

Messungen Ebene Platte (GWK3) vor Kanal MWK1 18.02.2018

g = 9.8066 m/s² Erdbeschleunigung
s = 0.3 m Spannweite
l = 0.075 m Flügeltiefe
A = 0.0225 m² Grundfläche
rho = 1.2 kg/m³ Luftdichte
1/2*rho*A = 0.0135 kg/m = 13.5 g/m

U0	alfa_S	Uhrzeit	Messzeit	Waage A	Waage B	F_A	F_W	<F_A>	<F_W>	<c_A>	<C_W>
[m/s]	[deg]	hh:mm	[s]	-(A+W) [g]	W [g]	[mN]	[mN]	[mN]	[mN]	[-]	[-]
12	-90	13:54	45.424	620.4	621.2	7.6	2,512.9	-31.8	2,262.4	-0.016	1.164
12	-60	13:53	38.613	762.2	569.4	-875.0	2,005.0	-925.5	1,765.7	-0.476	0.908
12	-50	13:52	38.43	812.1	542.3	-1,098.6	1,739.2	-1,136.0	1,487.8	-0.584	0.765
12	-40	13:51	37.873	855.1	512.3	-1,226.1	1,445.0	-1,271.2	1,198.0	-0.654	0.616
12	-38	13:50	35.833	864.4	508.3	-1,278.0	1,405.8	-1,296.6	1,148.5	-0.667	0.591
12	-36	13:49	32.953	872.3	502.8	-1,301.6	1,351.8	-1,320.3	1,089.7	-0.679	0.561
12	-34	13:48	24.333	880.8	495	-1,308.4	1,275.3	-1,365.9	1,045.5	-0.703	0.538
12	-32	13:47	20.263	887.3	488.8	-1,311.4	1,214.5	-1,377.1	994.1	-0.708	0.511
12	-30	13:46	23.343	895	485.1	-1,350.6	1,178.3	-1,409.7	949.1	-0.725	0.488
12	-28	13:45	15.3	901.6	480.2	-1,367.3	1,130.2	-1,406.6	886.9	-0.724	0.456
12	-26	13:44	8.833	909.6	475.6	-1,400.6	1,085.1	-1,409.4	826.3	-0.725	0.425
12	-24	13:43	8.593	914.9	468.7	-1,384.9	1,017.4	-1,420.7	775.0	-0.731	0.399
12	-22	13:42	7.442	922.7	462.5	-1,400.6	956.6	-1,425.8	702.4	-0.733	0.361
12	-20	13:41	12.572	929.2	457.6	-1,416.3	908.6	-1,450.4	664.3	-0.746	0.342
12	-18	13:40	0.632	934.9	451.5	-1,412.4	848.8	-1,453.3	602.4	-0.748	0.310
12	-16	13:39	0.142	941.6	443.5	-1,399.6	770.3	-1,440.9	530.5	-0.741	0.273
12	-14	13:38	5.562	945.2	438.1	-1,382.0	717.4	-1,415.0	463.5	-0.728	0.238
12	-12	13:37	2.322	947.7	429.1	-1,318.3	629.1	-1,357.0	392.5	-0.698	0.202
12	-10	13:35	57.902	942.5	419.8	-1,176.1	537.9	-1,205.7	295.2	-0.620	0.152
12	-8	13:34	48.692	930	411.3	-970.1	454.5	-996.4	205.1	-0.513	0.106
12	-6	13:33	51.692	912.3	404.9	-733.8	391.8	-761.9	150.7	-0.392	0.078
12	-4	13:32	52.332	893.6	400.4	-506.3	347.6	-526.9	112.8	-0.271	0.058
12	-2	13:31	45.982	869.4	399.8	-263.1	341.8	-298.5	93.9	-0.154	0.048
12	0	12:58	27.449	854.6	398.1	-101.3	325.1	-156.5	84.2	-0.080	0.043
12	0	13:30	28.721	849.6	399.6	-66.9	339.8	-96.4	97.1	-0.050	0.050
12	0	13:55	57.854	851.3	398.7	-74.8	331.0	-129.5	87.5	-0.067	0.045
12	2	13:01	5.219	834.4	399.5	83.1	338.8	60.6	90.9	0.031	0.047
12	4	13:02	46.959	813.5	401	273.4	353.5	262.9	107.2	0.135	0.055

ANIPROP GbR
Messprotokoll und Auswertung für Waage GWK3

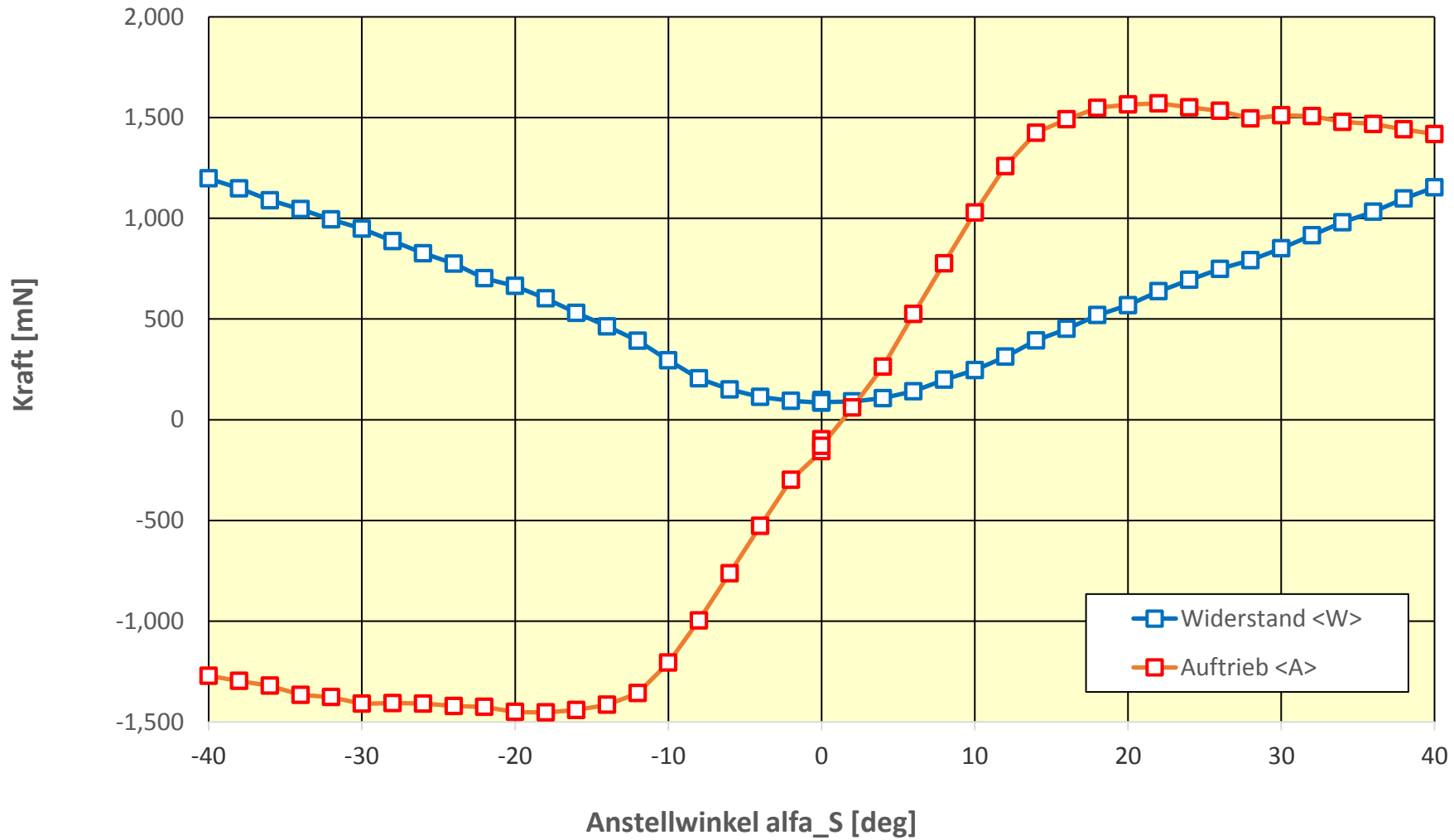
Messung vom 18.02.2018

12	6	13:04	8.419	781.3	404.7	552.8	389.8	524.9	141.0	0.270	0.073
12	8	13:05	11.639	750.6	410.1	801.0	442.8	776.2	198.2	0.399	0.102
12	10	13:07	32.43	721.7	414.7	1,039.3	487.9	1,028.2	246.5	0.529	0.127
12	12	13:08	27.6	686.7	422.6	1,305.0	565.4	1,259.0	313.1	0.648	0.161
12	14	13:10	29.26	664.5	429.4	1,456.0	632.0	1,425.1	393.8	0.733	0.203
12	16	13:11	46.18	650.5	435.8	1,530.6	694.8	1,491.1	450.8	0.767	0.232
12	18	13:12	55.4	640.4	443	1,559.0	765.4	1,548.6	519.1	0.797	0.267
12	20	13:14	6.67	629.3	449	1,609.0	824.2	1,564.7	568.9	0.805	0.293
12	22	13:15	10.17	623.1	455.6	1,605.1	889.0	1,570.7	637.8	0.808	0.328
12	24	13:16	14.52	616.9	461	1,612.9	941.9	1,550.9	694.2	0.798	0.357
12	26	13:17	19.58	618.1	465.4	1,558.0	985.1	1,533.1	748.8	0.789	0.385
12	28	13:18	24.3	618.8	469.5	1,511.0	1,025.3	1,496.1	792.2	0.770	0.408
12	30	13:19	26.931	608.4	476.4	1,545.3	1,092.9	1,510.7	850.8	0.777	0.438
12	32	13:20	35.211	597.2	484.5	1,575.7	1,172.4	1,507.4	915.6	0.775	0.471
12	34	13:21	41.381	595.6	491.8	1,519.8	1,244.0	1,478.6	980.4	0.761	0.504
12	36	13:22	45.811	597.3	494.7	1,474.7	1,272.4	1,468.3	1,032.5	0.755	0.531
12	38	13:23	38.941	579.8	505.6	1,539.4	1,379.3	1,440.9	1,098.2	0.741	0.565
12	40	13:24	48.811	585.2	509.2	1,451.1	1,414.6	1,418.2	1,154.0	0.730	0.594
12	50	13:26	13.361	568.3	538.2	1,332.5	1,699.0	1,305.6	1,451.9	0.672	0.747
12	60	13:27	31.721	557.3	567.9	1,149.1	1,990.2	1,095.8	1,725.1	0.564	0.887
12	90	13:29	9.951	611	610.3	206.7	2,406.0	164.9	2,164.8	0.085	1.114

Waage GWK3 - Ebene Platte

Messwerte: Mittel $\langle x \rangle$ über 12 Werte - Hinterkante auf der Oberseite angeschrägt

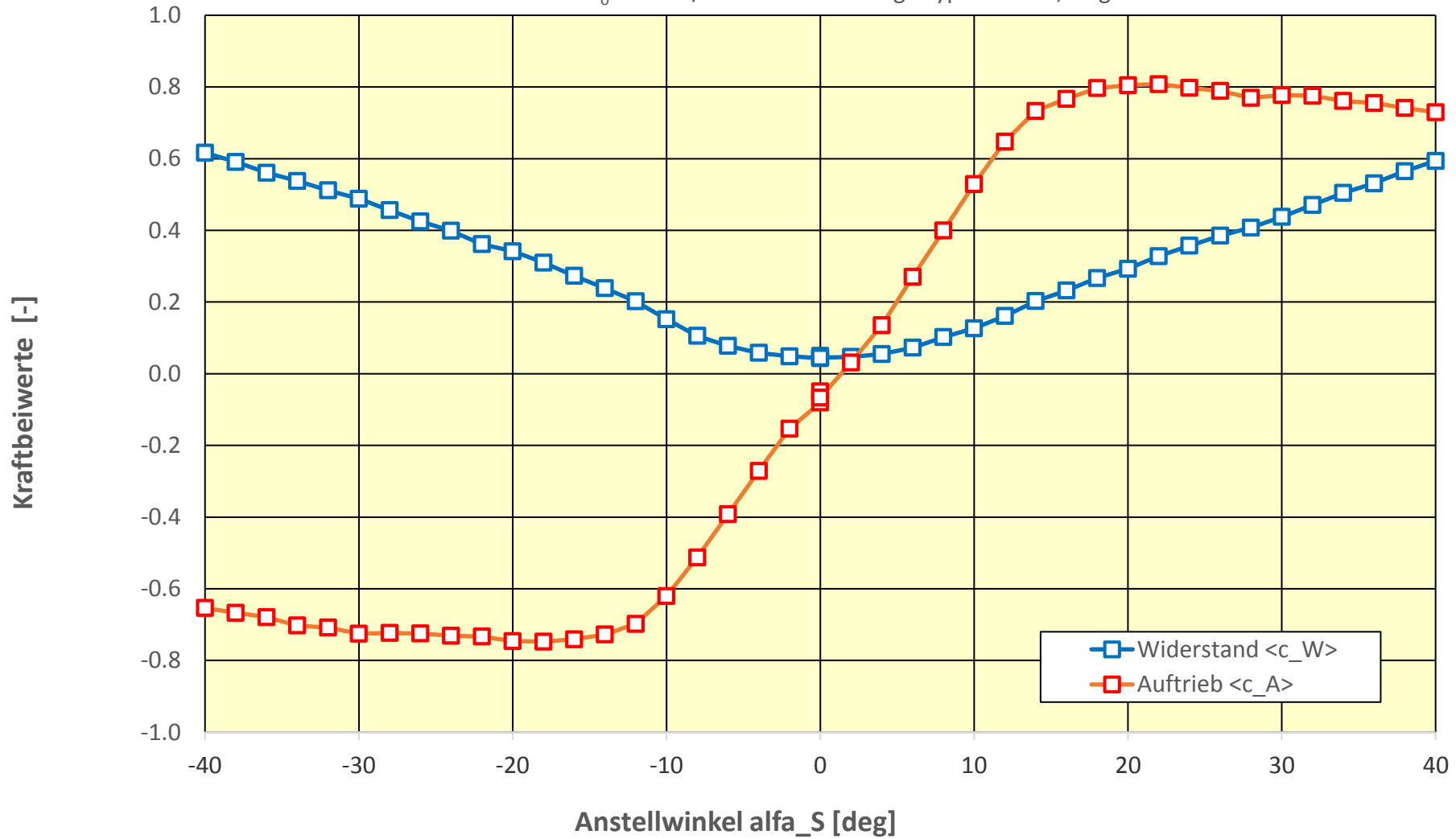
$U_0 = 12 \text{ m/s}$ - Kern Laborwaage Typ 440-45N, 1 kg



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