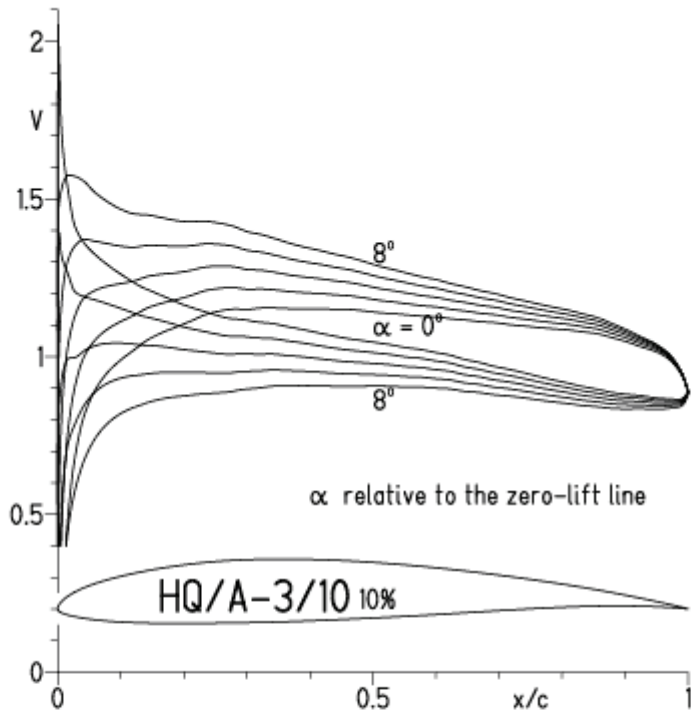
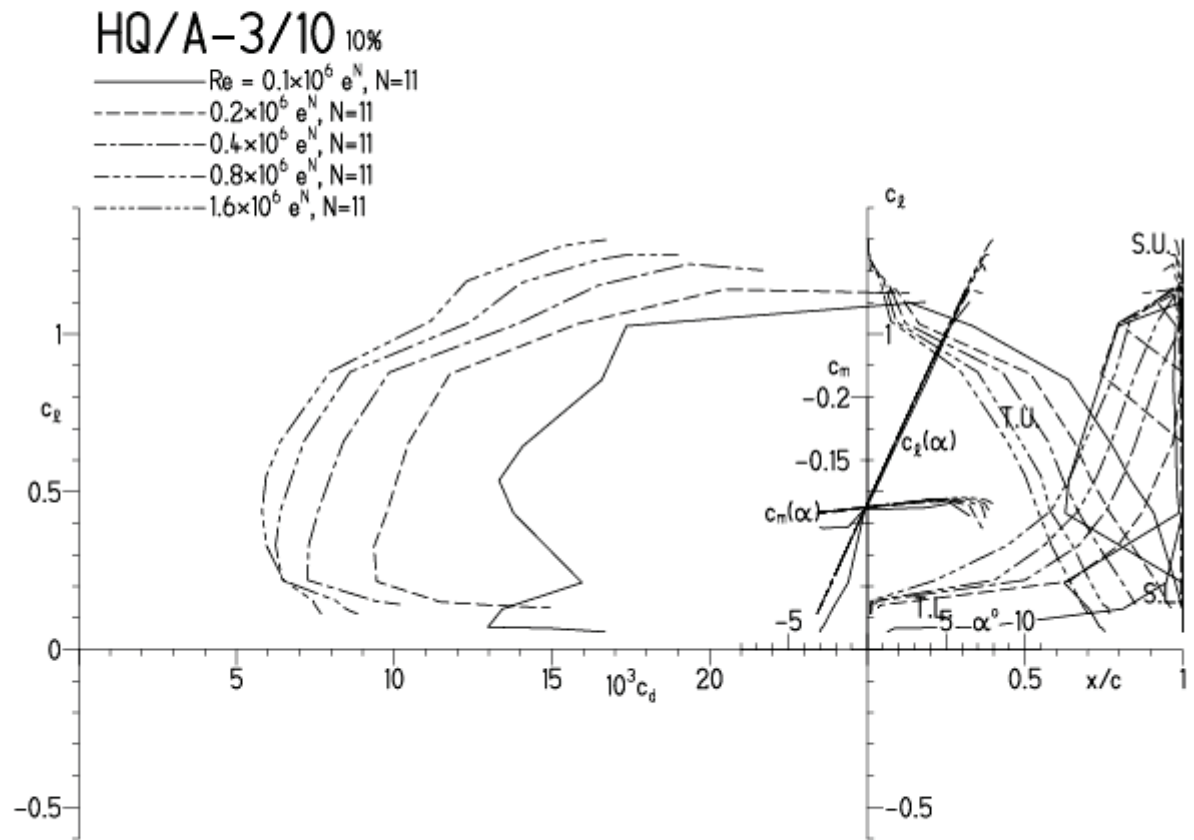


HQ/ACRO-3/10, N=11

EPPLER 2005 V. 8.5.07 RUN 27.8.12 17:18

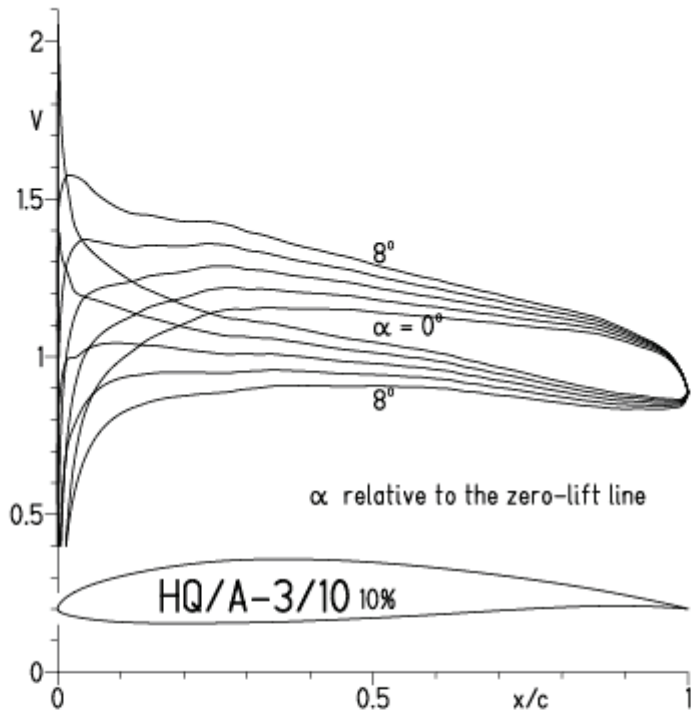


EPPLER 2005 V. 8.5.07 RUN 27.8.12 17:18



HQ/ACRO-3/10, N=9

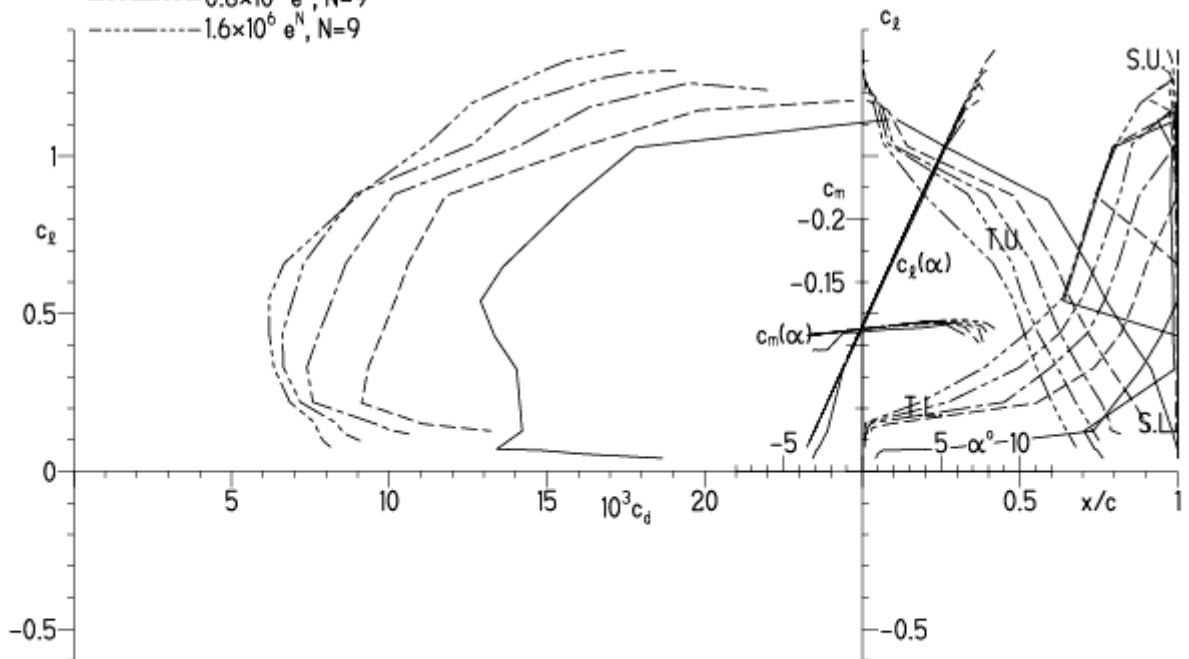
EPPLER 2005 V. 8.5.07 RUN 27.8.12 17:12



EPPLER 2005 V.

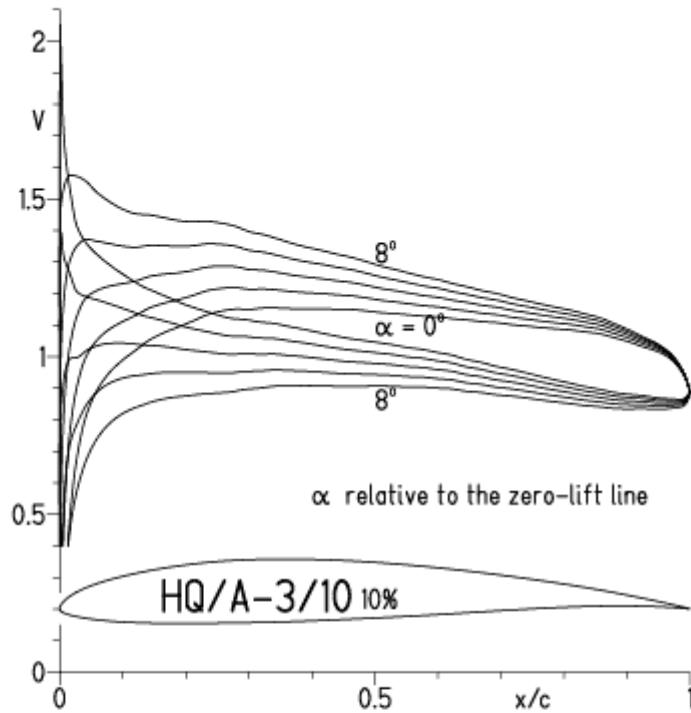
HQ/A-3/10 10%

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



# HQ/ACRO-3/10, N=9 (turbulenter Flächenspitzenbereich)

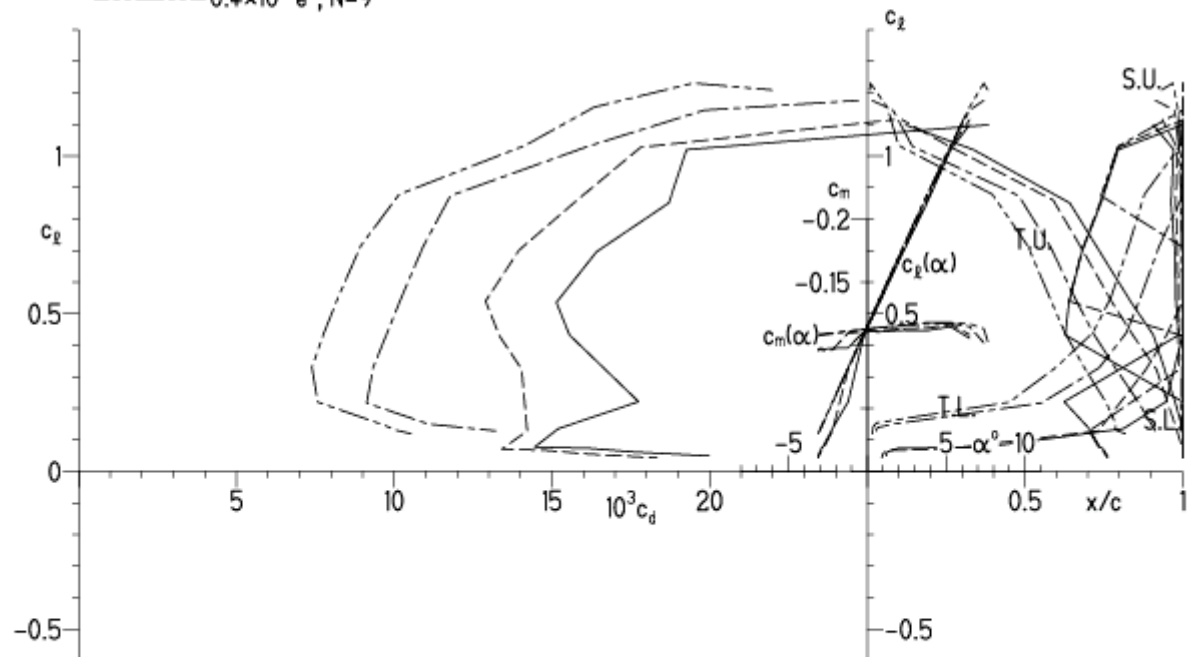
EPPLER 2005 V. 8.5.07 RUN 27.8.12 17:26



EPPLER 2005 V. 8.5.07 RUN 27.8.12 17:26

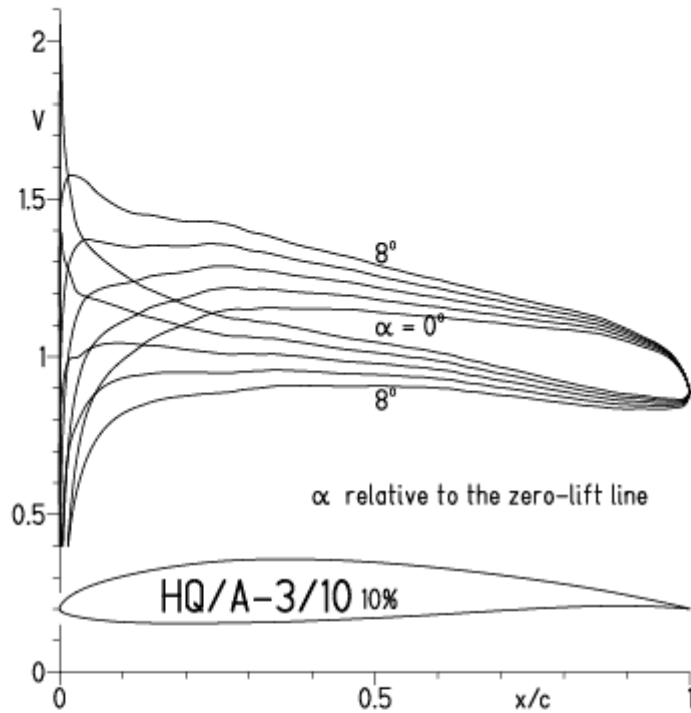
## HQ/A-3/10 10%

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



# HQ/ACRO-3/10, N=7 (turbulenter Flächenspitzenbereich)

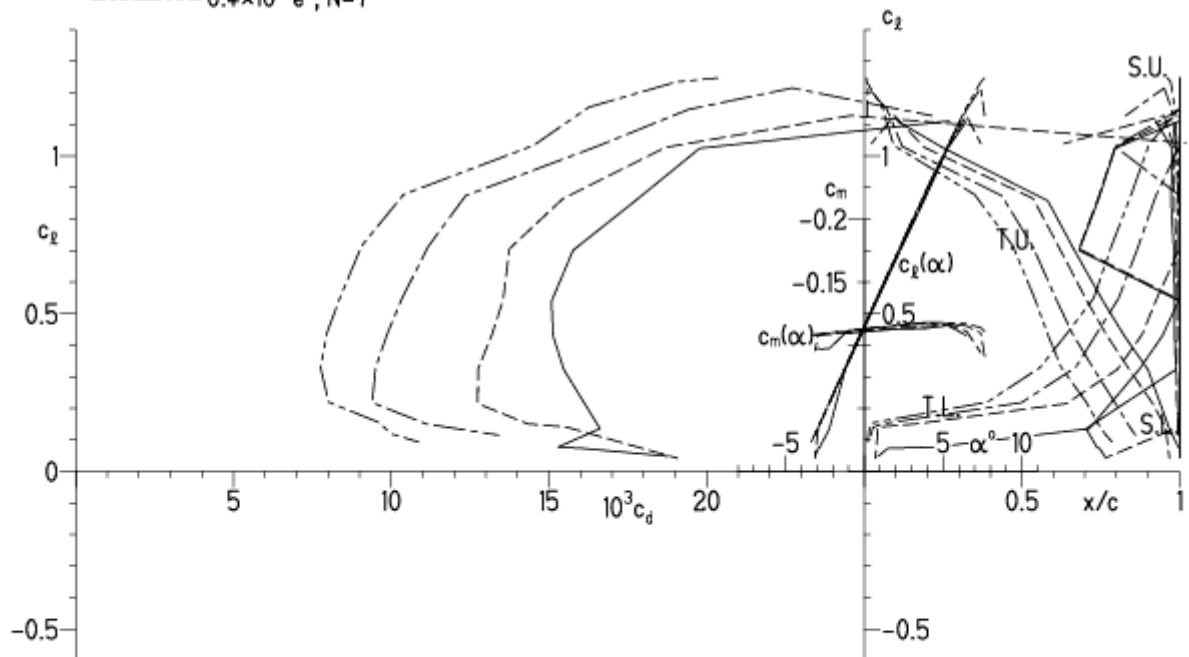
EPPLER 2005 V. 8.5.07 RUN 27.8.12 17:35



EPPLER 2005 V. 8.5.07 RUN 27.8.12 17:35

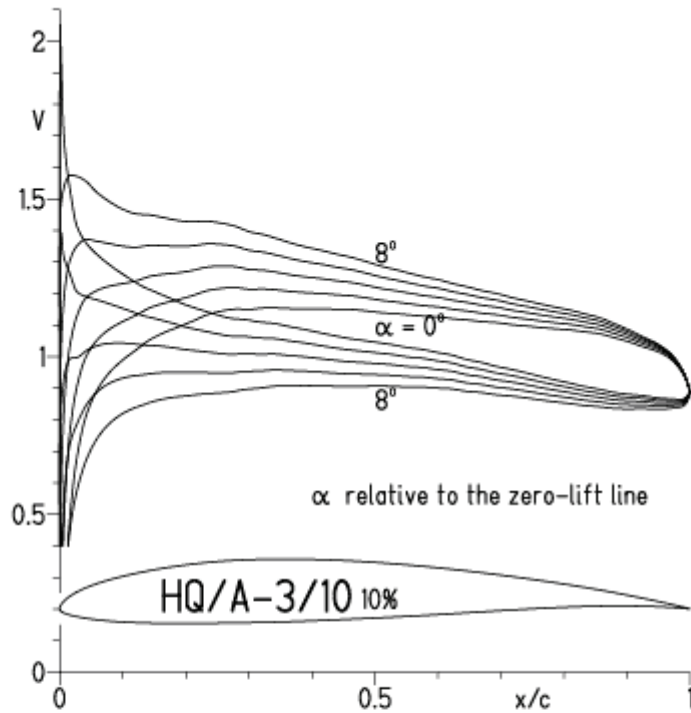
## HQ/A-3/10 10%

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



# HQ/ACRO-3/10, N=7 (turbulenter Flächenspitzenbereich), Turbulatoreffekt

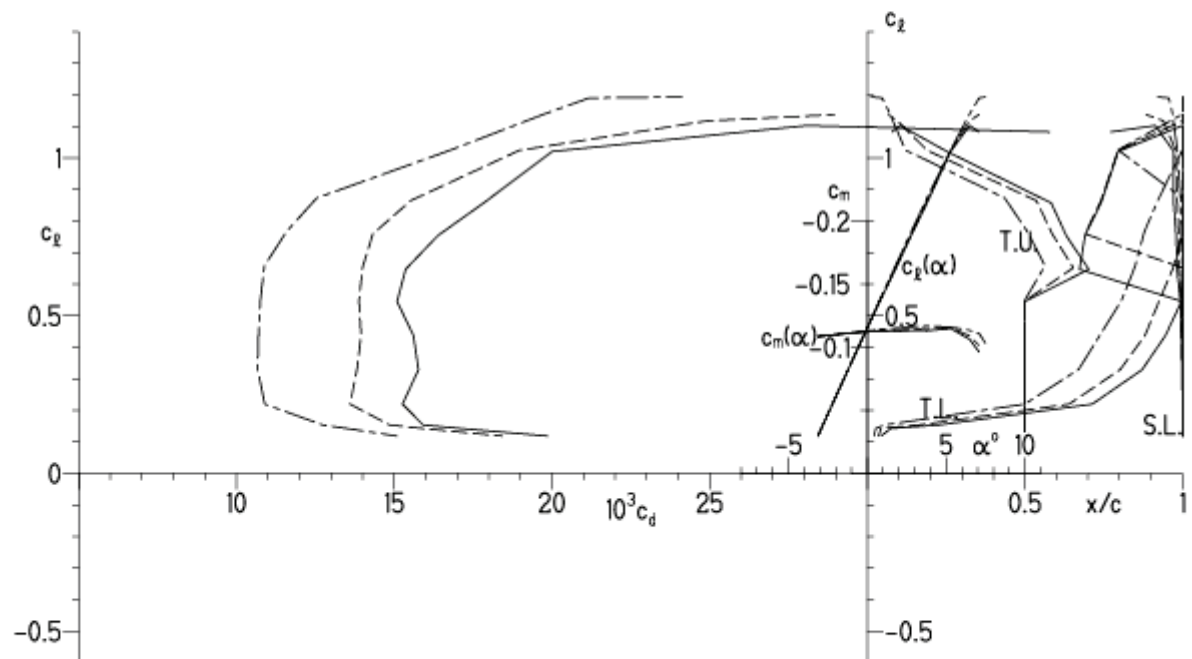
EPPLER 2005 V. 8.5.07 RUN 27.8.12 17:42



EPPLER 2005 V. 8.5.07 RUN 27.8.12 17:42

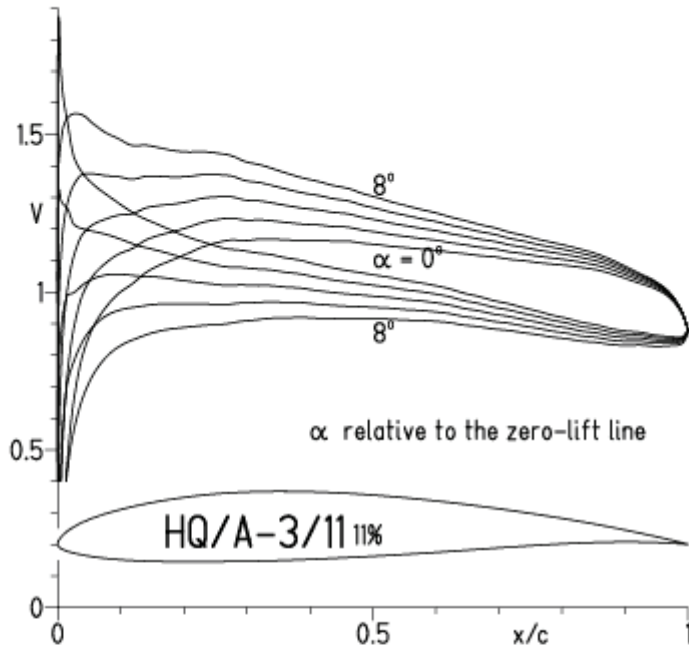
## HQ/A-3/10 10%

- $Re = 75\,000$ , 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%  $e^N$ ,  $N=7$

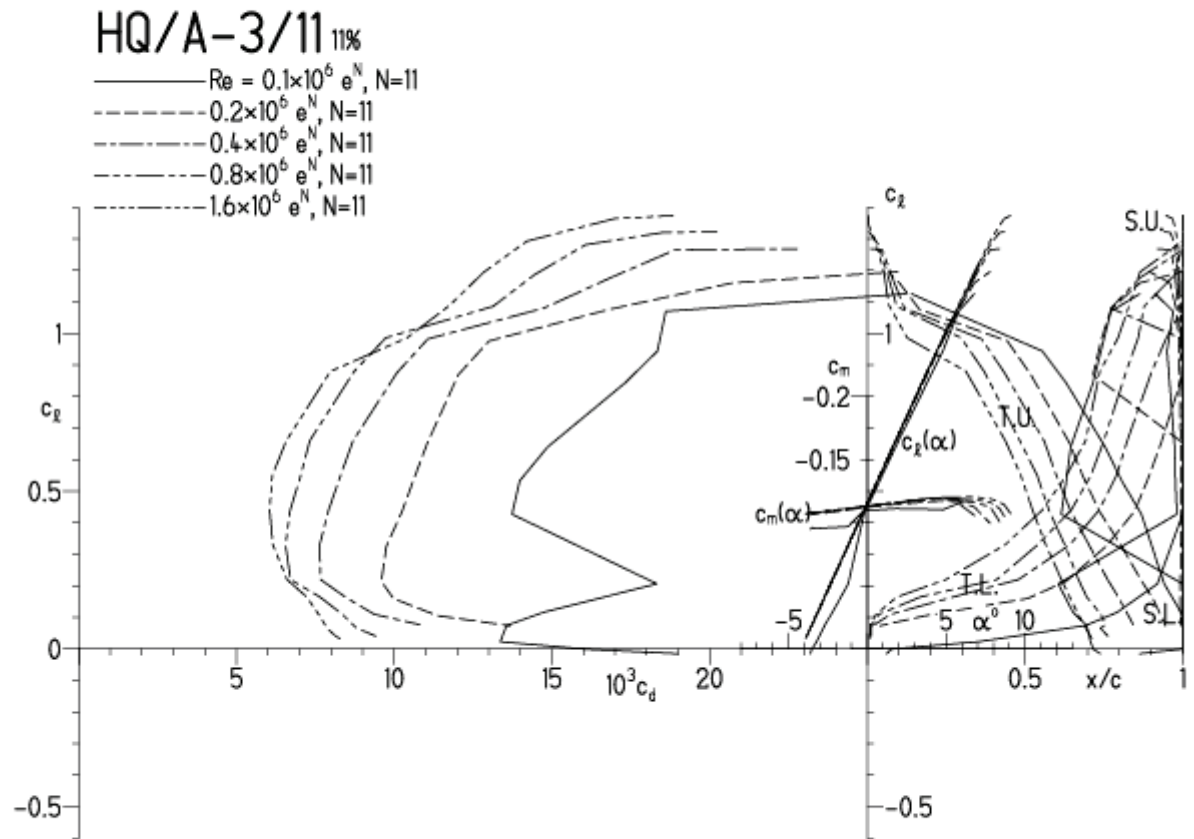


HQ/ACRO-3/11, N=11

EPPLER 2005 V. 8.5.07 RUN 28.8.12 17:45

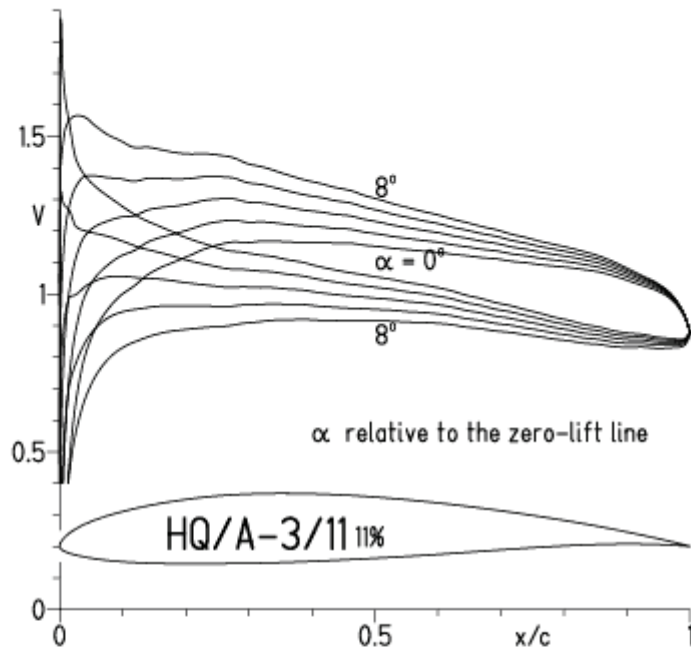


EPPLER 2005 V. 8.5.07 RUN 28.8.12 17:45

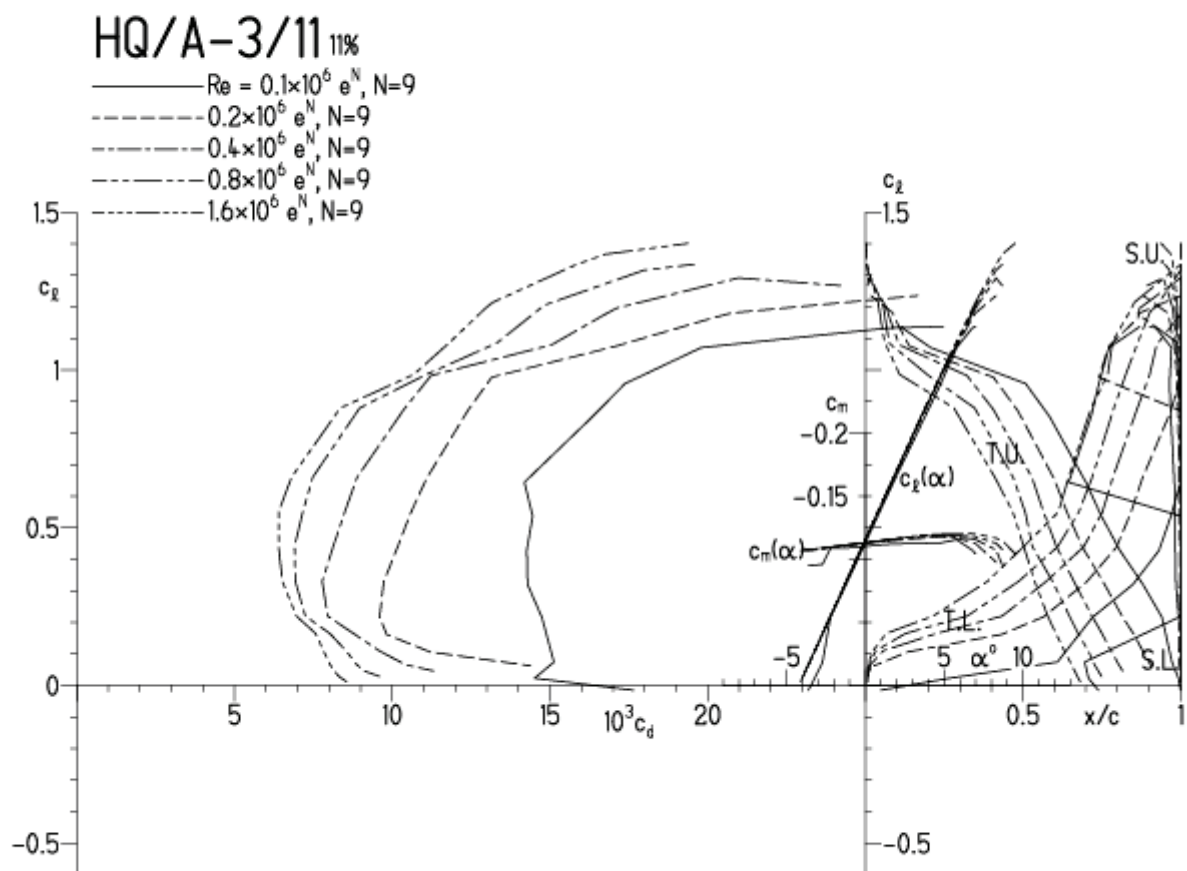


# HQ/ACRO-3/11, N=9

EPPLER 2005 V. 8.5.07 RUN 28.8.12 18:10

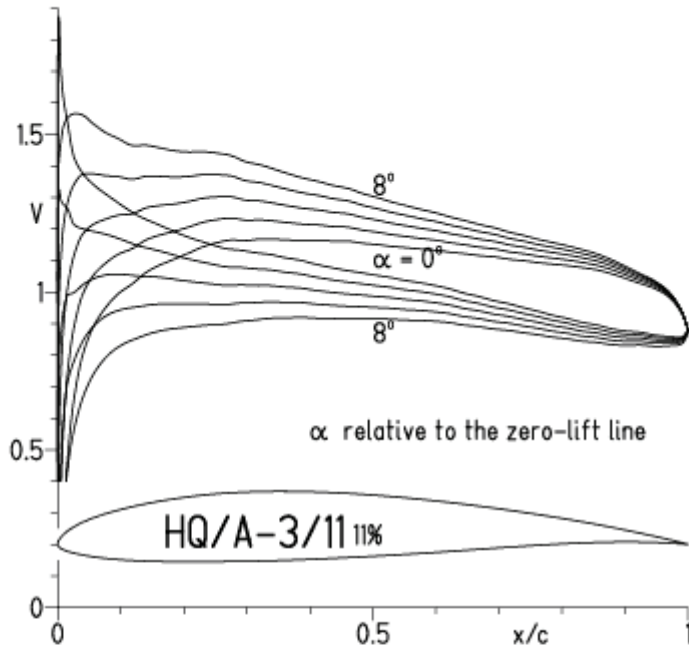


EPPLER 2005 V. 8.5.07 RUN 28.8.12 18:10



HQ/ACRO-3/11, N=9 (turbulenter Flächenspitzenbereich)

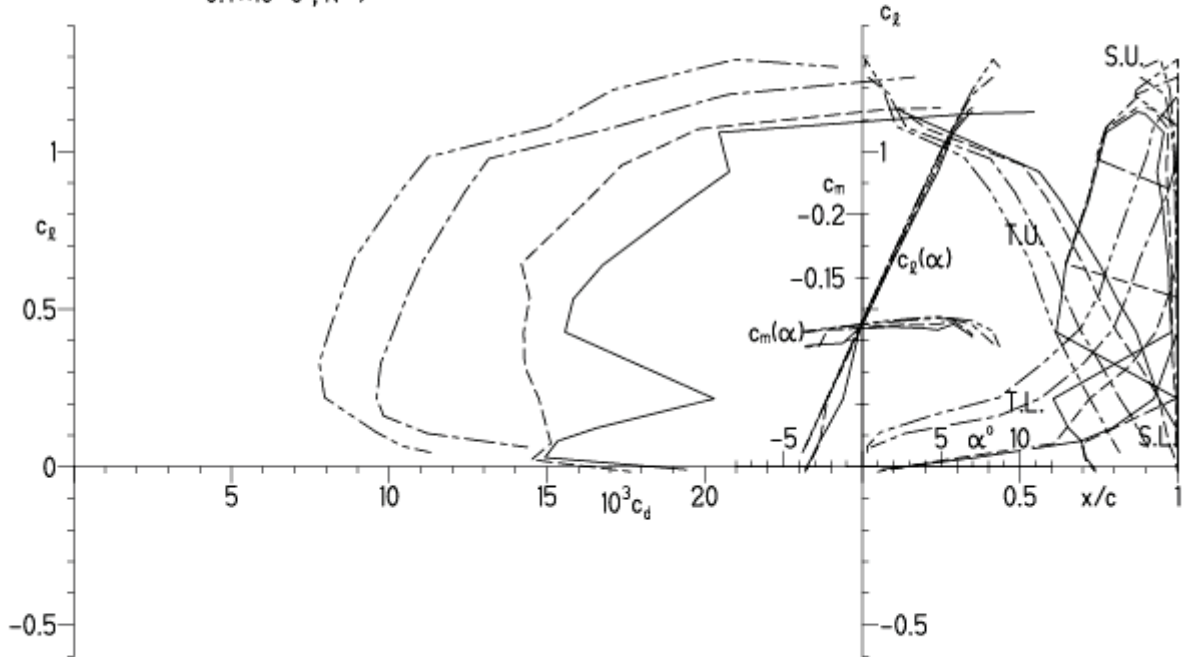
EPPLER 2005 V. 8.5.07 RUN 28.8.12 18:16



EPPLER 2005 V. 8.5.07 RUN 28.8.12 18:16

HQ/A-3/11 11%

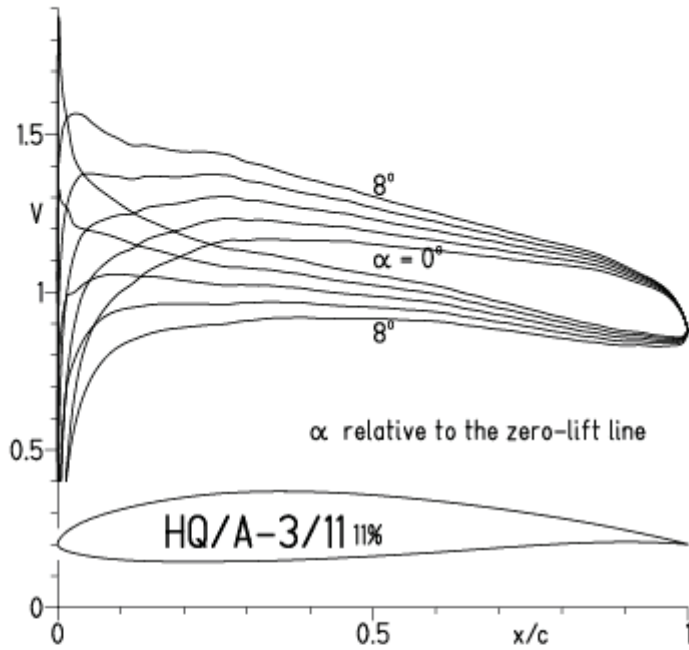
- $Re = 75\,000 e^N, N=9$
- - -  $0.1 \times 10^6 e^N, N=9$
- · -  $0.2 \times 10^6 e^N, N=9$
- · - ·  $0.4 \times 10^6 e^N, N=9$





HQ/ACRO-3/11, N=7 (turbulenter Flächenspitzenbereich)

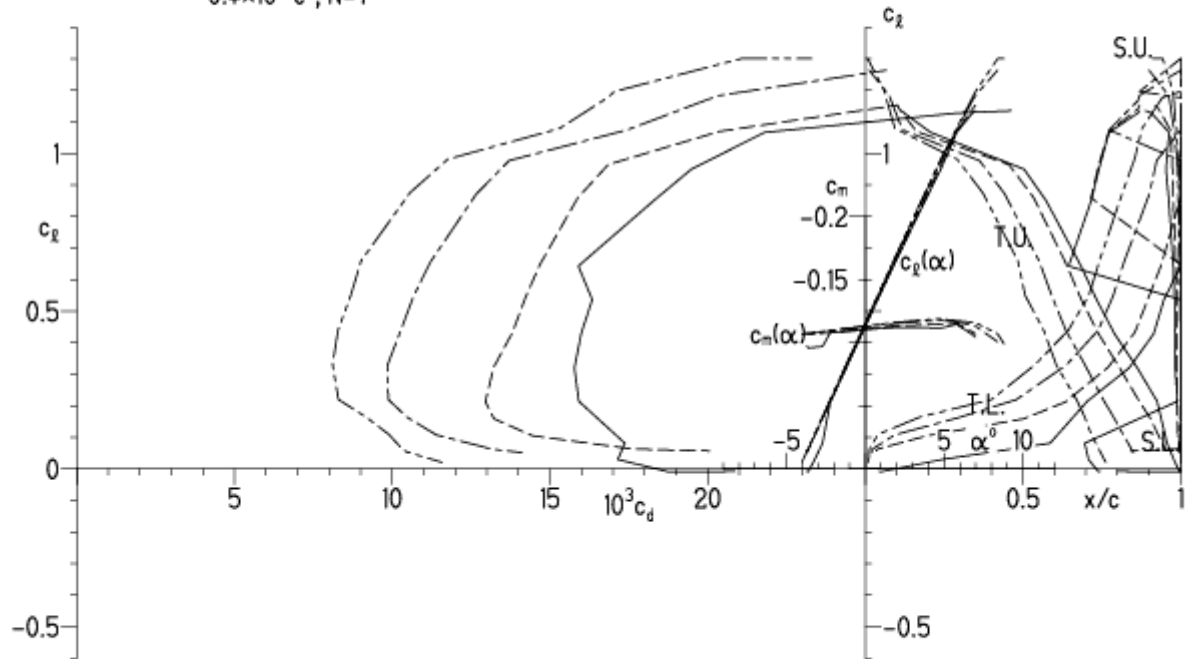
EPPLER 2005 V. 8.5.07 RUN 28.8.12 18:36



EPPLER 2005 V. 8.5.07 RUN 28.8.12 18:36

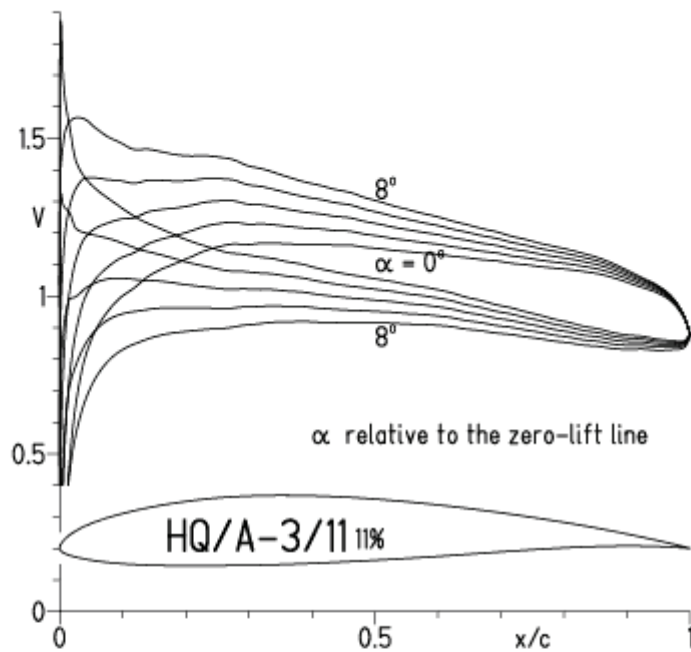
HQ/A-3/11 11%

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



# HQ/ACRO-3/11, N=7 (turbulenter Flächenspitzenbereich), Turbulatoreffekt

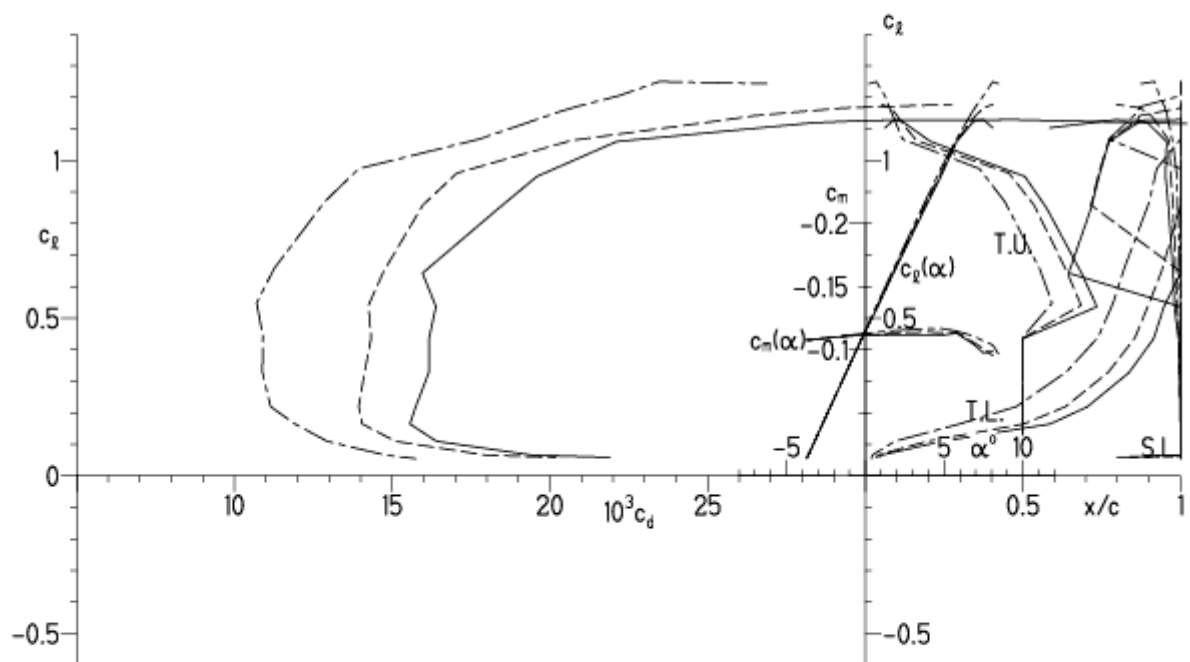
EPPLER 2005 V. 8.5.07 RUN 28.8.12 18:46



EPPLER 2005 V. 8.5.07 RUN 28.8.12 18:46

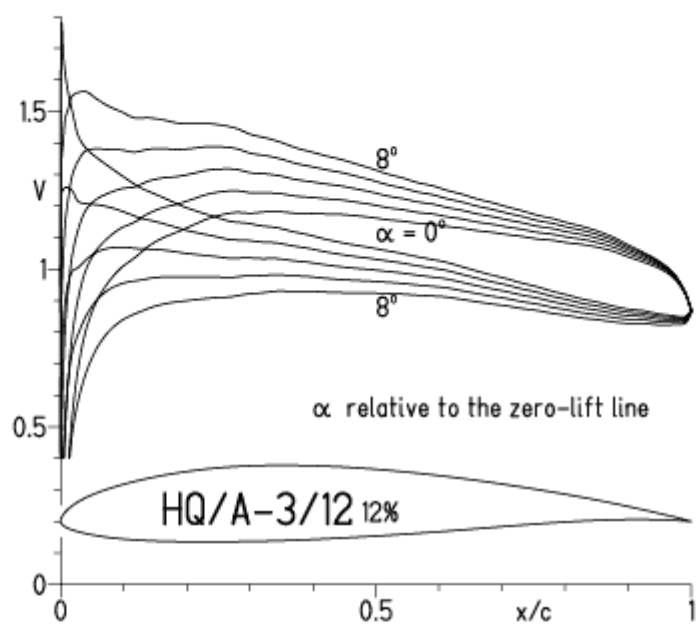
## HQ/A-3/11 11%

- $Re = 75\,000$ , 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%  $e^N$ ,  $N=7$

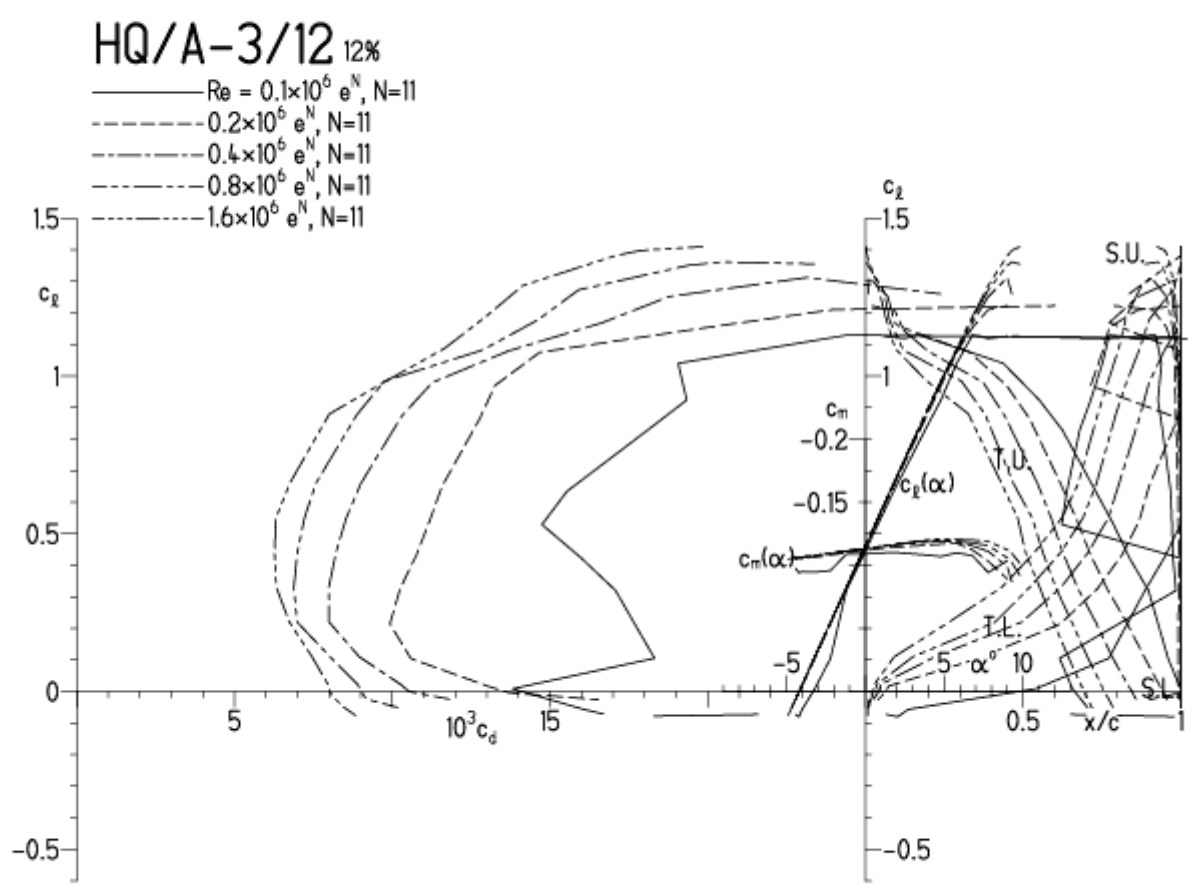


HQ/ACRO-3/12, N=11

EPPLER 2005 V. 8.5.07 RUN 29.8.12 12:53

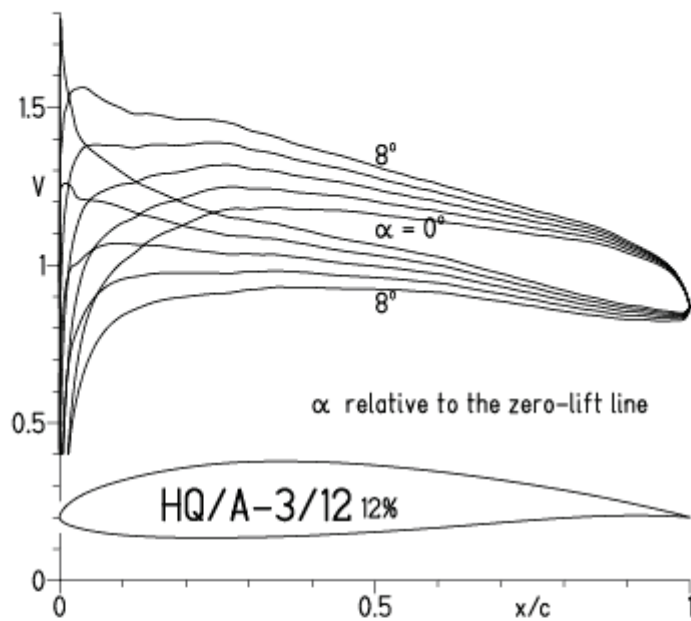


EPPLER 2005 V. 8.5.07 RUN 29.8.12 12:53

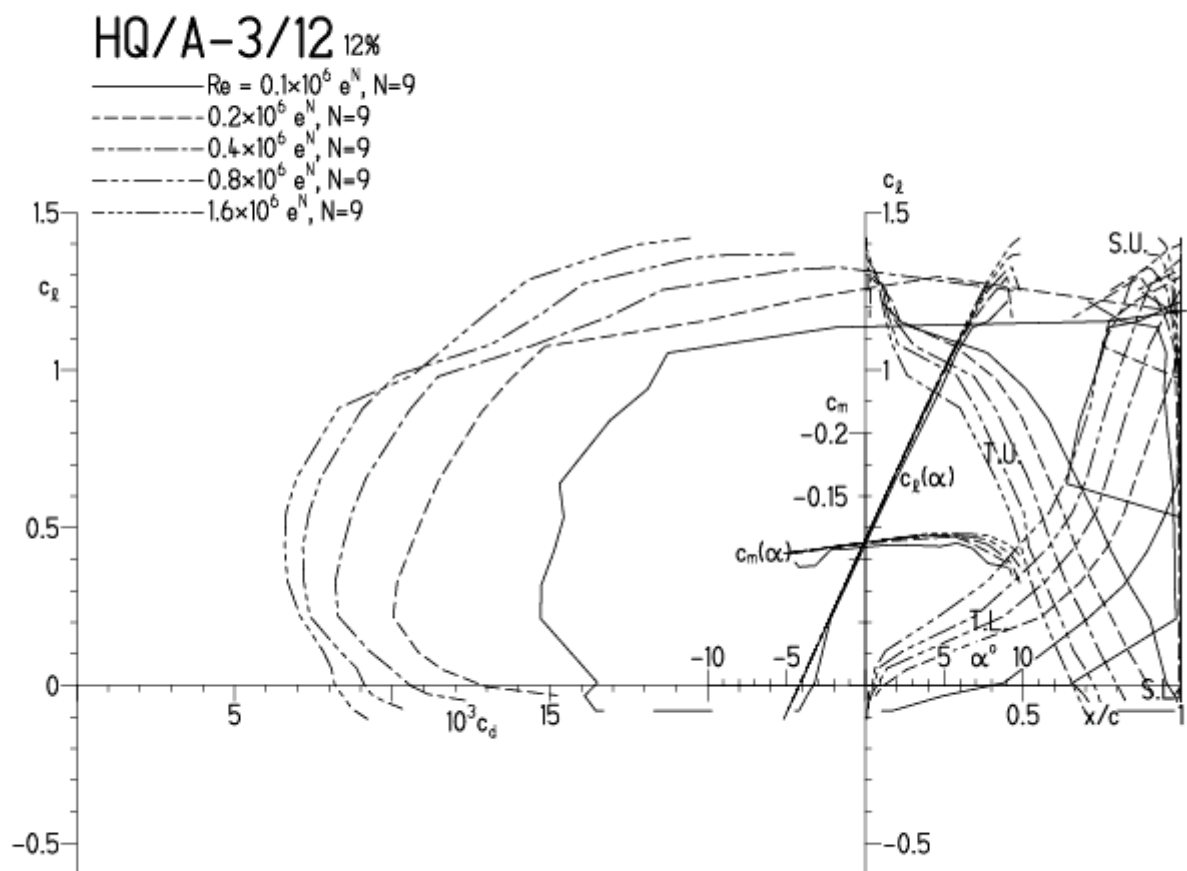


# HQ/ACRO-3/12, N=9

EPPLER 2005 V. 8.5.07 RUN 29.8.12 13:23

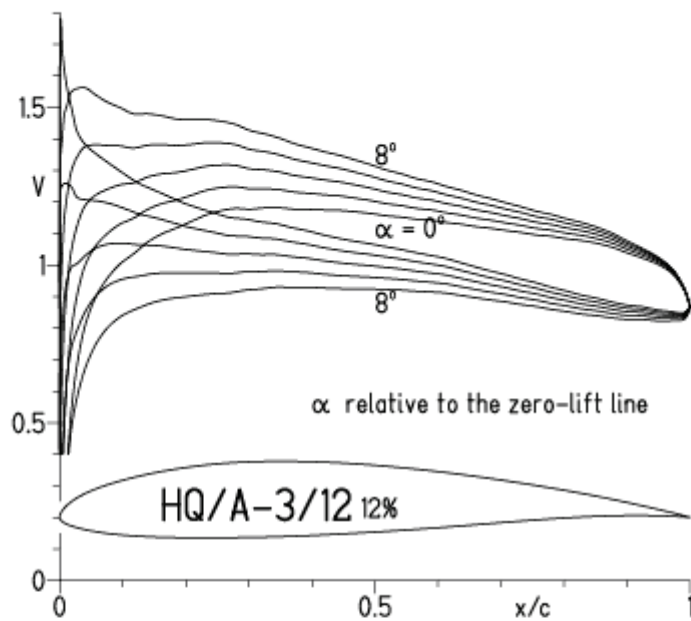


EPPLER 2005 V. 8.5.07 RUN 29.8.12 13:23



# HQ/ACRO-3/12, N=9 (turbulenter Flächenspitzenbereich)

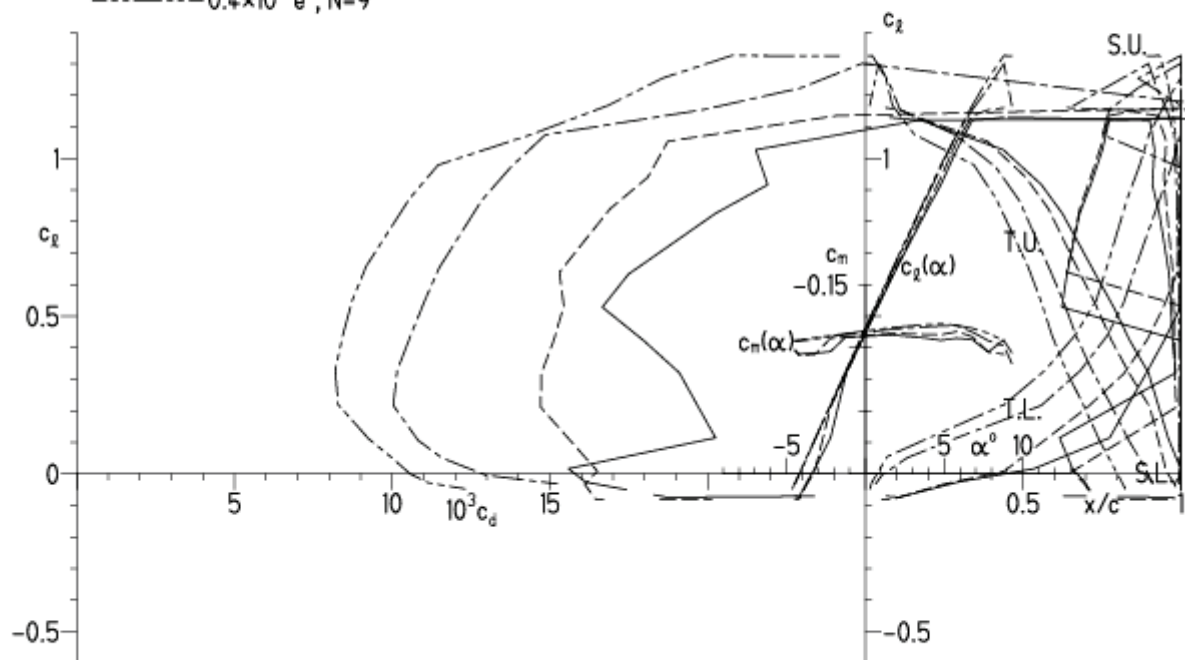
EPPLER 2005 V. 8.5.07 RUN 29.8.12 13:32



EPPLER 2005 V. 8.5.07 RUN 29.8.12 13:32

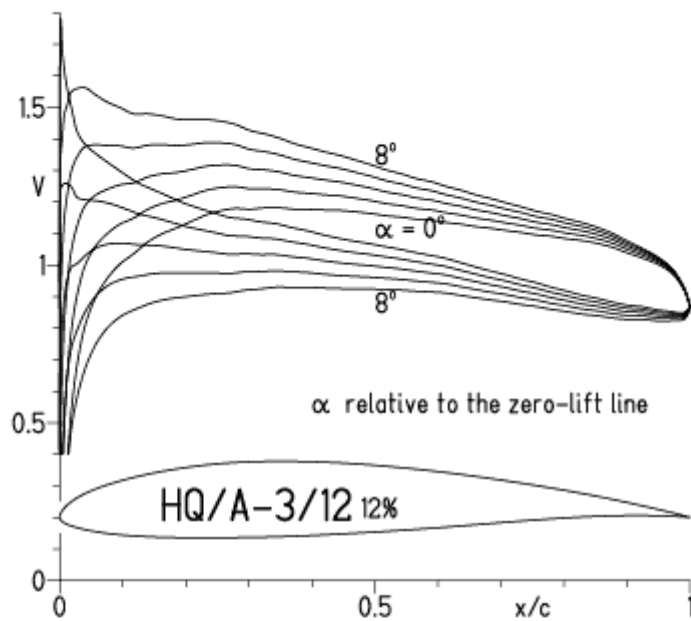
## HQ/A-3/12 12%

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



# HQ/ACRO-3/12, N=7 (turbulenter Flächenspitzenbereich)

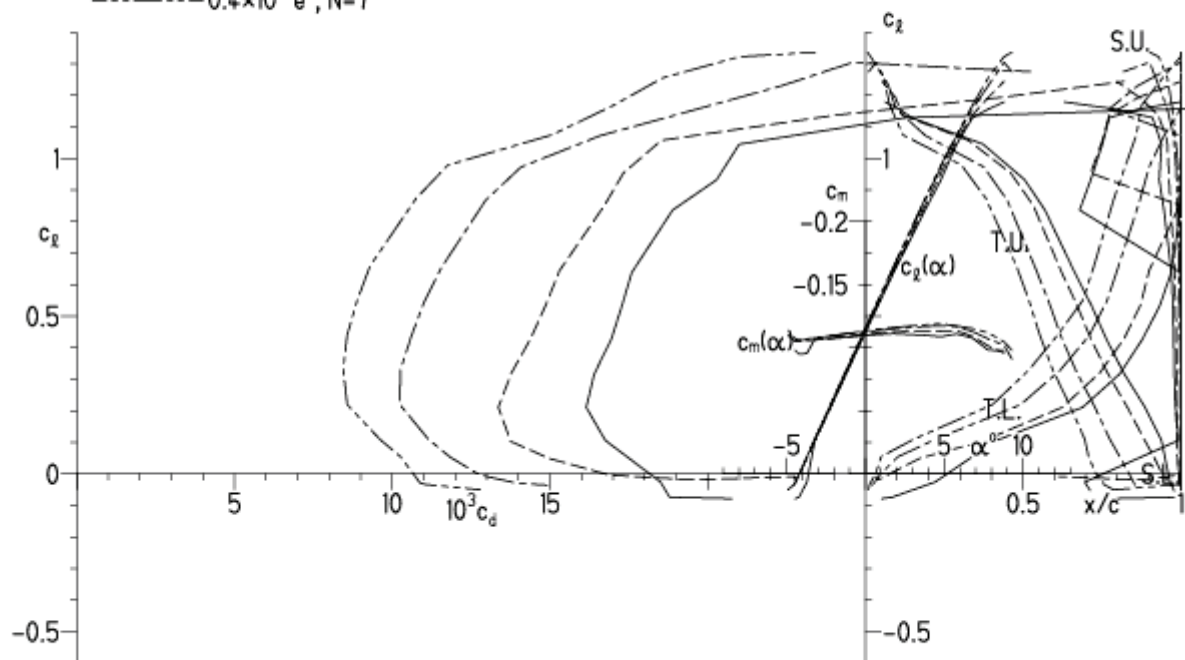
EPPLER 2005 V. 8.5.07 RUN 29.8.12 13:40



EPPLER 2005 V. 8.5.07 RUN 29.8.12 1

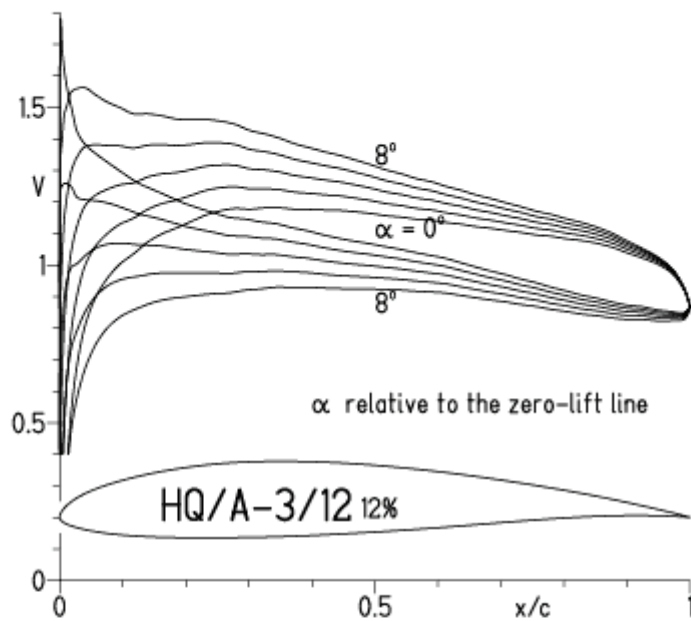
## HQ/A-3/12 12%

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



# HQ/ACRO-3/12, N=7 (turbulenter Flächenspitzenbereich), Turbulatoreffekt

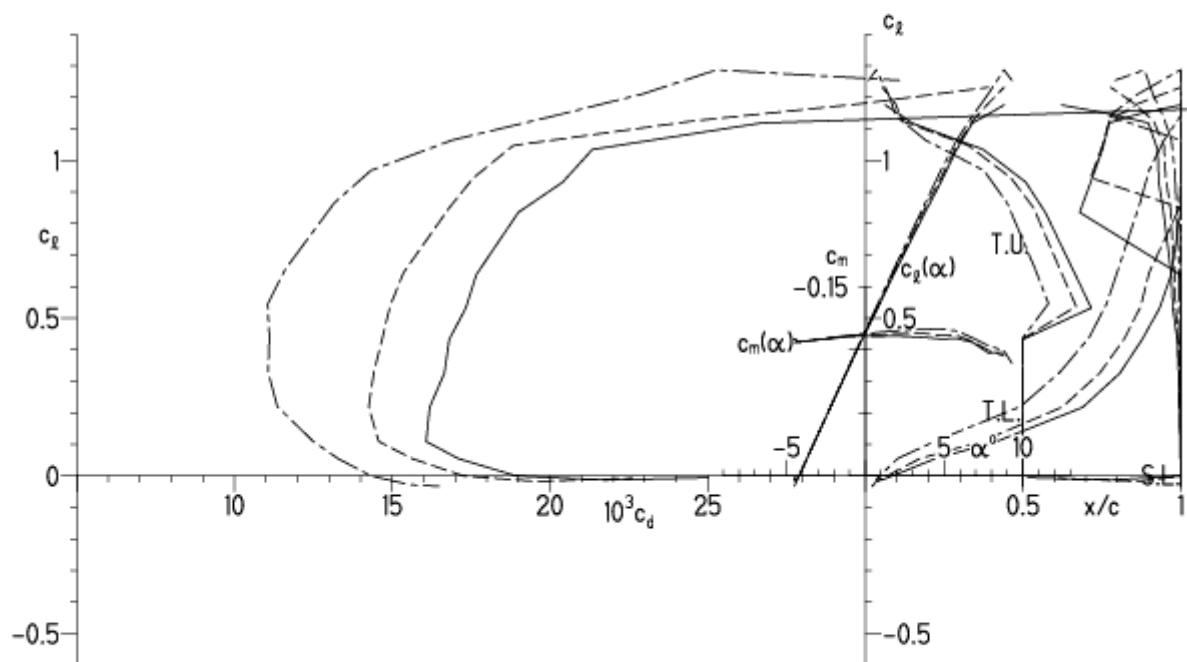
EPPLER 2005 V. 8.5.07 RUN 29.8.12 13:43



EPPLER 2005 V. 8.5.07 RUN 29.8.1

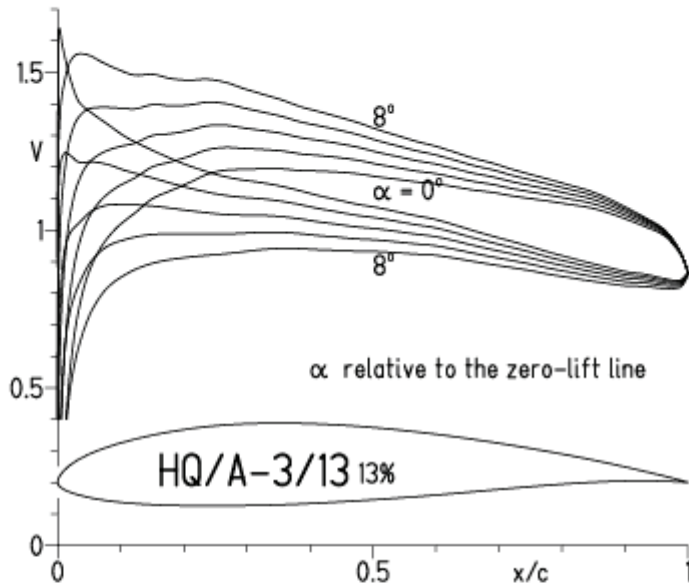
## HQ/A-3/12 12%

- $Re = 75\,000$ , 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%  $e^N$ ,  $N=7$

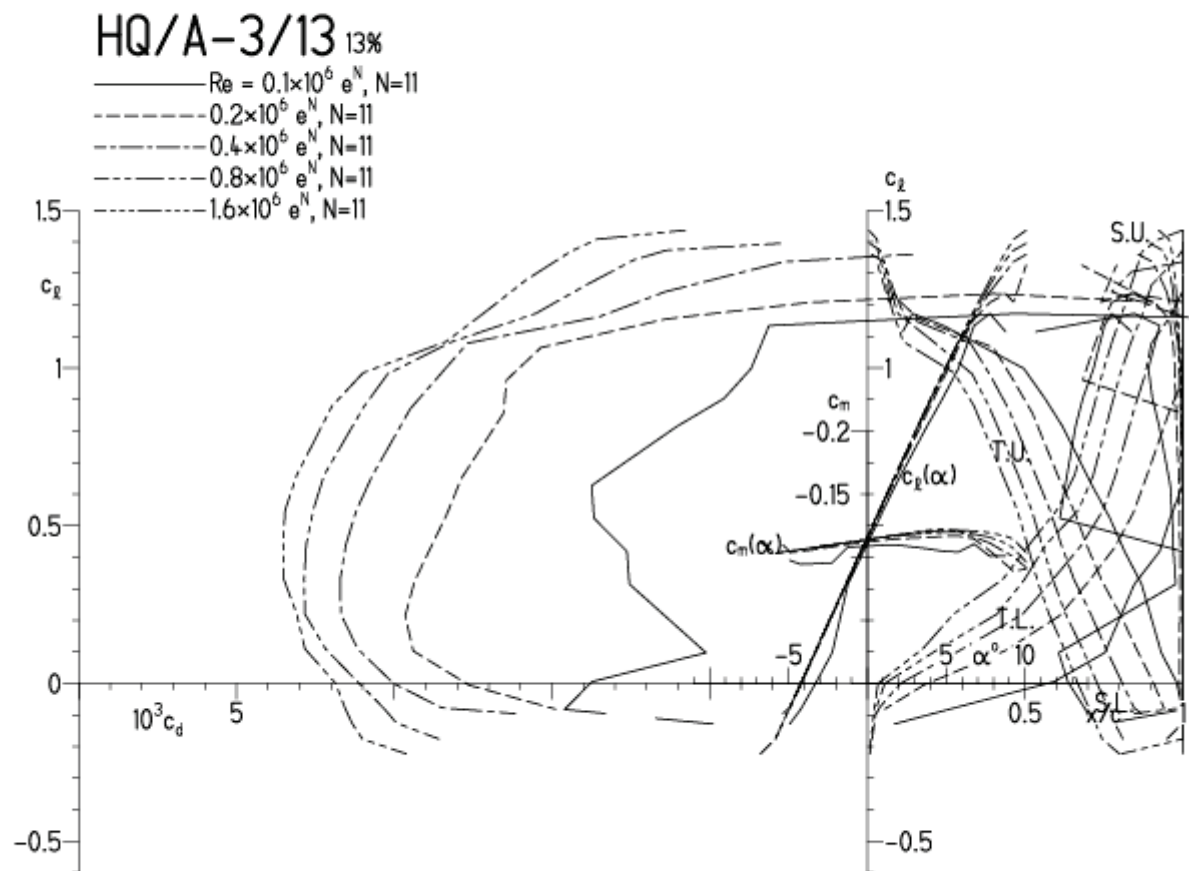


HQ/ACRO-3/13, N=11

EPPLER 2005 V. 8.5.07 RUN 30.8.12 9:59



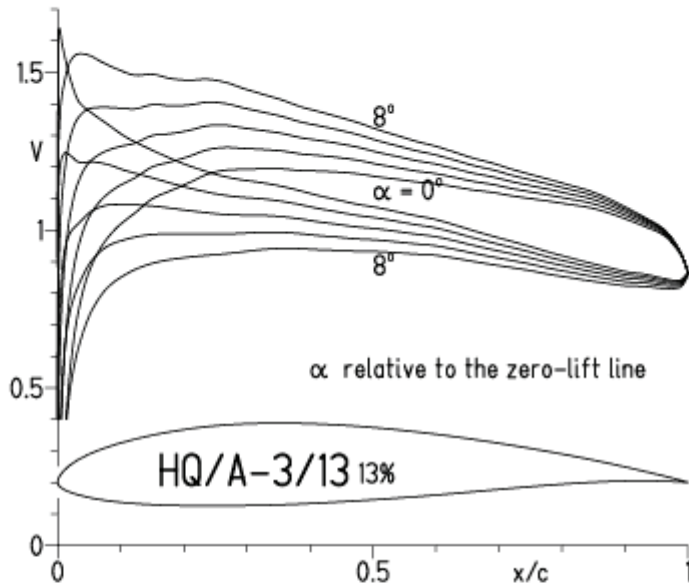
EPPLER 2005 V. 8.5.07 RUN 30.8.12 9:59



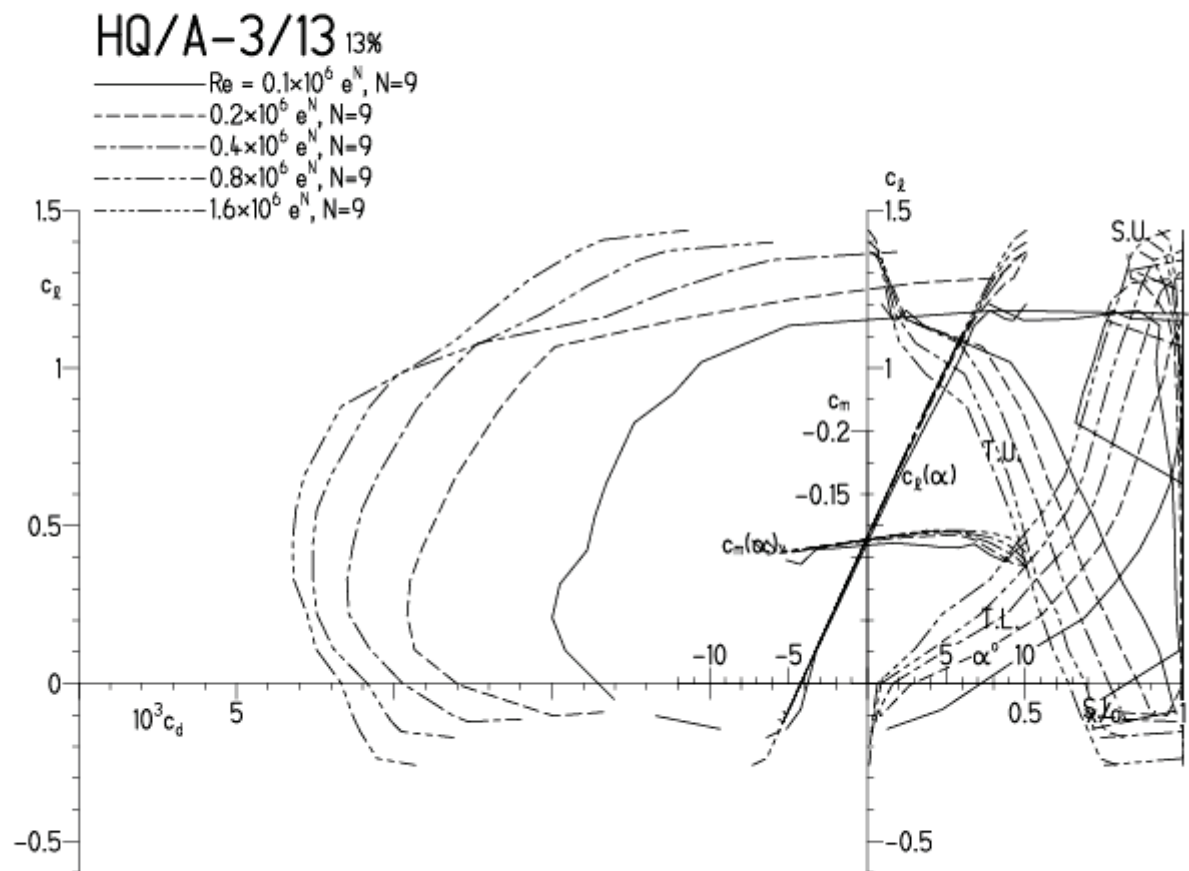


HQ/ACRO-3/13, N=9

EPPLER 2005 V. 8.5.07 RUN 30.8.12 10:55

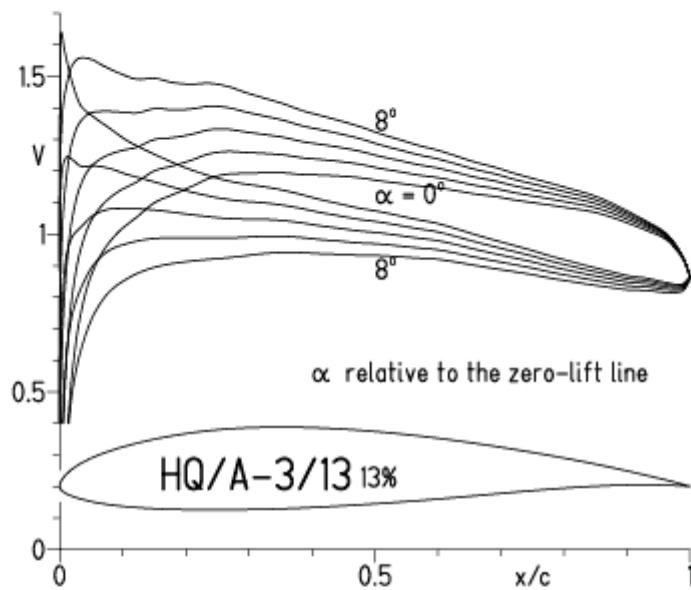


EPPLER 2005 V. 8.5.07 RUN 30.8.12 10:55



# HQ/ACRO-3/13, N=9 (turbulenter Flächenspitzenbereich)

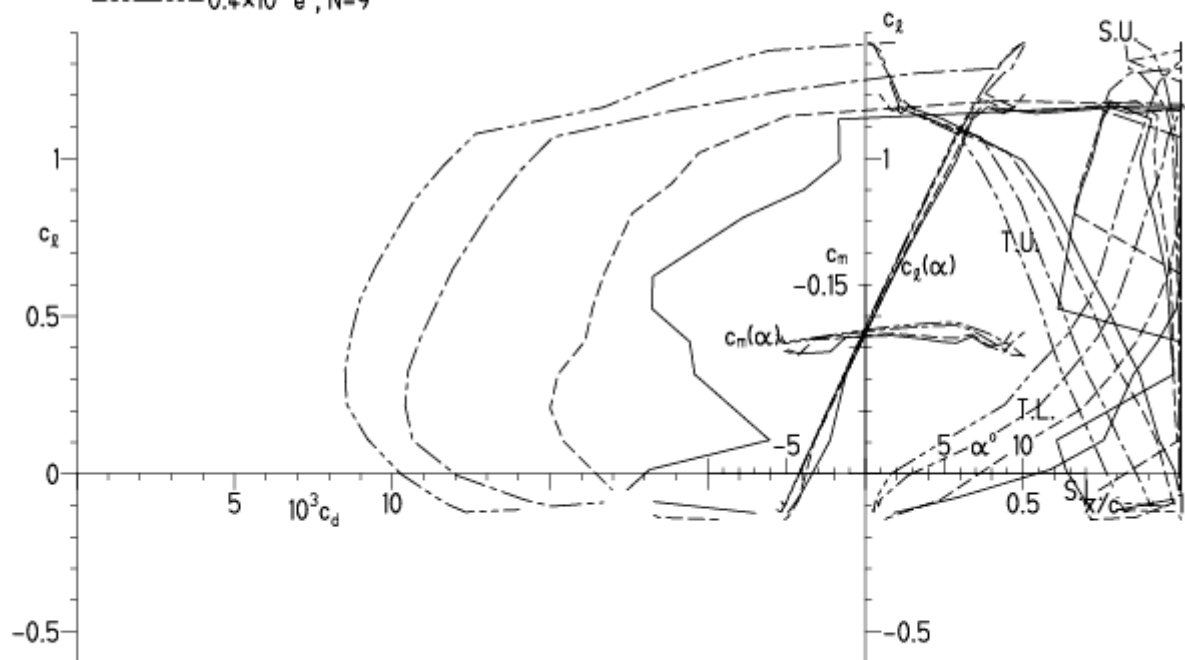
EPPLER 2005 V. 8.5.07 RUN 30.8.12 11:01



EPPLER 200

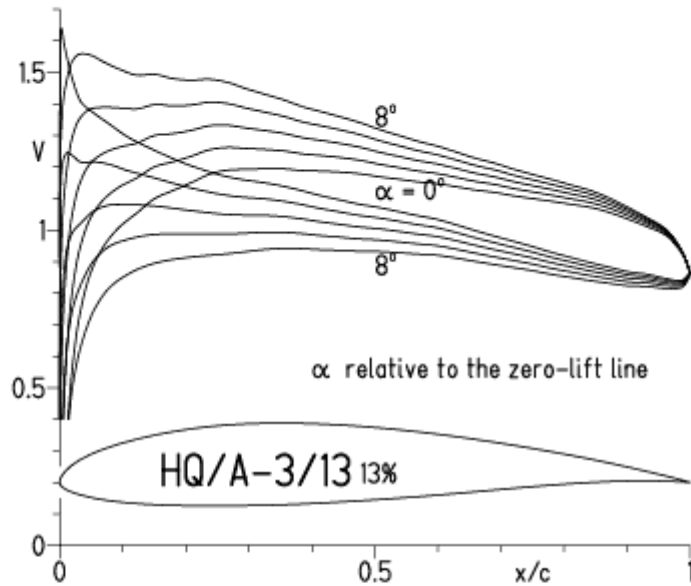
## HQ/A-3/13 13%

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



# HQ/ACRO-3/13, N=7 (turbulenter Flächenspitzenbereich)

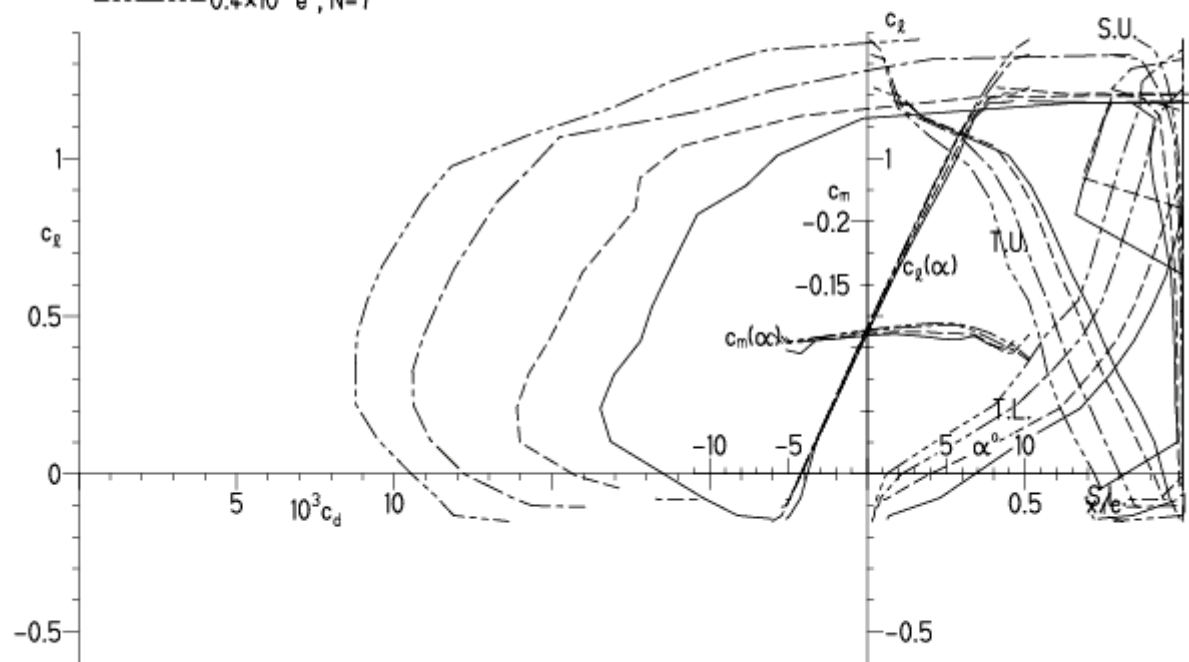
EPPLER 2005 V. 8.5.07 RUN 30.8.12 11:10



EPPLER 2005 V. 8.5.07 RUN 30.8.12 11:10

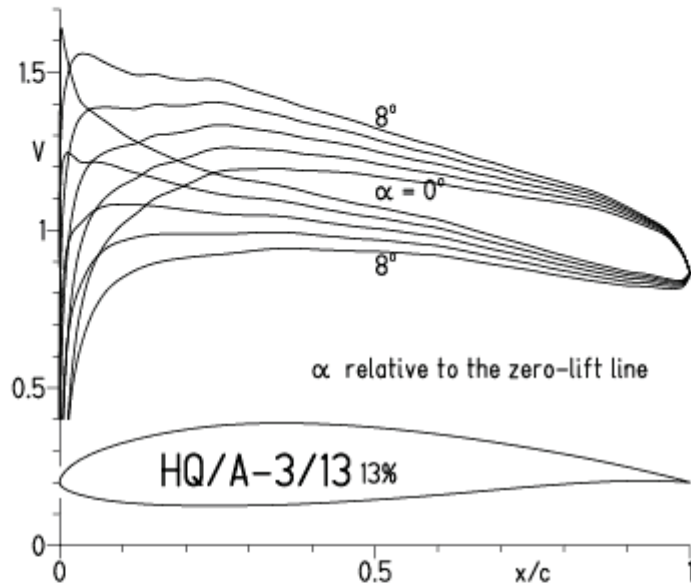
## HQ/A-3/13 13%

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



# HQ/ACRO-3/13, N=7 (turbulenter Flächenspitzenbereich), Turbulatoreffekt

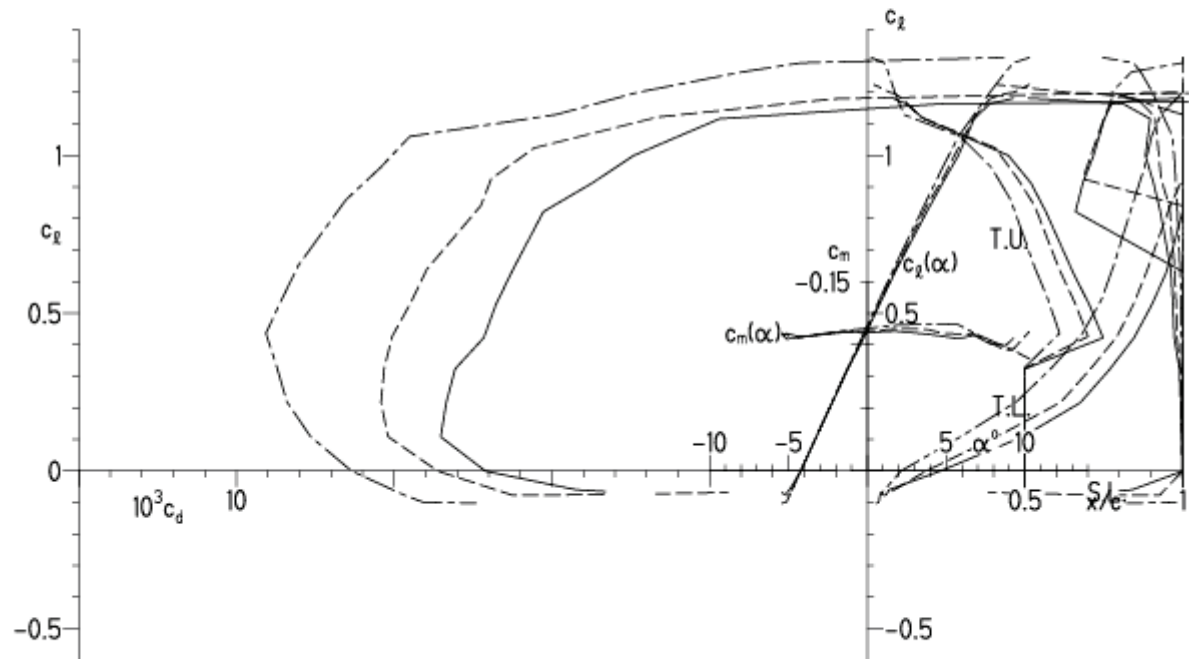
EPPLER 2005 V. 8.5.07 RUN 30.8.12 11:14



EPPLER 2005 V. 8.5.07 RUN 30.8.12 11:14

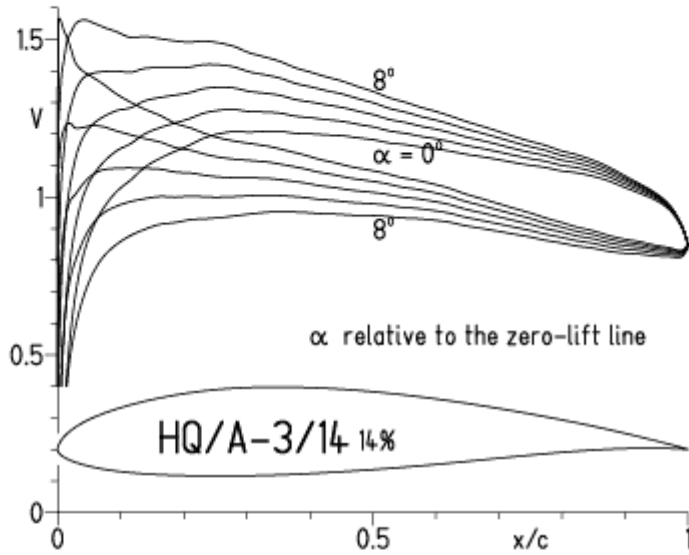
## HQ/A-3/13 13%

- $Re = 75\,000$ , 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%  $e^N$ ,  $N=7$

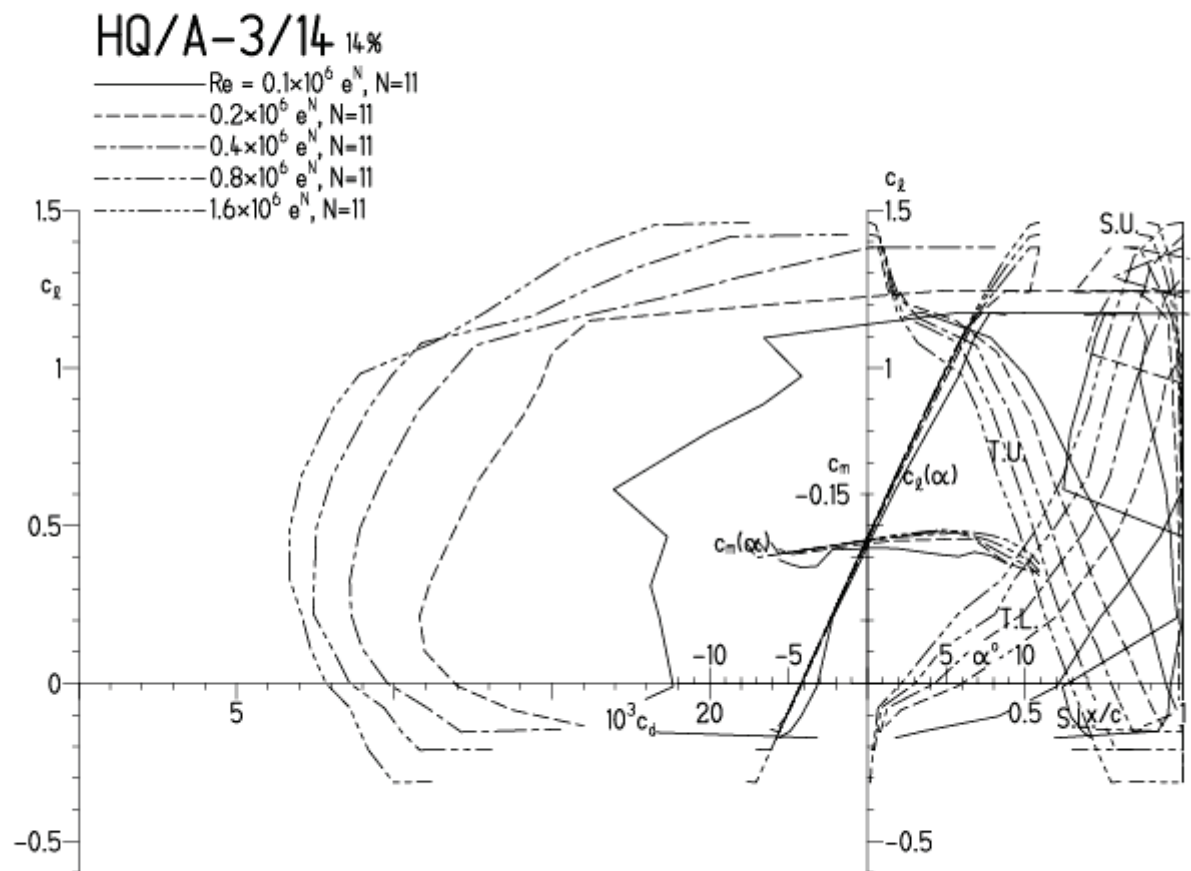


HQ/ACRO-3/14, N=11

EPPLER 2005 V. 8.5.07 RUN 30.8.12 11:49

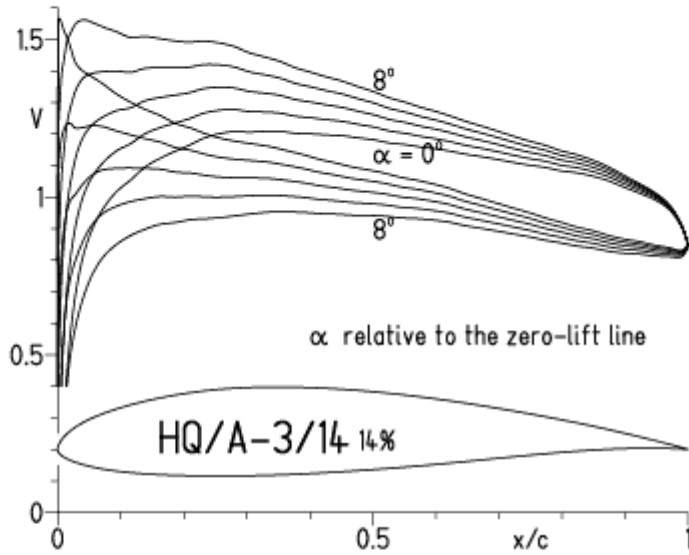


EPPLER 2005 V. 8.5.07 RUN 30.8.12 11:49

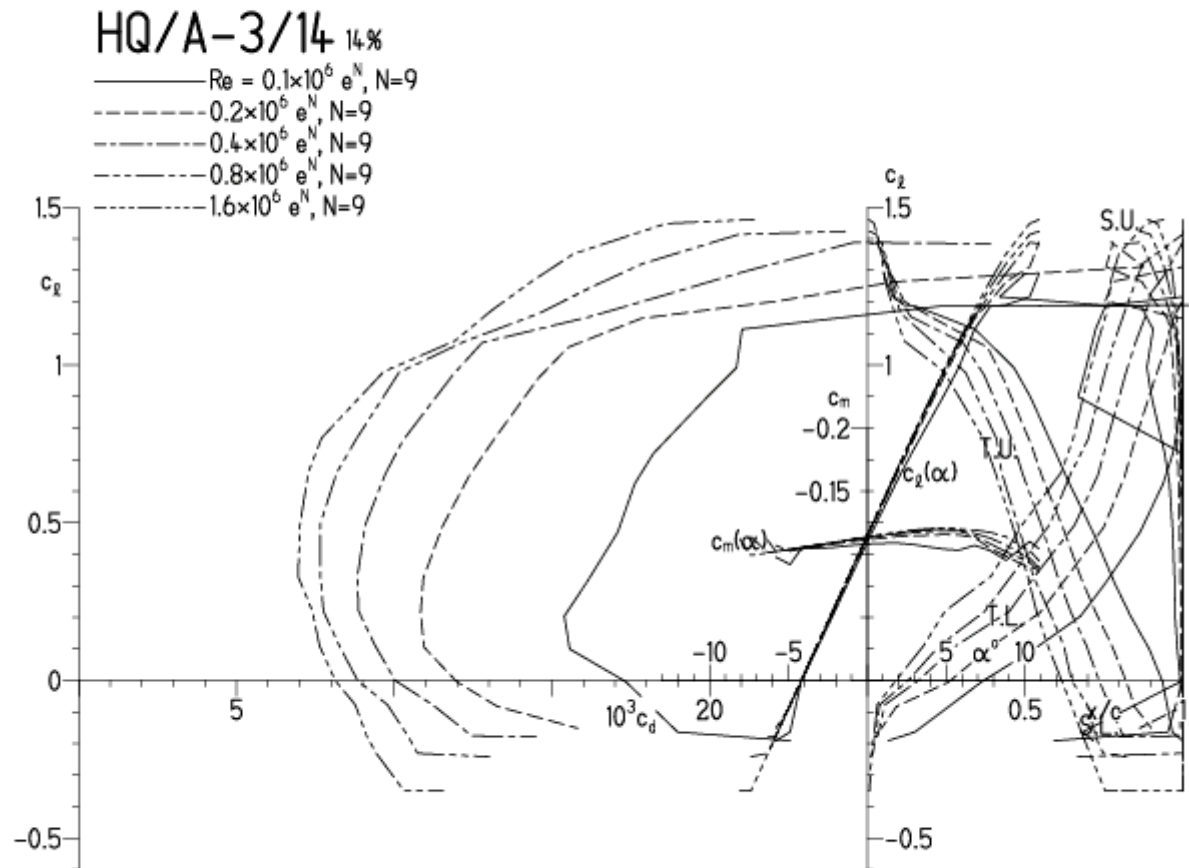


HQ/ACRO-3/14, N=9

EPPLER 2005 V. 8.5.07 RUN 30.8.12 12:12

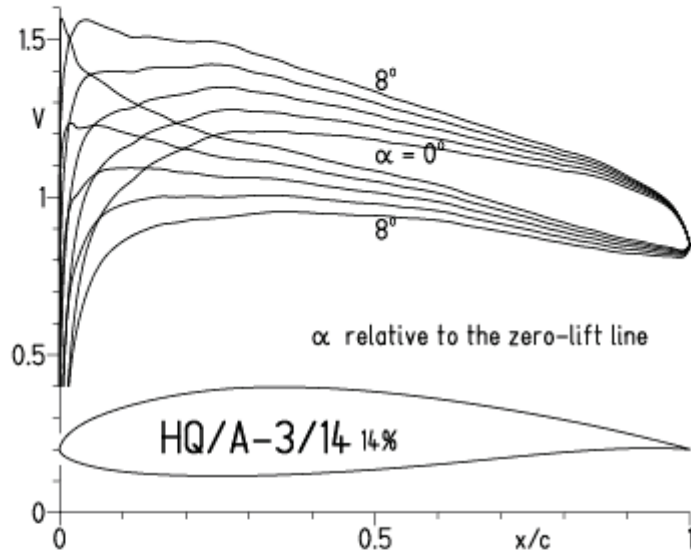


EPPLER 2005 V. 8.5.07 RUN 30.8.12 12:12



# HQ/ACRO-3/14, N=9 (turbulenter Flächenspitzenbereich)

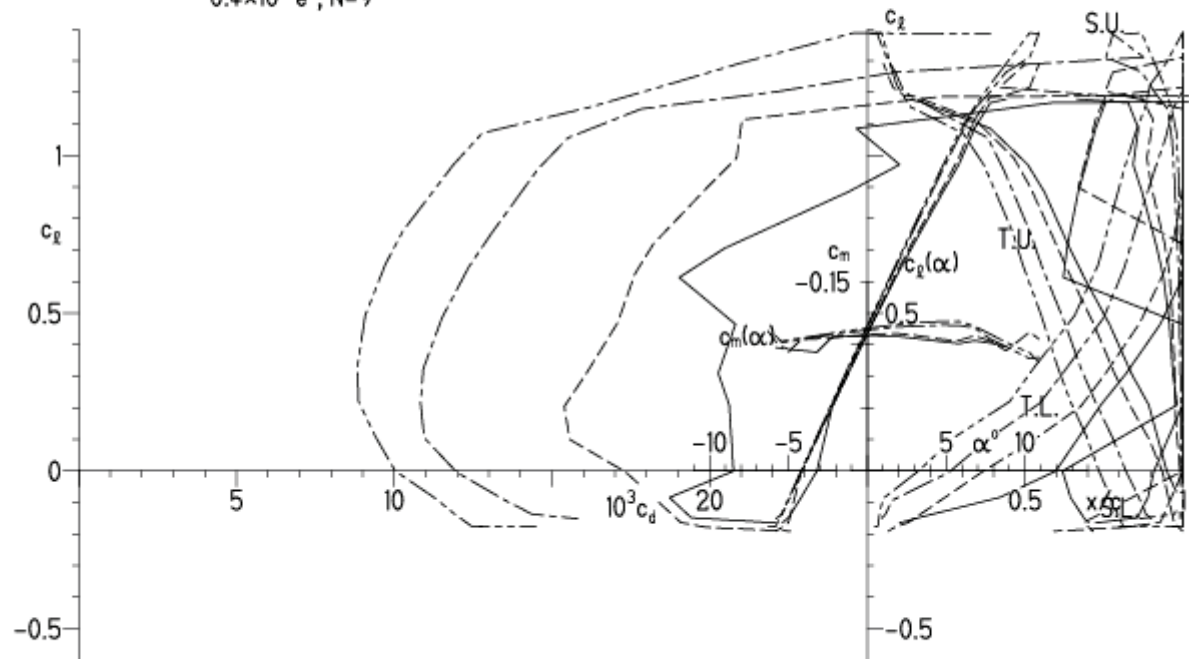
EPPLER 2005 V. 8.5.07 RUN 30.8.12 12:17



EPPLER 2005 V. 8.5.07 RUN 30.8.12 12:17

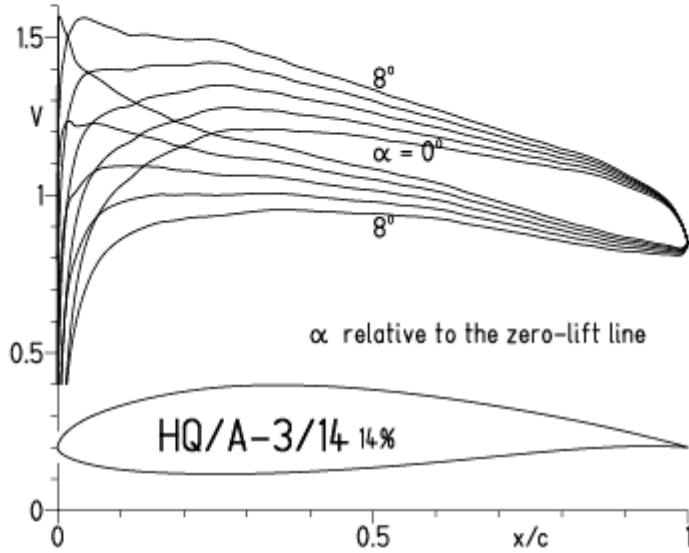
## HQ/A-3/14 14%

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



HQ/ACRO-3/14, N=7 (turbulenter Flächenspitzenbereich)

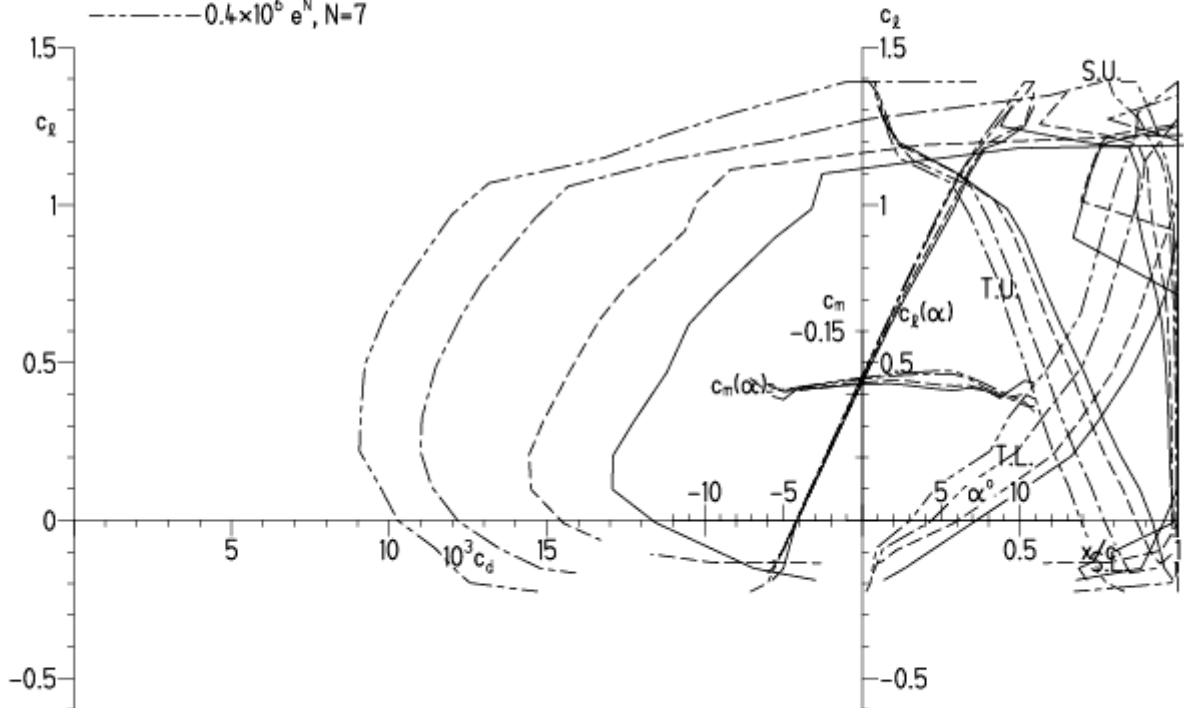
EPPLER 2005 V. 8.5.07 RUN 30.8.12 12:29



EPPLER 2005 V. 8.5.07 RUN 30.8.12 12:29

HQ/A-3/14 14%

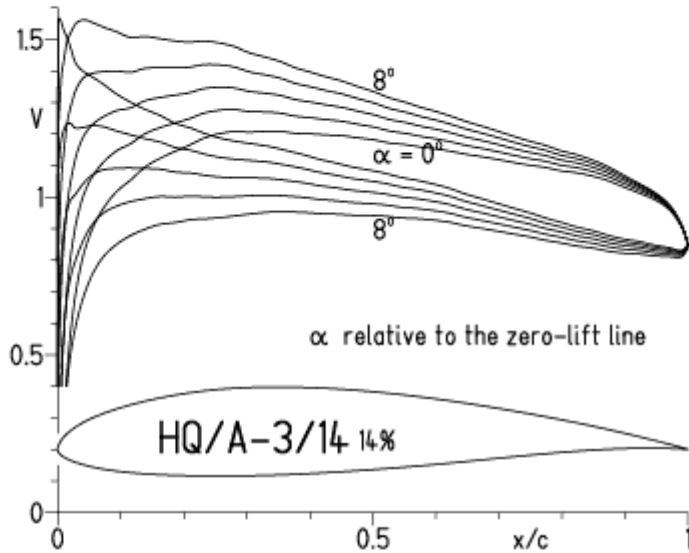
- $Re = 75\,000 e^N, N=7$
- - -  $0.1 \times 10^6 e^N, N=7$
- · -  $0.2 \times 10^6 e^N, N=7$
- - -  $0.4 \times 10^6 e^N, N=7$





HQ/ACRO-3/14, N=7 (turbulenter Flächenspitzenbereich), Turbulatoreffekt

EPPLER 2005 V. 8.5.07 RUN 30.8.12 12:36



EPPLER 2005 V. 8.5.07 RUN 30.8.12 12:36

HQ/A-3/14 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%  $e^N$ ,  $N=7$

