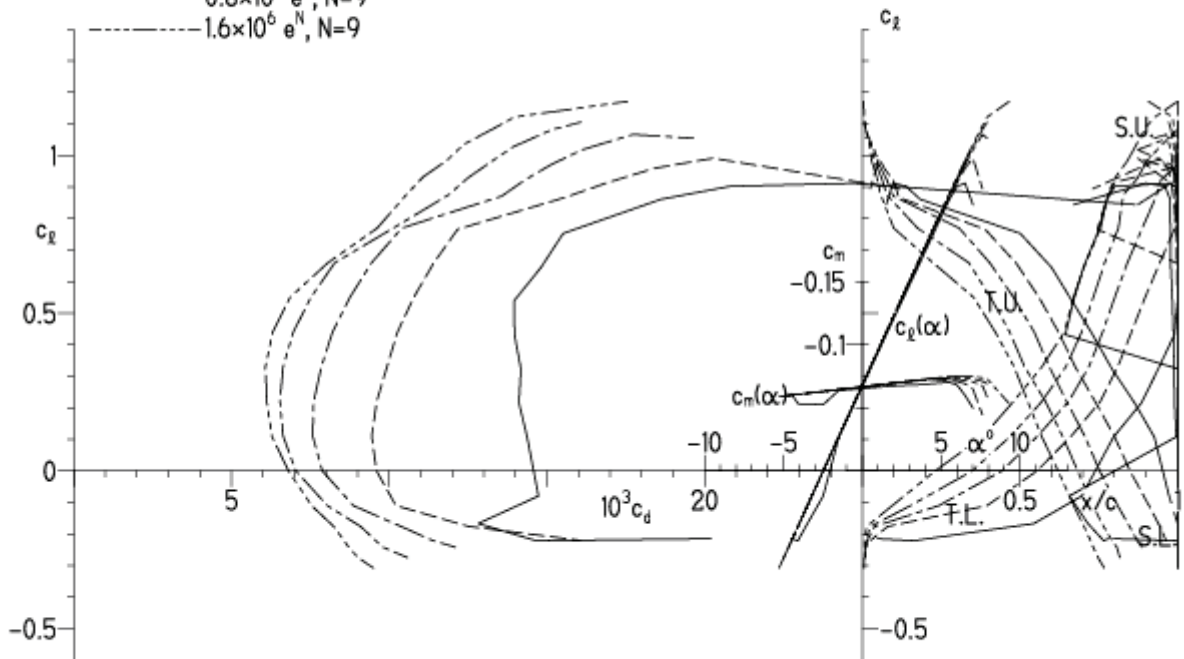
EPPLER 2005 V. 8.5.07 RUN 2.8.12 12:43



EPPLER 2005 V. 8.5.07 RUN 2.8.12 12:43

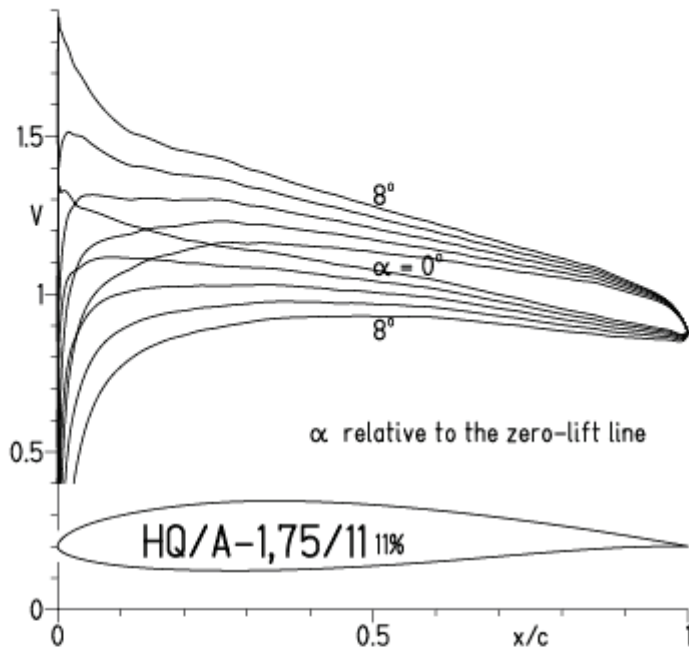
HQ/A-1,75/11 11%

- $Re = 0.1 \times 10^6 e^N, N=9$
- - -  $0.2 \times 10^6 e^N, N=9$
- · -  $0.4 \times 10^6 e^N, N=9$
- - -  $0.8 \times 10^6 e^N, N=9$
- · -  $1.6 \times 10^6 e^N, N=9$



HQ/ACRO-1,75/11, N=9 (turbulenter Flächenspitzenbereich)

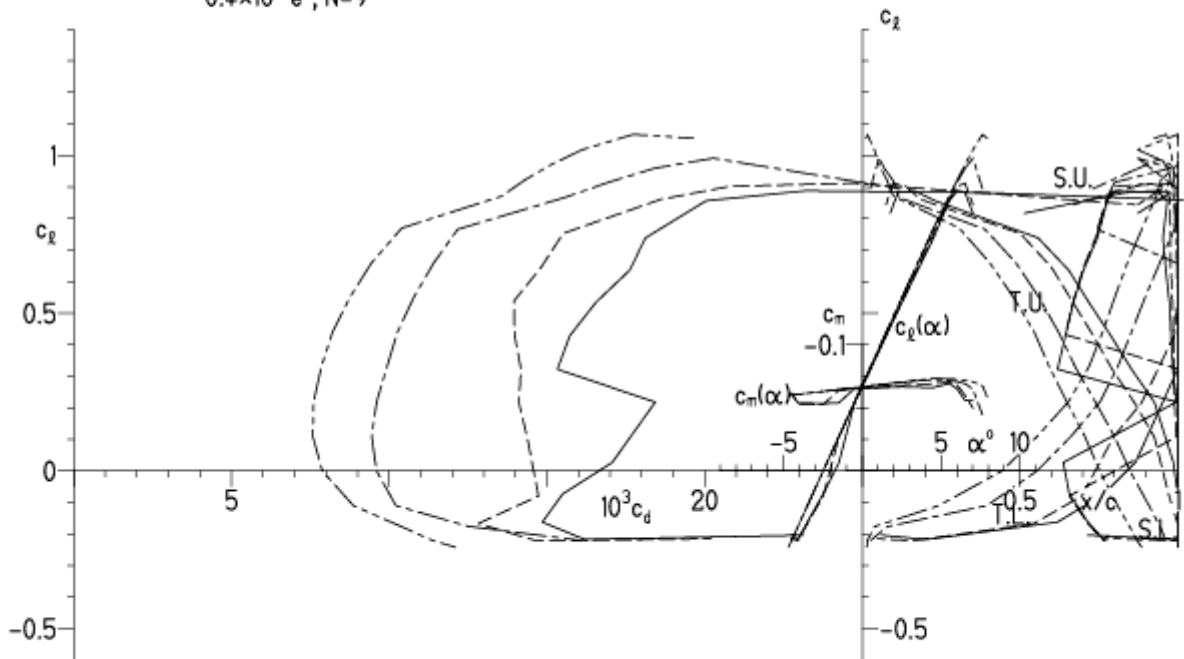
EPPLER 2005 V. 8.5.07 RUN 2.8.12 12:49



EPPLER 2005 V. 8.5.07 RUN 2.8.12 12:49

HQ/A-1,75/11 11%

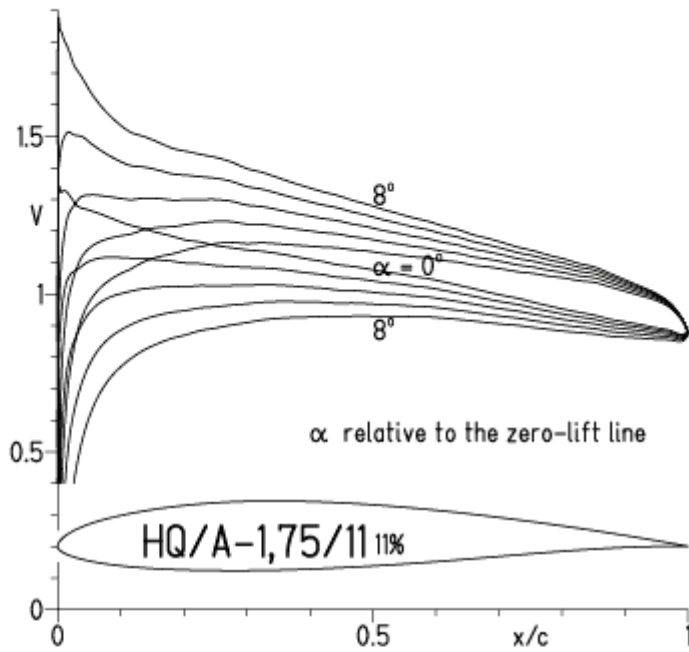
- $Re = 75\,000 e^N, N=9$
- - -  $0.1 \times 10^6 e^N, N=9$
- · -  $0.2 \times 10^6 e^N, N=9$
- · - ·  $0.4 \times 10^6 e^N, N=9$





HQ/ACRO-1,75/11, N=7 (turbulenter Flächenspitzenbereich)

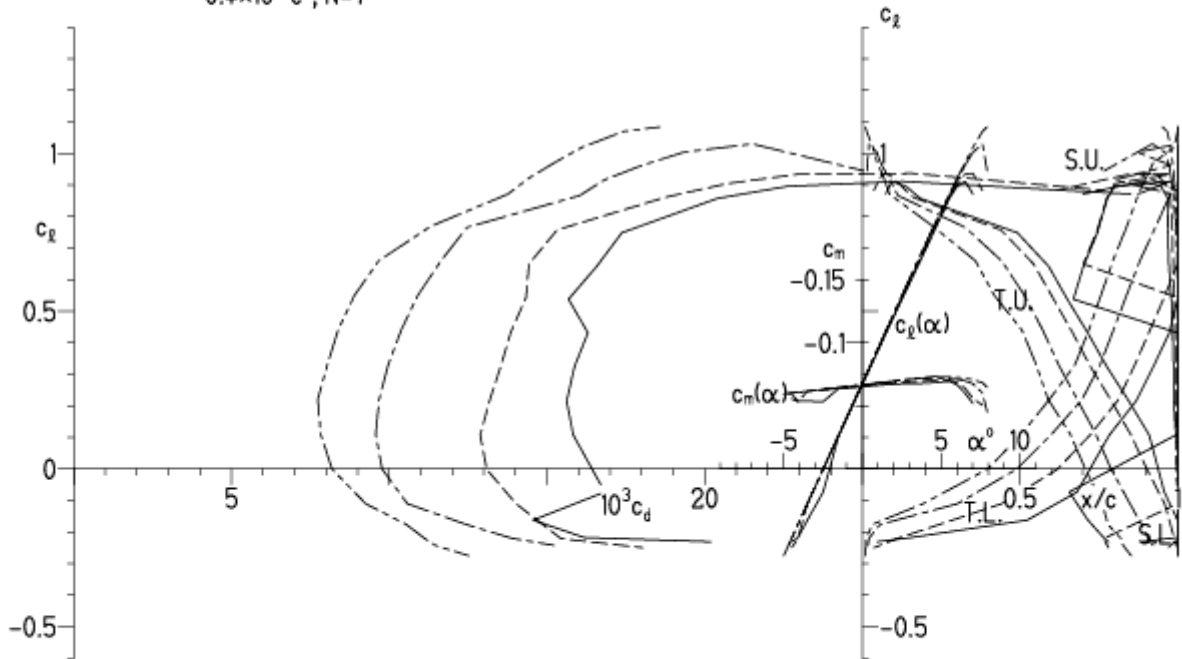
EPPLER 2005 V. 8.5.07 RUN 2.8.12 12:56



EPPLER 2005 V. 8.5

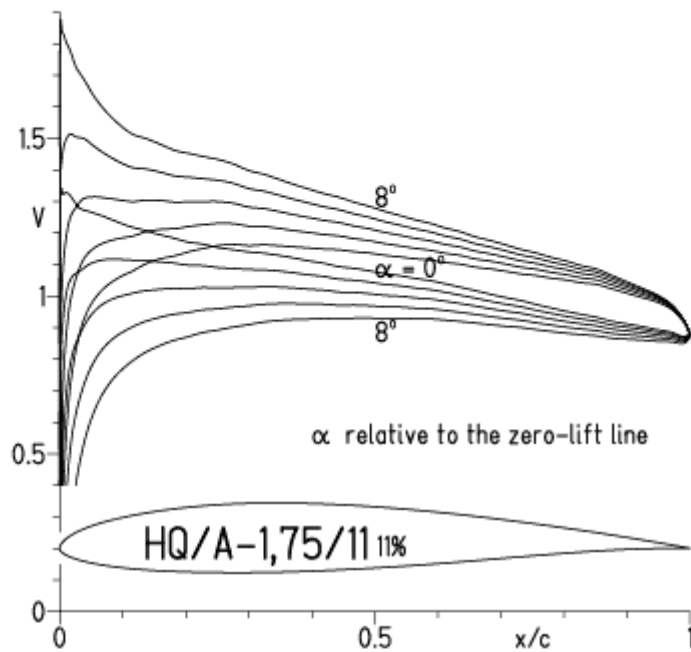
**HQ/A-1,75/11 11%**

- $Re = 75\,000 e^N, N=7$
- - -  $0.1 \times 10^6 e^N, N=7$
- · -  $0.2 \times 10^6 e^N, N=7$
- · - ·  $0.4 \times 10^6 e^N, N=7$



# HQ/ACRO-1,75/11, N=7 (turbulenter Flächenspitzenbereich), Turbulatoreffekt

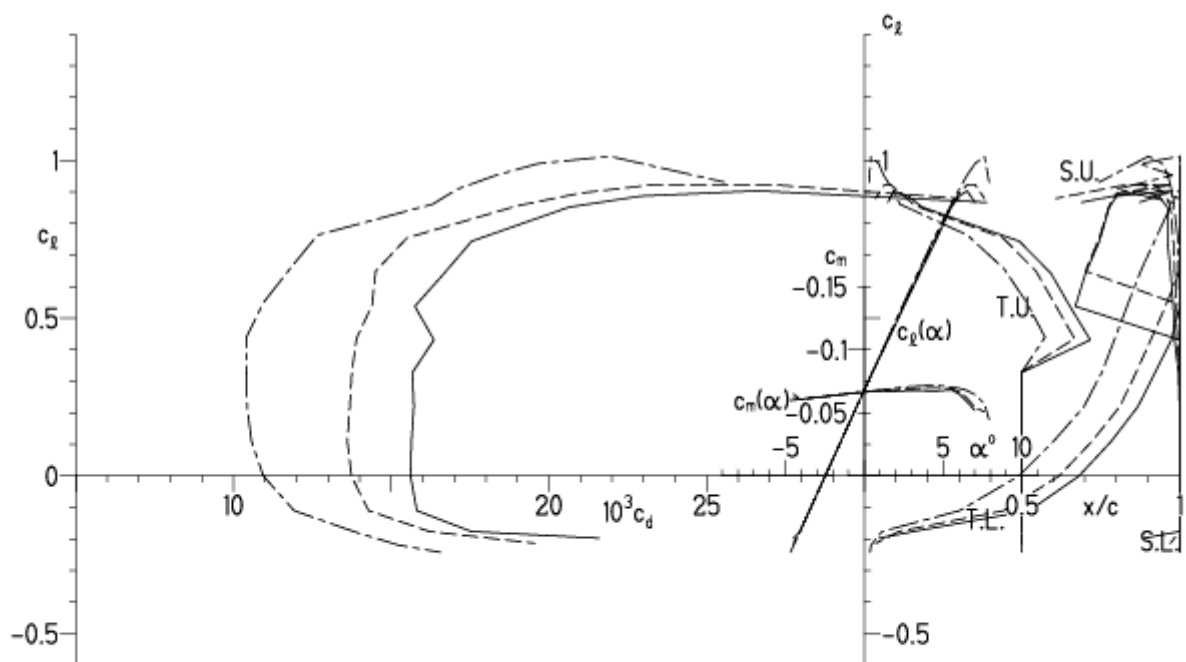
EPPLER 2005 V. 8.5.07 RUN 2.8.12 13:03



EPPLER 2005 V. 8.5.07 RUN 2.8.12 13:03

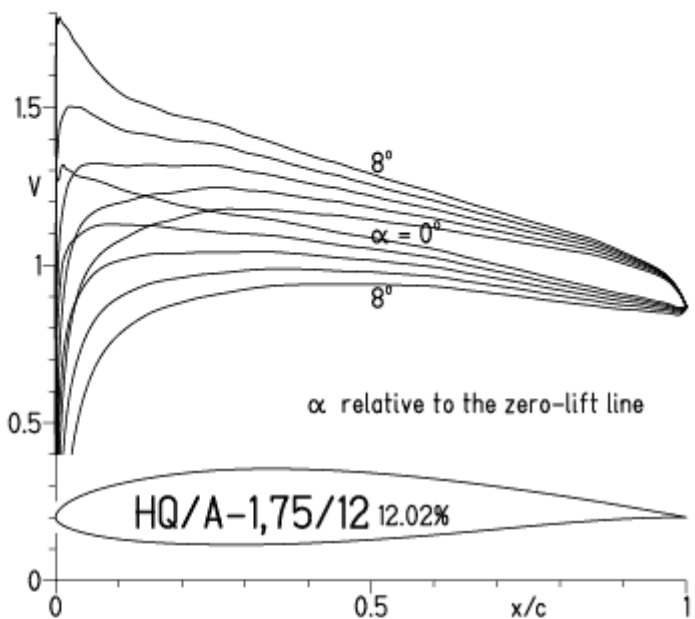
## HQ/A-1,75/11 11%

- $Re = 75\,000$ , Turb. upper 50%  $e^N$ ,  $N=7$
- - -  $0.1 \times 10^6$ , Turb. upper 50%  $e^N$ ,  $N=7$
- · -  $0.2 \times 10^6$ , Turb. upper 50%  $e^N$ ,  $N=7$



HQ/ACRO-1,75/12, N=11

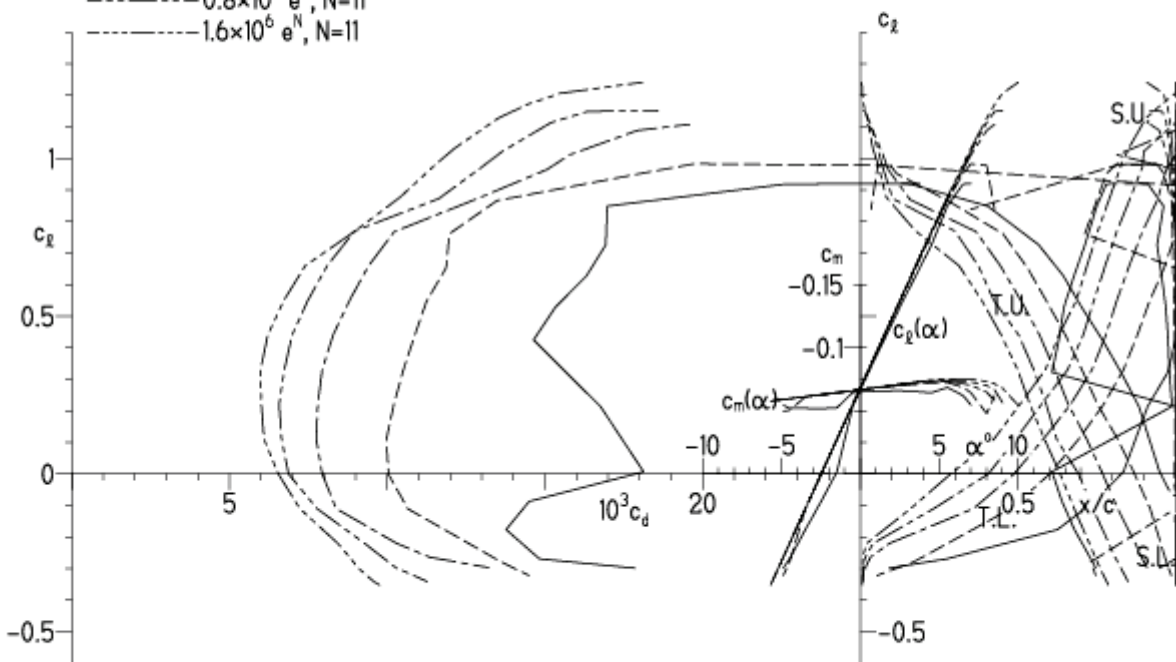
EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:00



EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:00

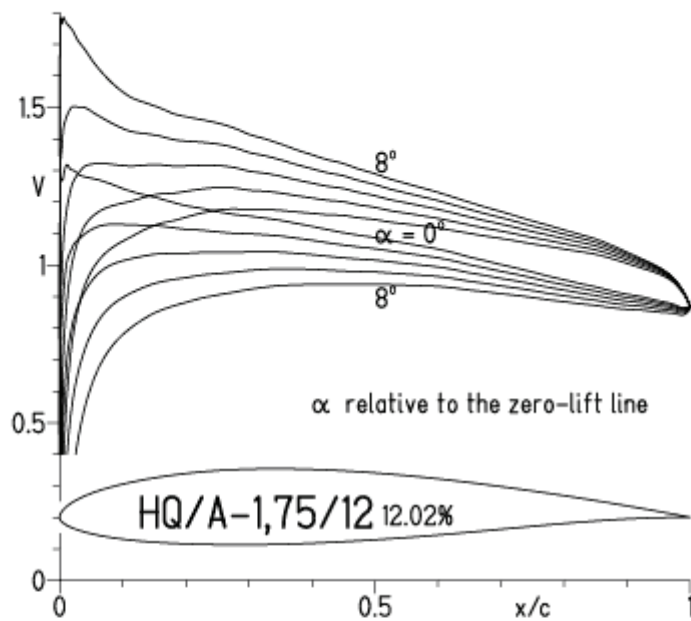
HQ/A-1,75/12 12.02%

- $Re = 0.1 \times 10^6$ ,  $e^N$ ,  $N=11$
- - -  $0.2 \times 10^6$ ,  $e^N$ ,  $N=11$
- · -  $0.4 \times 10^6$ ,  $e^N$ ,  $N=11$
- - -  $0.8 \times 10^6$ ,  $e^N$ ,  $N=11$
- · -  $1.6 \times 10^6$ ,  $e^N$ ,  $N=11$

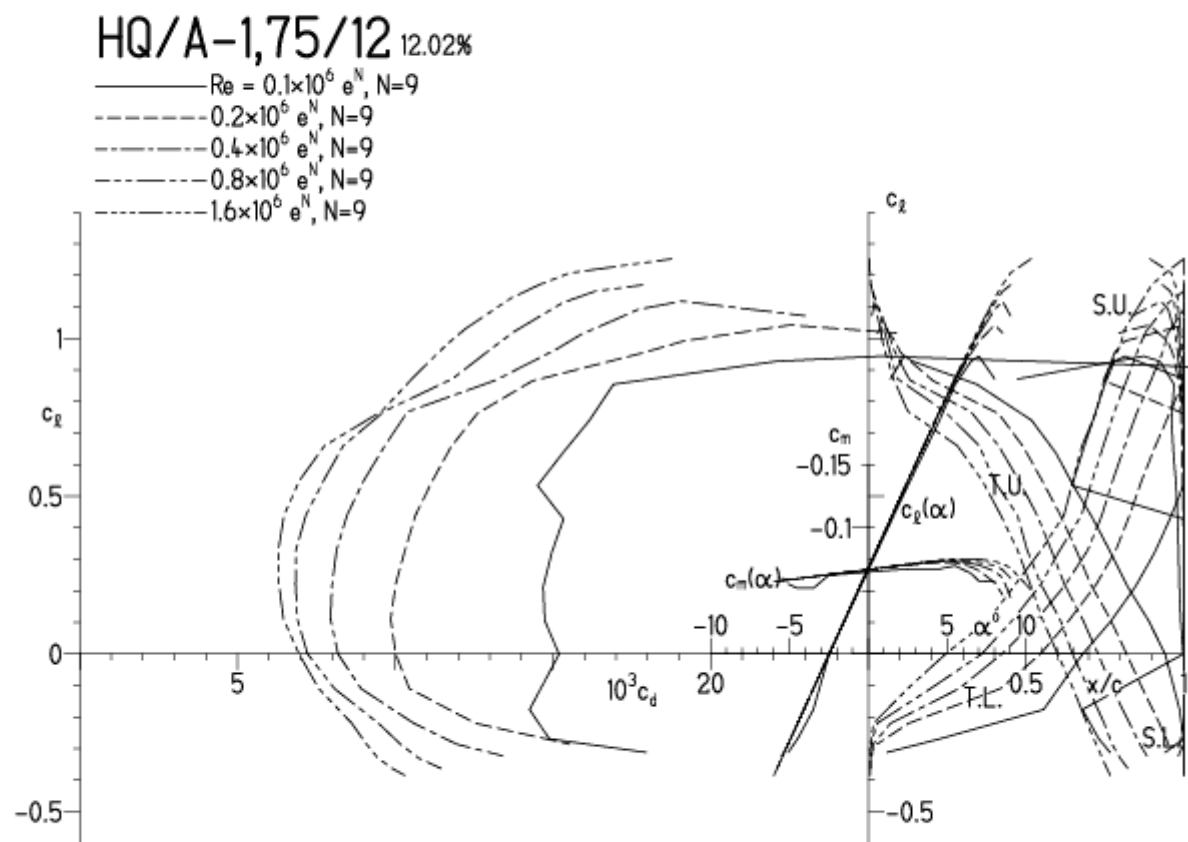


# HQ/ACRO-1,75/12, N=9

EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:12

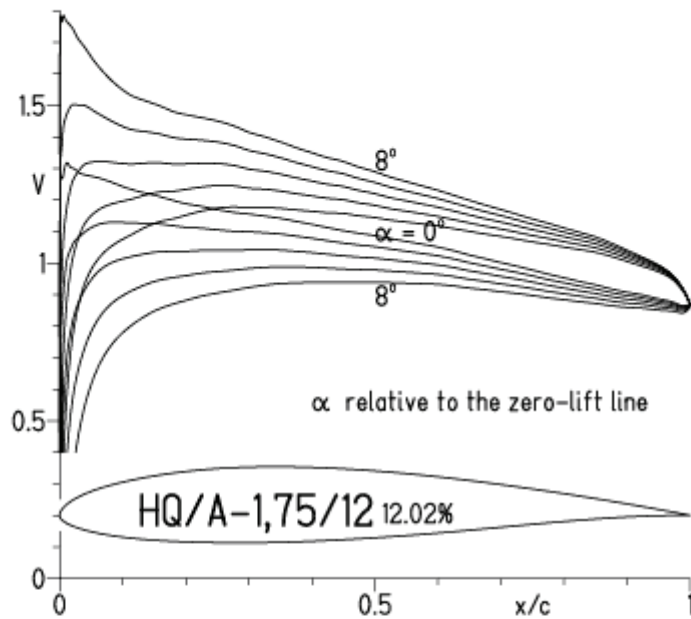


EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:12



# HQ/ACRO-1,75/12, N=9 (turbulenter Flächenspitzenbereich)

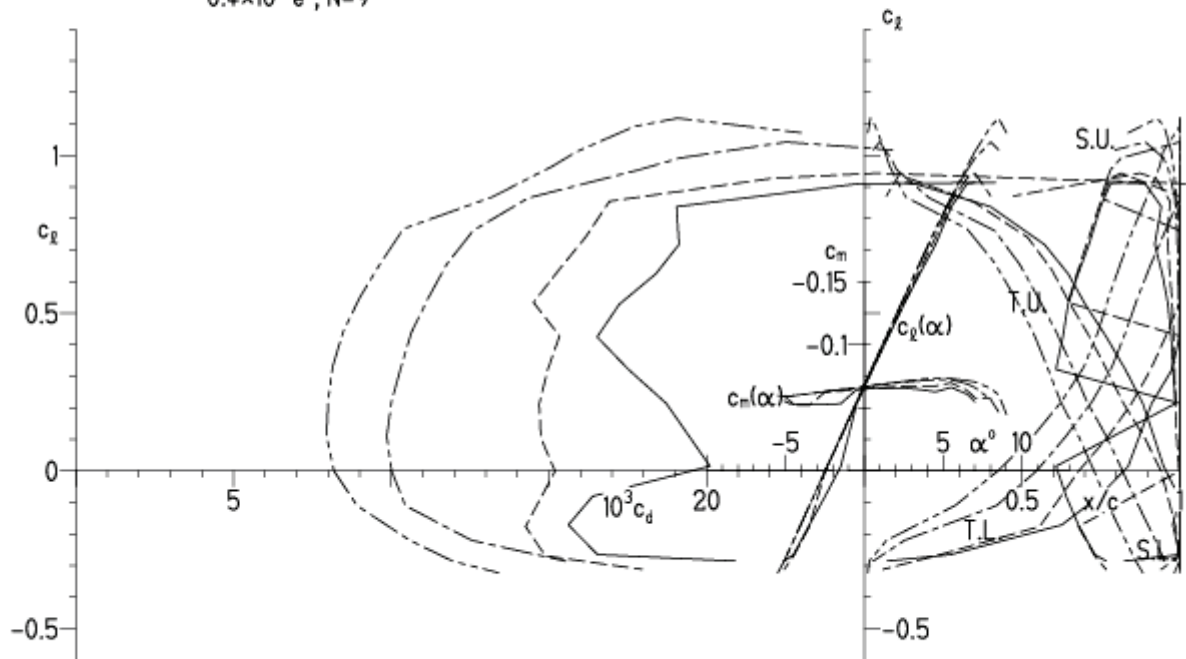
EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:20



EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:20

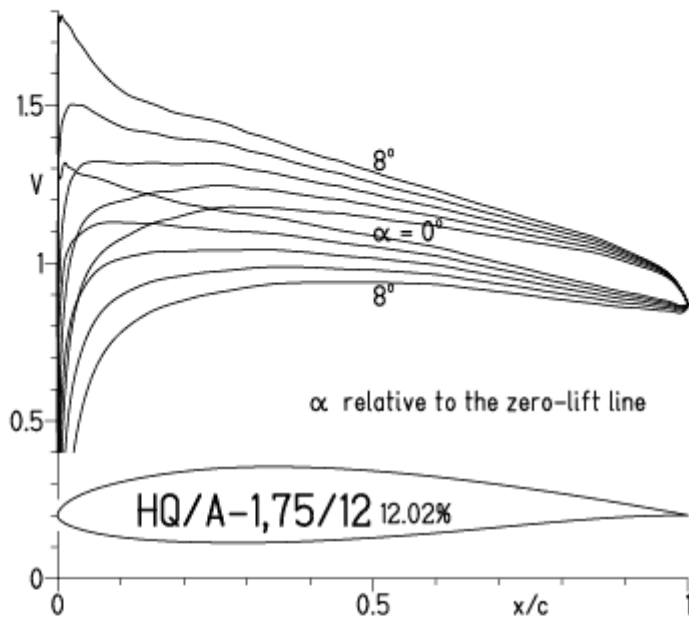
## HQ/A-1,75/12 12.02%

- $Re = 75\,000 e^N, N=9$
- - -  $0.1 \times 10^6 e^N, N=9$
- · -  $0.2 \times 10^6 e^N, N=9$
- · - ·  $0.4 \times 10^6 e^N, N=9$



HQ/ACRO-1,75/12, N=7 (turbulenter Flächenspitzenbereich)

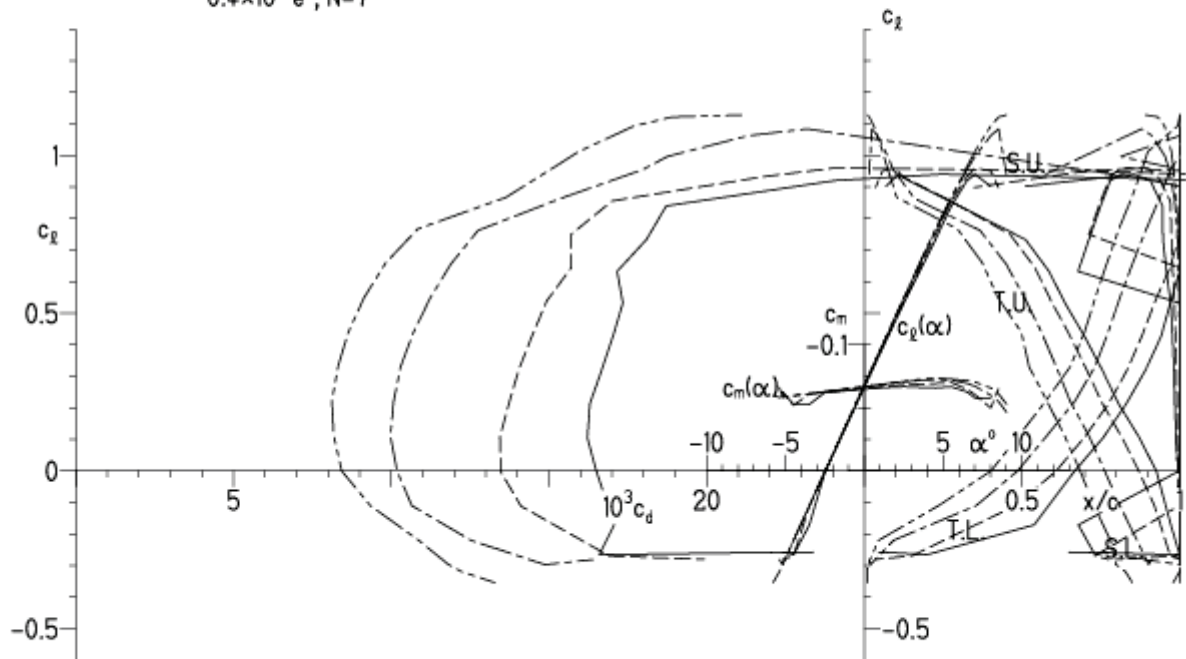
EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:28



EPPLER 2005 V. 8.5.07 R

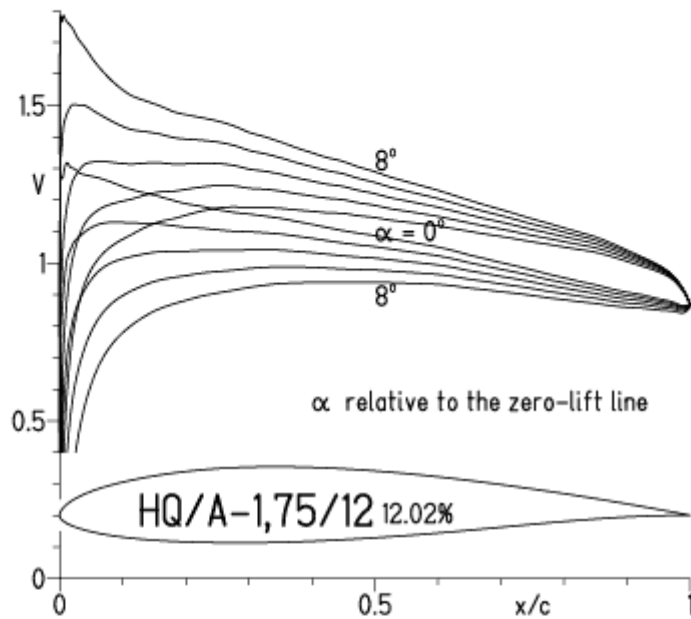
**HQ/A-1,75/12 12.02%**

- $Re = 75\,000 e^N, N=7$
- - -  $0.1 \times 10^6 e^N, N=7$
- - -  $0.2 \times 10^6 e^N, N=7$
- - -  $0.4 \times 10^6 e^N, N=7$



# HQ/ACRO-1,75/12, N=7 (turbulenter Flächenspitzenbereich), Turbulatoreffekt

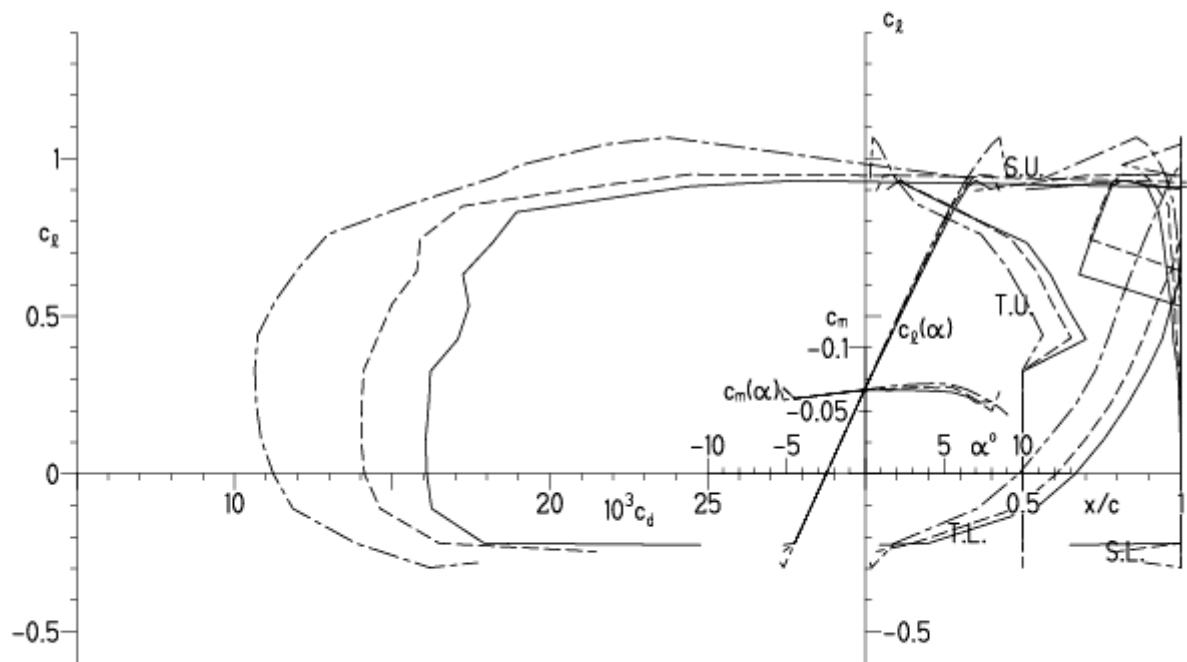
EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:32



EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:32

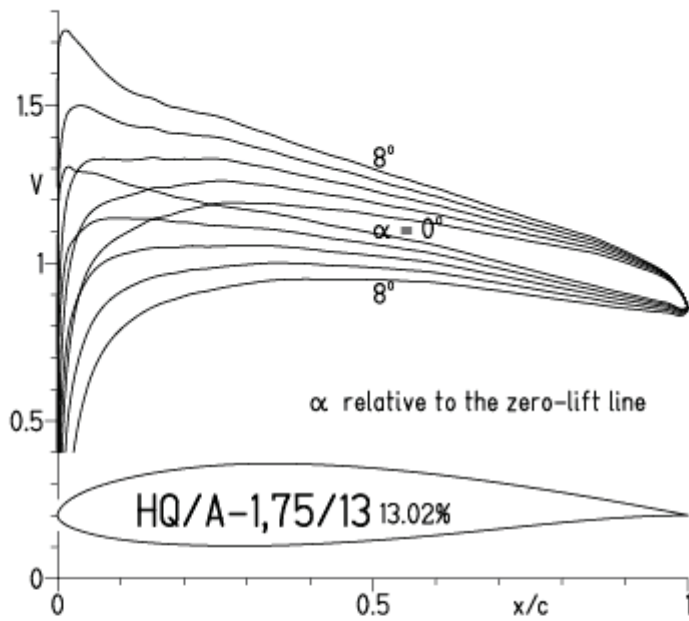
## HQ/A-1,75/12 12.02%

- $Re = 75\,000$ , Turb. upper 50%  $e^N$ ,  $N=7$
- - -  $0.1 \times 10^6$ , Turb. upper 50%  $e^N$ ,  $N=7$
- · -  $0.2 \times 10^6$ , Turb. upper 50%  $e^N$ ,  $N=7$

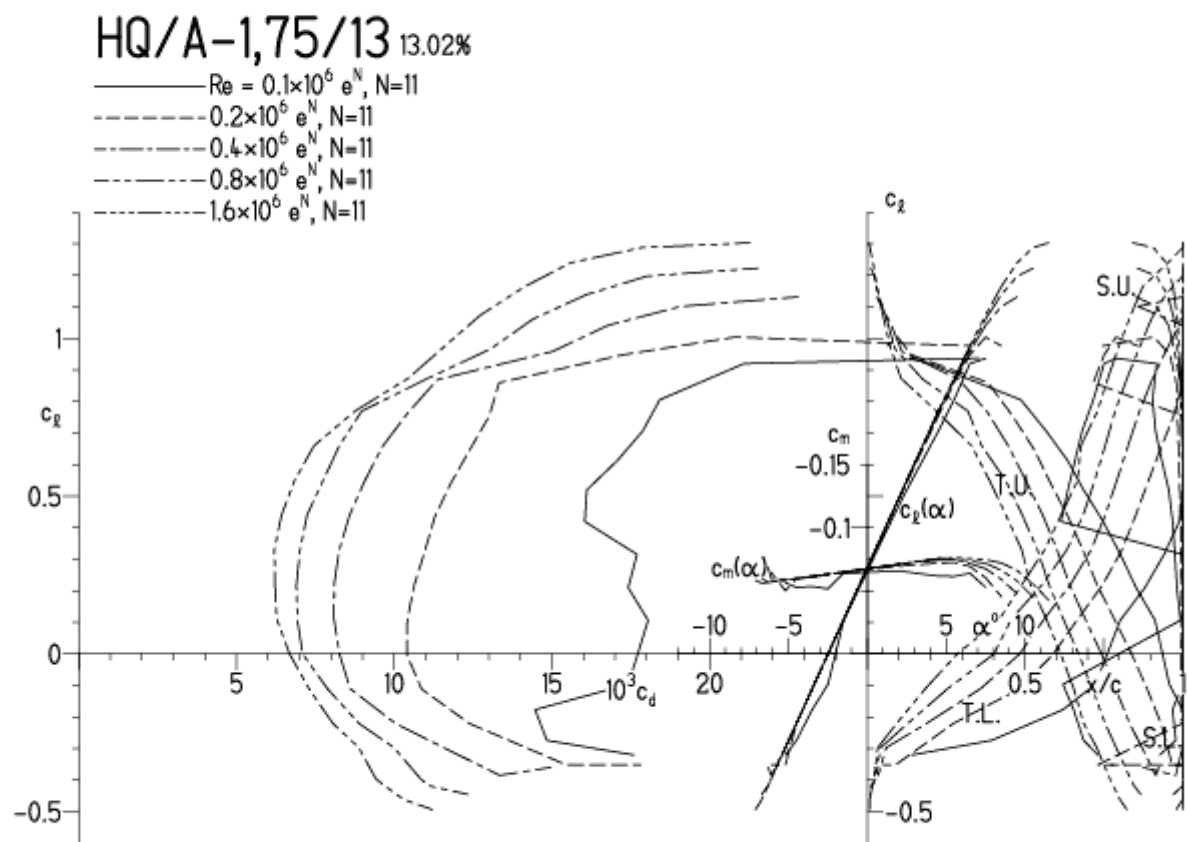


HQ/ACRO-1,75/13, N=11

EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:52



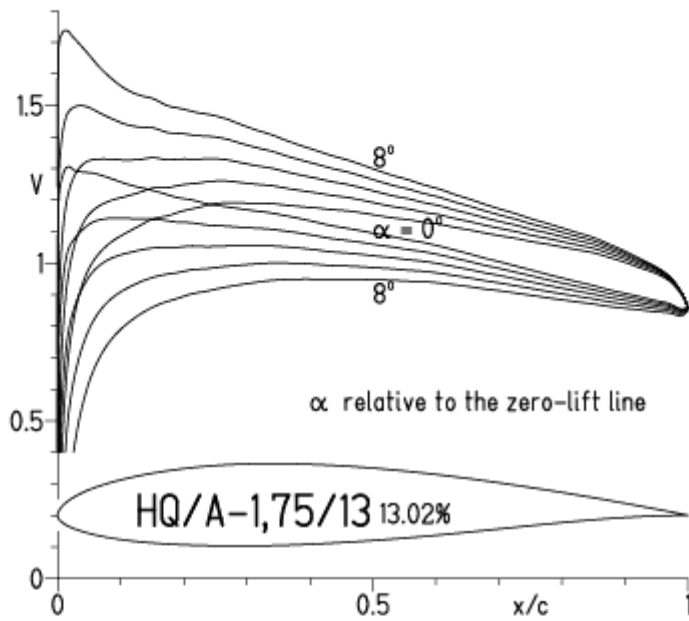
EPPLER 2005 V. 8.5.07 RUN 2.8.12 18:52





HQ/ACRO-1,75/13, N=9

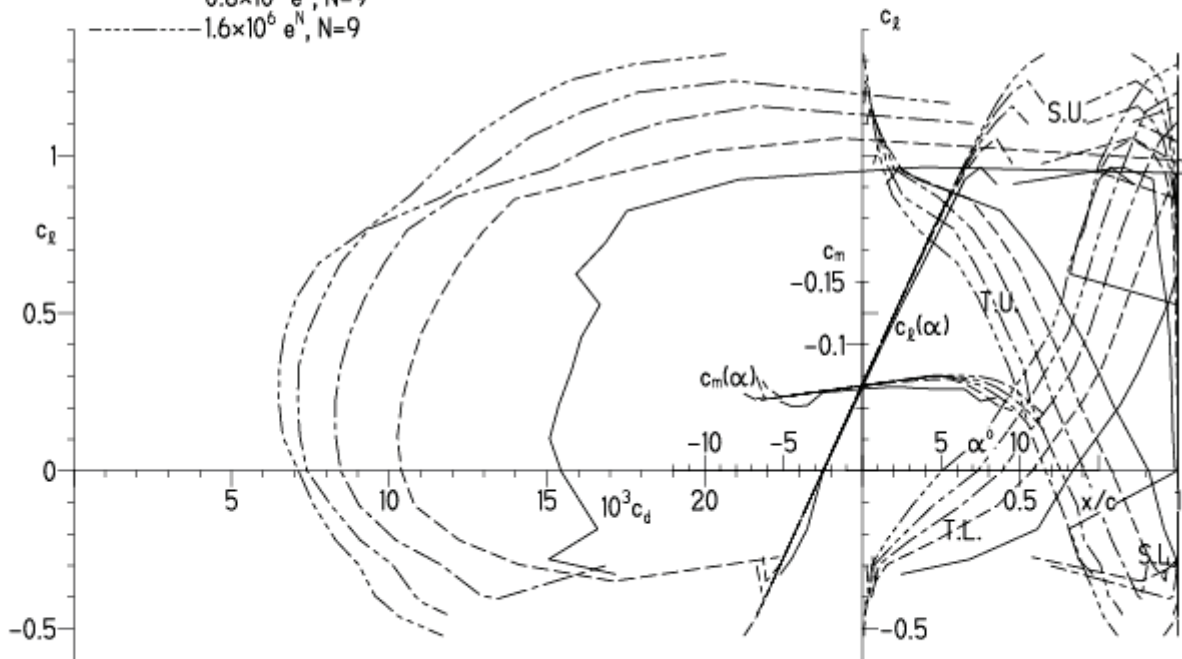
EPPLER 2005 V. 8.5.07 RUN 3.8.12 11:09



EPPLER 2005 V. 8.5.07 RUN 3.8.12 11:09

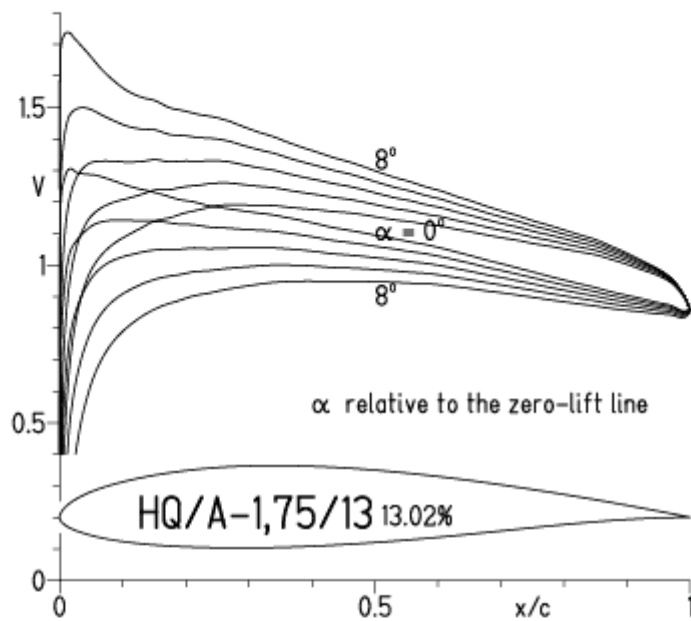
HQ/A-1,75/13 13.02%

- $Re = 0.1 \times 10^6 e^N, N=9$
- - -  $0.2 \times 10^6 e^N, N=9$
- - -  $0.4 \times 10^6 e^N, N=9$
- - -  $0.8 \times 10^6 e^N, N=9$
- - -  $1.6 \times 10^6 e^N, N=9$



# HQ/ACRO-1,75/13, N=9 (turbulenter Flächenspitzenbereich)

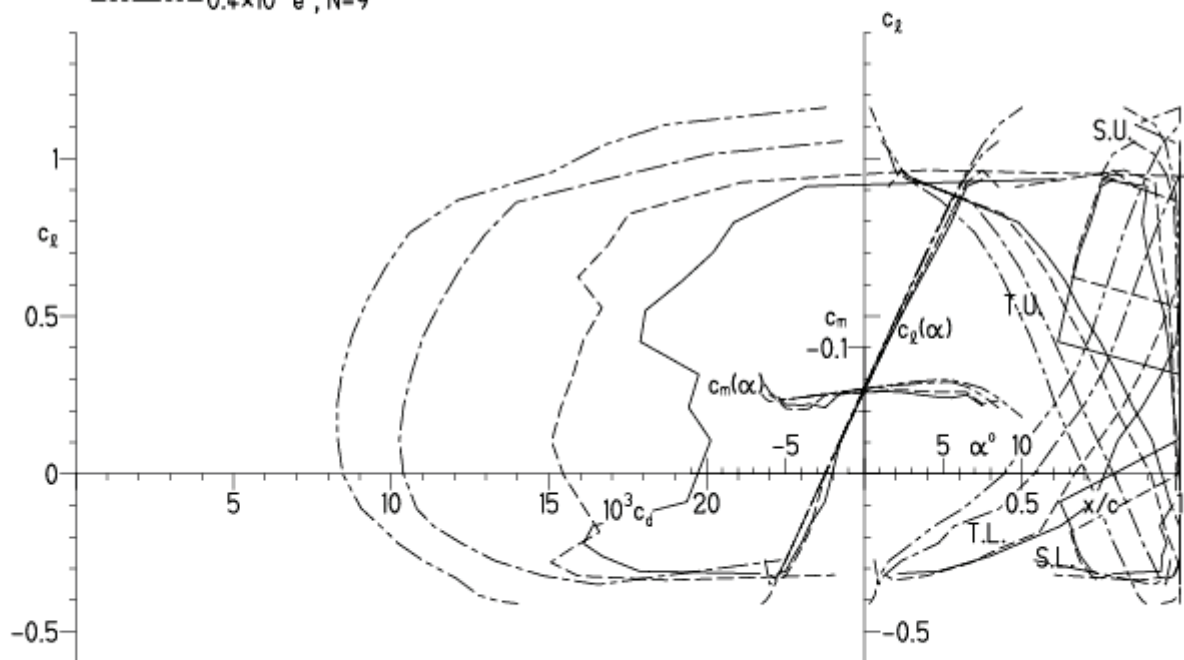
EPPLER 2005 V. 8.5.07 RUN 3.8.12 11:21



EPPLER 2005 V. 8.5.07 RUN 3.8.12 11:21

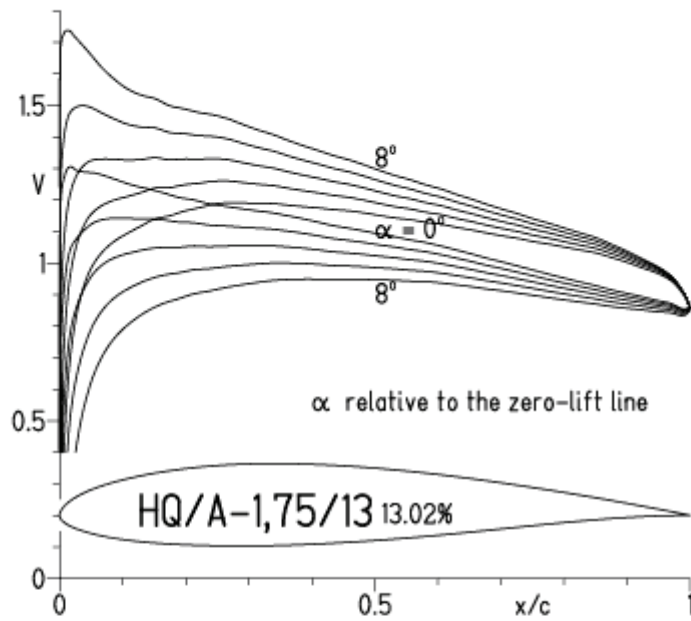
## HQ/A-1,75/13 13.02%

- $Re = 75\,000 e^N, N=9$
- - -  $0.1 \times 10^6 e^N, N=9$
- · -  $0.2 \times 10^6 e^N, N=9$
- · - ·  $0.4 \times 10^6 e^N, N=9$



# HQ/ACRO-1,75/13, N=7 (turbulenter Flächenspitzenbereich)

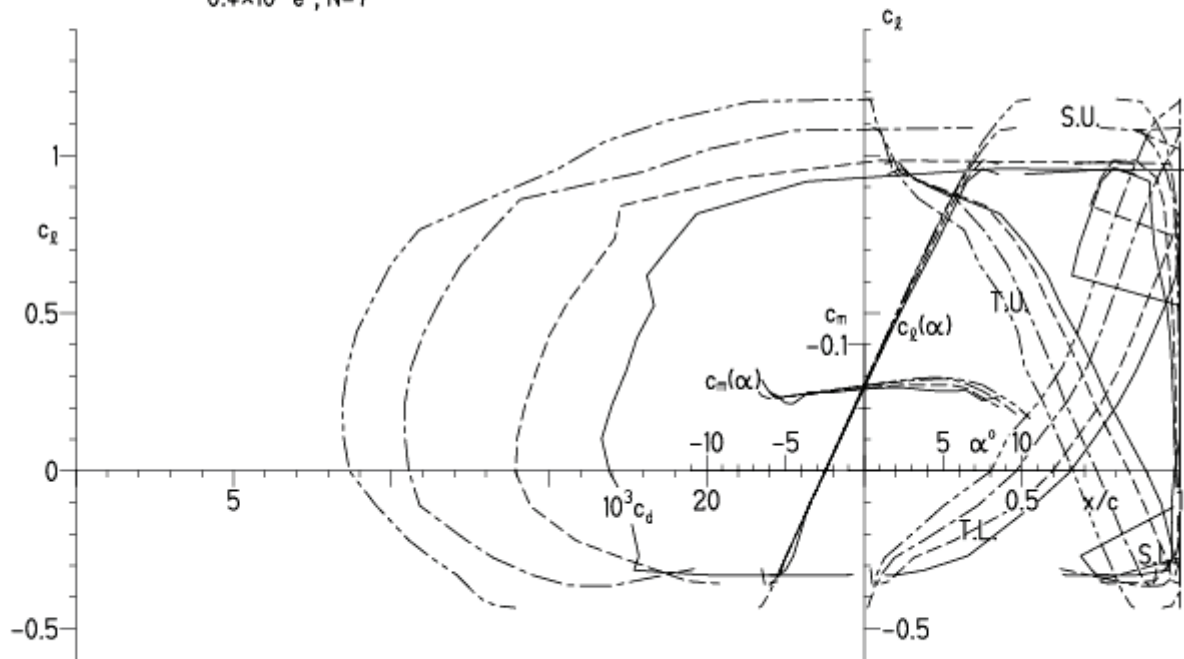
EPPLER 2005 V. 8.5.07 RUN 3.8.12 11:32



EPPLER 2005 V. 8.5.07 RUN 3.8.12 11:32

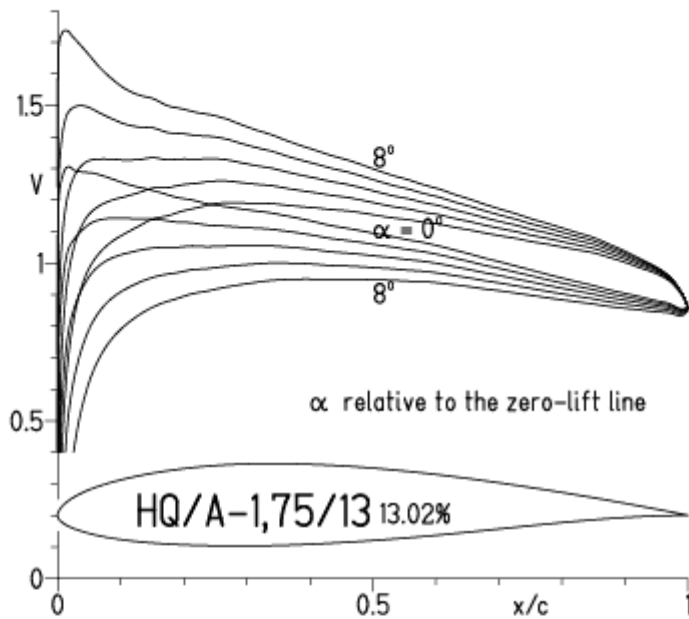
## HQ/A-1,75/13 13.02%

- $Re = 75\,000 e^N, N=7$
- - -  $0.1 \times 10^6 e^N, N=7$
- - -  $0.2 \times 10^6 e^N, N=7$
- - -  $0.4 \times 10^6 e^N, N=7$



HQ/ACRO-1,75/13, N=7 (turbulenter Flächenspitzenbereich), Turbulatoreffekt

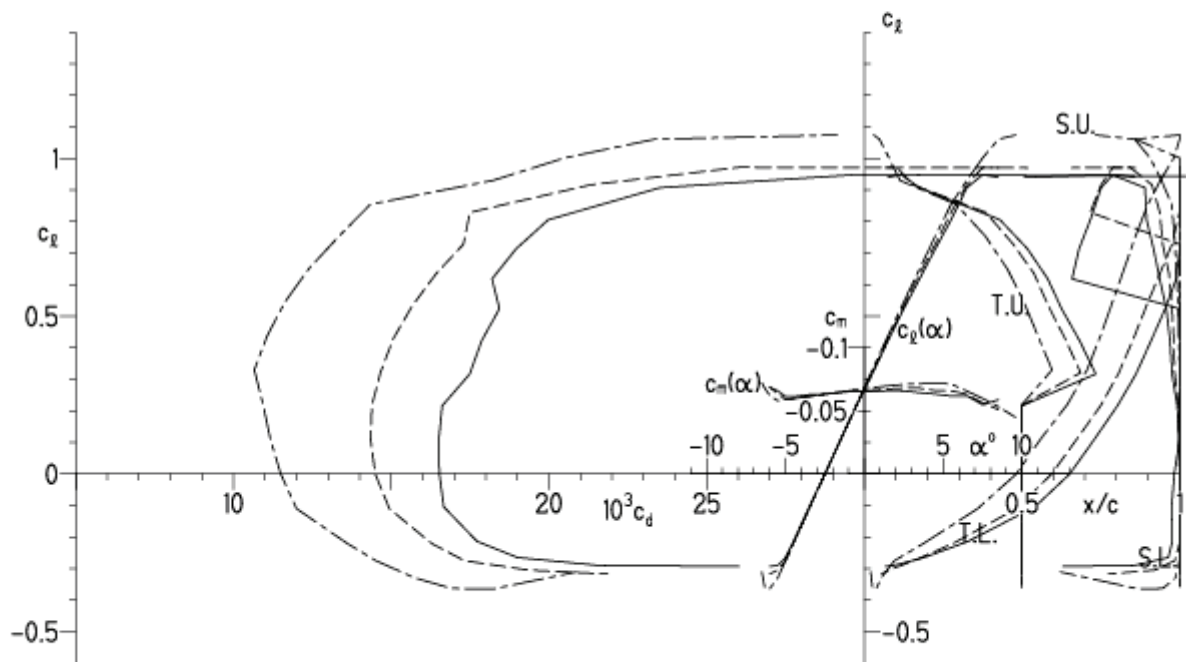
EPPLER 2005 V. 8.5.07 RUN 3.8.12 11:36



EPPLER 2005 V. 8.5.07 RUN 3.8.12 11:36

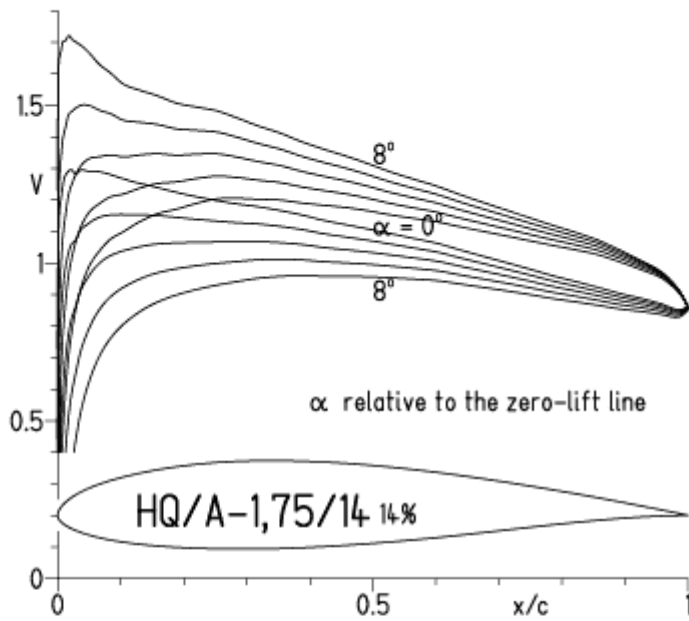
**HQ/A-1,75/13** 13.02%

- $Re = 75\,000$ , Turb. upper 50%  $e^N$ , N=7
- - -  $0.1 \times 10^6$ , Turb. upper 50%  $e^N$ , N=7
- · -  $0.2 \times 10^6$ , Turb. upper 50%  $e^N$ , N=7



HQ/ACRO-1,75/14, N=11

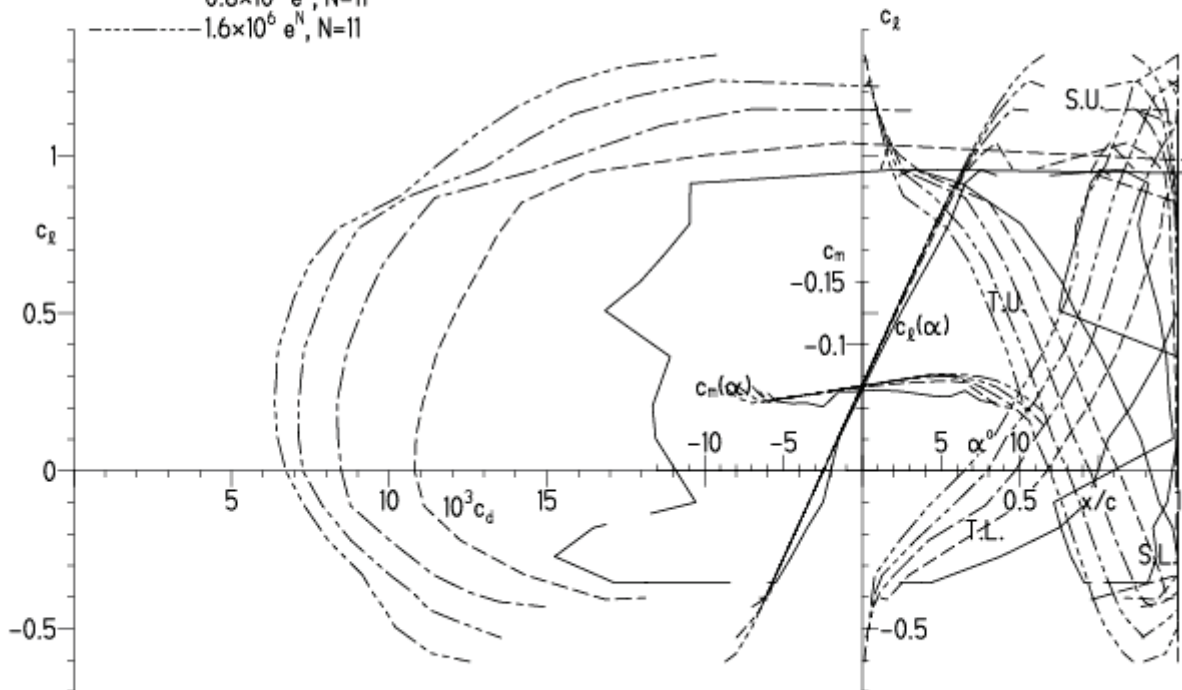
EPPLER 2005 V. 8.5.07 RUN 3.8.12 12:16



EPPLER 2005 V. 8.5.07 RUN 3.8.12 12:16

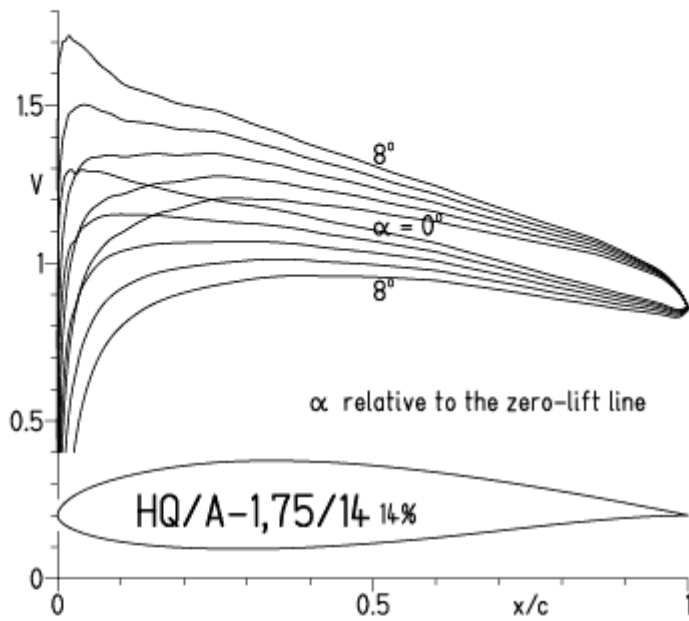
HQ/A-1,75/14 14%

- $Re = 0.1 \times 10^6$ ,  $e^N$ ,  $N=11$
- - -  $0.2 \times 10^6$ ,  $e^N$ ,  $N=11$
- · -  $0.4 \times 10^6$ ,  $e^N$ ,  $N=11$
- - -  $0.8 \times 10^6$ ,  $e^N$ ,  $N=11$
- · -  $1.6 \times 10^6$ ,  $e^N$ ,  $N=11$



HQ/ACRO-1,75/14, N=9

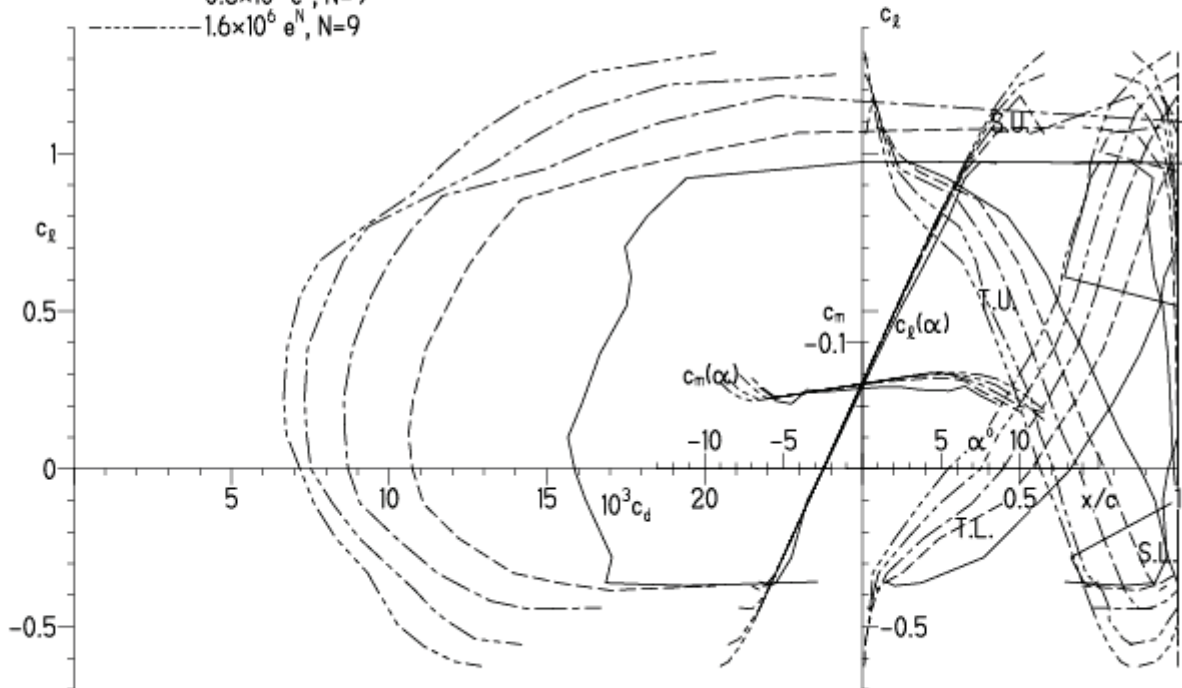
EPPLER 2005 V. 8.5.07 RUN 3.8.12 12:29



EPPLER 2005 V. 8.5.07 RUN 3.8.12 12:29

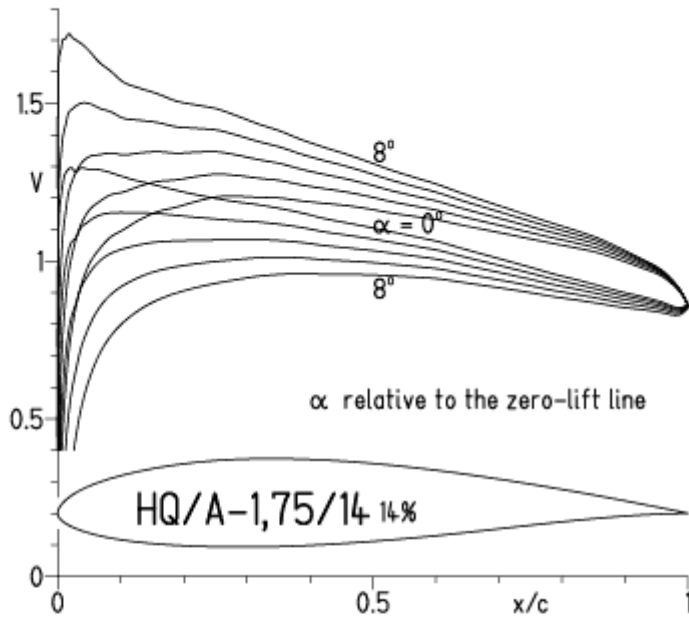
HQ/A-1,75/14 14%

- $Re = 0.1 \times 10^6 e^N, N=9$
- - -  $0.2 \times 10^6 e^N, N=9$
- - -  $0.4 \times 10^6 e^N, N=9$
- - -  $0.8 \times 10^6 e^N, N=9$
- - -  $1.6 \times 10^6 e^N, N=9$



HQ/ACRO-1,75/14, N=9 (turbulenter Flächenspitzenbereich)

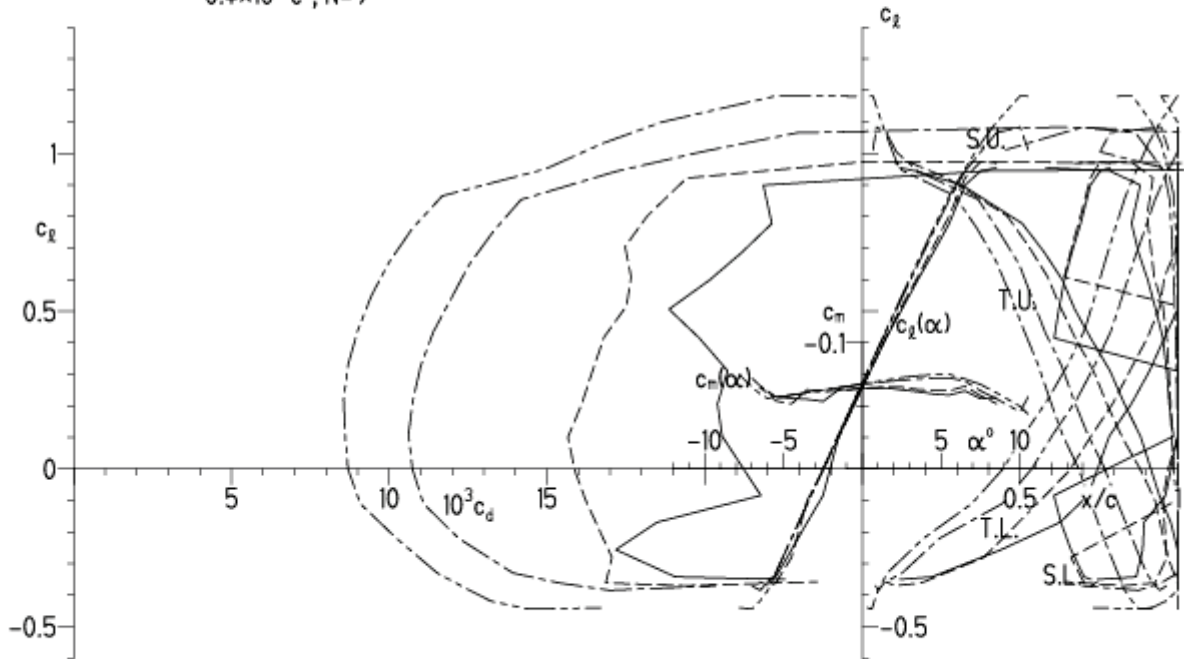
EPPLER 2005 V. 8.5.07 RUN 3.8.12 12:38



EPPLER 2005 V. 8.5.07 RUN 3.8.12 12:38

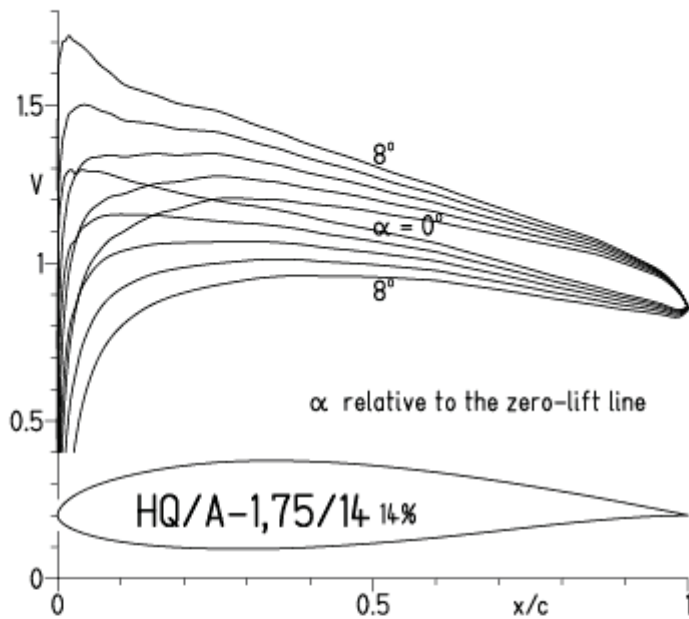
HQ/A-1,75/14 14%

- $Re = 75\,000 e^N, N=9$
- - -  $0.1 \times 10^6 e^N, N=9$
- · -  $0.2 \times 10^6 e^N, N=9$
- · - ·  $0.4 \times 10^6 e^N, N=9$



HQ/ACRO-1,75/14, N=7 (turbulenter Flächenspitzenbereich)

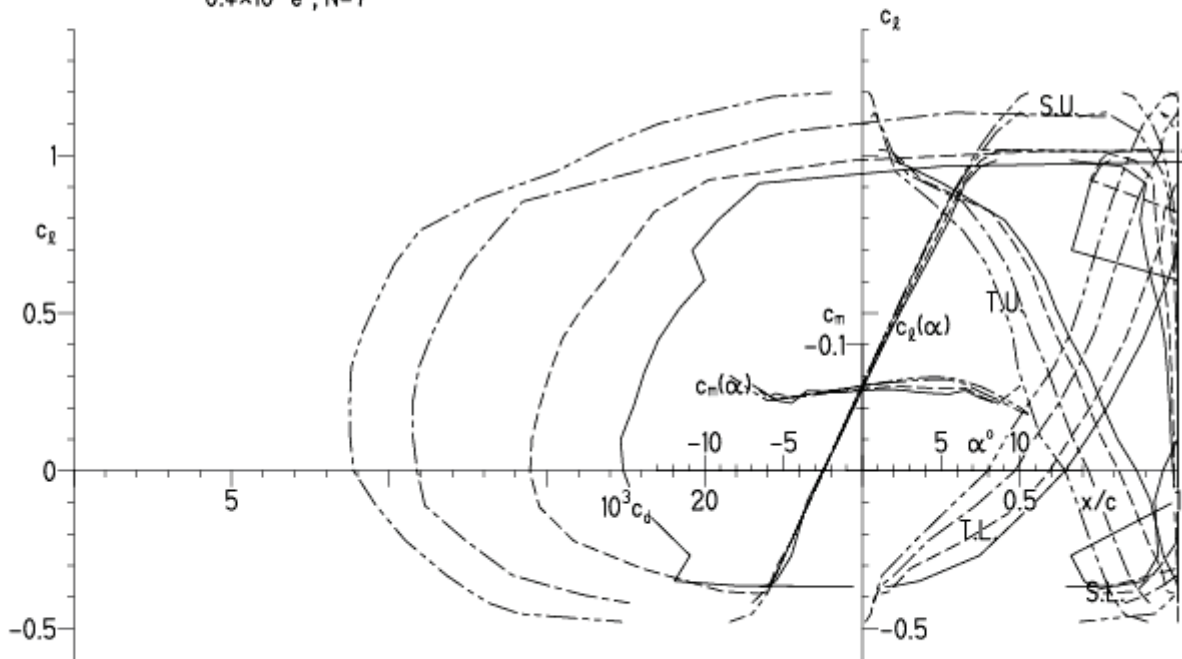
EPPLER 2005 V. 8.5.07 RUN 3.8.12 12:48



EPPLER 2005 V. 8.5.07 RUN 3.8.12 12:48

**HQ/A-1,75/14 14%**

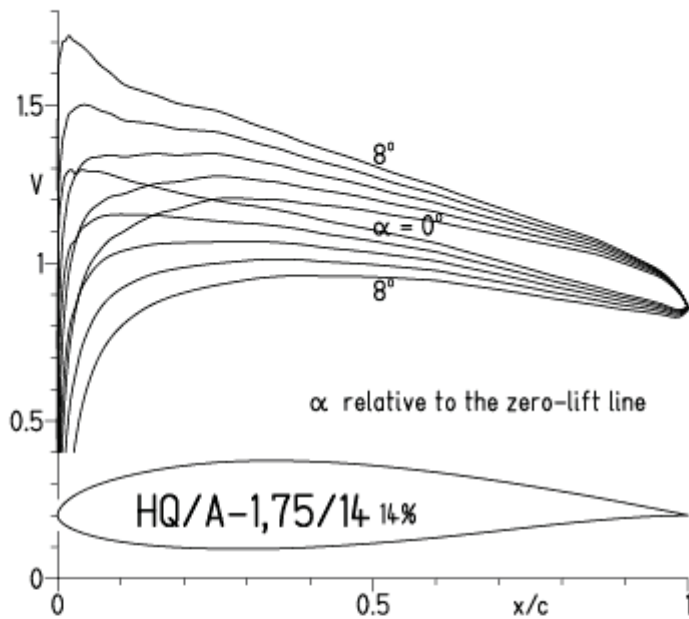
- $Re = 75\,000 e^N, N=7$
- - -  $0.1 \times 10^6 e^N, N=7$
- · -  $0.2 \times 10^6 e^N, N=7$
- · - ·  $0.4 \times 10^6 e^N, N=7$





HQ/ACRO-1,75/14, N=7 (turbulenter Flächenspitzenbereich), Turbulatoreffekt

EPPLER 2005 V. 8.5.07 RUN 3.8.12 12:52



EPPLER 2005 V. 8.5.07 RUN 3.8.12 12:52

**HQ/A-1,75/14 14%**

- $Re = 75\,000$ , Turb. upper 50%  $e^N$ ,  $N=7$
- - -  $0.1 \times 10^6$ , Turb. upper 50%  $e^N$ ,  $N=7$
- · -  $0.2 \times 10^6$ , Turb. upper 50%  $e^N$ ,  $N=7$

