

Anhang B Tabellen

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Tab. A1: Verteilungsfunktion $\Phi(z)$ der $N(0, 1)$ -Verteilung

z	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359
0.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753
0.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141
0.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517
0.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879
0.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224
0.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549
0.7	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852
0.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133
0.9	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389
1.0	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621
1.1	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830
1.2	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015
1.3	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177
1.4	.9192	.9207	.9222	.9236	.9251	.9265	.9279	.9292	.9306	.9319
1.5	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441
1.6	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545
1.7	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633
1.8	.9641	.9649	.9656	.9664	.9671	.9678	.9686	.9693	.9699	.9706
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767
2.0	.9772	.9778	.9783	.9788	.9793	.9798	.9803	.9808	.9812	.9817
2.1	.9821	.9826	.9830	.9834	.9838	.9842	.9846	.9850	.9854	.9857
2.2	.9861	.9864	.9868	.9871	.9875	.9878	.9881	.9884	.9887	.9890
2.3	.9893	.9896	.9898	.9901	.9904	.9906	.9909	.9911	.9913	.9916
2.4	.9918	.9920	.9922	.9925	.9927	.9929	.9931	.9932	.9934	.9936
2.5	.9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952
2.6	.9953	.9955	.9956	.9957	.9959	.9960	.9961	.9962	.9963	.9964
2.7	.9965	.9966	.9967	.9968	.9969	.9970	.9971	.9972	.9973	.9974
2.8	.9974	.9975	.9976	.9977	.9977	.9978	.9979	.9979	.9980	.9981
2.9	.9981	.9982	.9982	.9983	.9984	.9984	.9985	.9985	.9986	.9986
3.0	.9987	.9987	.9987	.9988	.9988	.9989	.9989	.9989	.9990	.9990
3.1	.9990	.9991	.9991	.9991	.9992	.9992	.9992	.9992	.9993	.9993
3.2	.9993	.9993	.9994	.9994	.9994	.9994	.9994	.9995	.9995	.9995
3.3	.9995	.9995	.9995	.9996	.9996	.9996	.9996	.9996	.9996	.9997
3.4	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9998
3.5	.9998	.9998	.9998	.9998	.9998	.9998	.9998	.9998	.9998	.9998

Für $z < 0$ benutze man die Beziehung $\Phi(-z) = 1 - \Phi(z)$ **Tab. A2: Quantile z_α der $N(0, 1)$ -Verteilung**

α	0.750	0.800	0.850	0.900	0.950	0.975	0.990	0.995	0.999	0.9995
z_α	0.674	0.842	1.036	1.282	1.645	1.960	2.326	2.576	3.090	3.2905

Für $\alpha \leq 0.25$ benutze man die Beziehung $z_\alpha = -z_{1-\alpha}$

Tab. B: Quantile $t_{n;\alpha}$ der t_n-Verteilungen					
α	0.90	0.95	0.975	0.99	0.995
n					
1	3.0777	6.3138	12.7062	31.8205	63.6569
2	1.8856	2.9200	4.3027	6.9646	9.9248
3	1.6377	2.3534	3.1824	4.5407	5.8409
4	1.5332	2.1318	2.7764	3.7469	4.6041
5	1.4759	2.0150	2.5706	3.3649	4.0321
6	1.4398	1.9432	2.4469	3.1427	3.7074
7	1.4149	1.8946	2.3646	2.9980	3.4995
8	1.3968	1.8595	2.3060	2.8965	3.3554
9	1.3830	1.8331	2.2622	2.8214	3.2498
10	1.3722	1.8125	2.2281	2.7638	3.1693
11	1.3634	1.7959	2.2010	2.7181	3.1058
12	1.3562	1.7823	2.1788	2.6810	3.0545
13	1.3502	1.7709	2.1604	2.6503	3.0123
14	1.3450	1.7613	2.1448	2.6245	2.9768
15	1.3406	1.7531	2.1315	2.6025	2.9467
16	1.3368	1.7459	2.1199	2.5835	2.9208
17	1.3334	1.7396	2.1098	2.5669	2.8982
18	1.3304	1.7341	2.1009	2.5524	2.8784
19	1.3277	1.7291	2.0930	2.5395	2.8609
20	1.3253	1.7247	2.0860	2.5280	2.8453
21	1.3232	1.7207	2.0796	2.5176	2.8314
22	1.3212	1.7171	2.0739	2.5083	2.8188
23	1.3195	1.7139	2.0687	2.4999	2.8073
24	1.3178	1.7109	2.0639	2.4922	2.7969
25	1.3163	1.7081	2.0595	2.4851	2.7874
26	1.3150	1.7056	2.0555	2.4786	2.7787
27	1.3137	1.7033	2.0518	2.4727	2.7707
28	1.3125	1.7011	2.0484	2.4671	2.7633
29	1.3114	1.6991	2.0452	2.4620	2.7564
30	1.3104	1.6973	2.0423	2.4573	2.7500
40	1.3031	1.6838	2.0211	2.4233	2.7045
50	1.2987	1.6759	2.0086	2.4033	2.6778
60	1.2958	1.6706	2.0003	2.3901	2.6603
70	1.2938	1.6669	1.9944	2.3808	2.6479
80	1.2922	1.6641	1.9901	2.3739	2.6387
90	1.2910	1.6620	1.9867	2.3685	2.6316
100	1.2901	1.6602	1.9840	2.3642	2.6259
200	1.2858	1.6525	1.9719	2.3451	2.6006
300	1.2844	1.6499	1.9679	2.3388	2.5923
500	1.2832	1.6479	1.9647	2.3338	2.5857
1000	1.2824	1.6464	1.9623	2.3301	2.5807
∞	1.2816	1.6449	1.9600	2.3263	2.5758

Für $\alpha \leq 0.10$ benutze man die Beziehung $t_{n;\alpha} = -t_{n;1-\alpha}$

Tab. C: Quantile $\chi_{n;\alpha}^2$ der χ_n^2 -Verteilungen										
α	0.005	0.01	0.025	0.05	0.10	0.90	0.95	0.975	0.99	0.995
n										
1	0.0000	0.0002	0.0010	0.0039	0.0158	2.7055	3.8415	5.0239	6.6349	7.8794
2	0.0100	0.0201	0.0506	0.1026	0.2107	4.6052	5.9915	7.3778	9.2103	10.5966
3	0.0717	0.1148	0.2158	0.3518	0.5844	6.2514	7.8147	9.3484	11.3449	12.8382
4	0.2070	0.2971	0.4844	0.7107	1.0636	7.7794	9.4877	11.1433	13.2767	14.8603
5	0.4117	0.5543	0.8312	1.1455	1.6103	9.2364	11.0705	12.8325	15.0863	16.7496
6	0.6757	0.8721	1.2373	1.6354	2.2041	10.6446	12.5916	14.4494	16.8119	18.5476
7	0.9893	1.2390	1.6899	2.1674	2.8331	12.0170	14.0671	16.0128	18.4753	20.2777
8	1.3444	1.6465	2.1797	2.7326	3.4895	13.3616	15.5073	17.5345	20.0902	21.9550
9	1.7349	2.0879	2.7004	3.3251	4.1682	14.6837	16.9190	19.0228	21.6660	23.5894
10	2.1559	2.5582	3.2470	3.9403	4.8652	15.9872	18.3070	20.4832	23.2092	25.1882
11	2.6032	3.0535	3.8157	4.5748	5.5778	17.2750	19.6751	21.9201	24.7250	26.7568
12	3.0738	3.5706	4.4038	5.2260	6.3038	18.5493	21.0261	23.3367	26.2170	28.2995
13	3.5650	4.1069	5.0088	5.8919	7.0415	19.8119	22.3620	24.7356	27.6883	29.8195
14	4.0747	4.6604	5.6287	6.5706	7.7895	21.0641	23.6848	26.1190	29.1412	31.3193
15	4.6009	5.2293	6.2621	7.2609	8.5468	22.3071	24.9958	27.4884	30.5779	32.8014
16	5.1422	5.8122	6.9077	7.9616	9.3122	23.5418	26.2962	28.8454	31.9999	34.2672
17	5.6972	6.4078	7.5642	8.6718	10.0852	24.7690	27.5871	30.1910	33.4087	35.7185
18	6.2648	7.0149	8.2307	9.3905	10.8649	25.9894	28.8693	31.5264	34.8053	37.1564
19	6.8440	7.6327	8.9065	10.1170	11.6509	27.2036	30.1435	32.8523	36.1909	38.5823
20	7.4338	8.2604	9.5908	10.8508	12.4426	28.4120	31.4104	34.1696	37.5662	39.9968
21	8.0337	8.8972	10.2829	11.5913	13.2396	29.6151	32.6706	35.4789	38.9322	41.4011
22	8.6427	9.5425	10.9823	12.3380	14.0415	30.8133	33.9244	36.7807	40.2894	42.7957
23	9.2604	10.1957	11.6886	13.0905	14.8480	32.0069	35.1725	38.0756	41.6384	44.1813
24	9.8862	10.8564	12.4012	13.8484	15.6587	33.1962	36.4150	39.3641	42.9798	45.5585
25	10.5197	11.5240	13.1197	14.6114	16.4734	34.3816	37.6525	40.6465	44.3141	46.9279
26	11.1602	12.1981	13.8439	15.3792	17.2919	35.5632	38.8851	41.9232	45.6417	48.2899
27	11.8076	12.8785	14.5734	16.1514	18.1139	36.7412	40.1133	43.1945	46.9629	49.6449
28	12.4613	13.5647	15.3079	16.9279	18.9392	37.9159	41.3371	44.4608	48.2782	50.9934
29	13.1212	14.2565	16.0471	17.7084	19.7677	39.0875	42.5570	45.7223	49.5879	52.3356
30	13.7867	14.9535	16.7908	18.4927	20.5992	40.2560	43.7730	46.9792	50.8922	53.6720
40	20.7065	22.1643	24.4330	26.5093	29.0505	51.8050	55.7585	59.3417	63.6907	66.7660
50	27.9907	29.7067	32.3574	34.7643	37.6886	63.1671	67.5048	71.4202	76.1539	79.4900
60	35.5345	37.4849	40.4818	43.1880	46.4589	74.3970	79.0819	83.2977	88.3794	91.9517
70	43.2752	45.4417	48.7576	51.7393	55.3289	85.5270	90.5312	95.0232	100.425	104.215
80	51.1719	53.5401	57.1532	60.3915	64.2778	96.5782	101.880	106.629	112.329	116.321
90	59.1963	61.7541	65.6466	69.1260	73.2911	107.565	113.145	118.136	124.116	128.299
100	67.3276	70.0649	74.2220	77.9295	82.3582	118.498	124.342	129.561	135.807	140.170
200	152.2411	156.4320	162.7281	168.2787	174.835	226.021	233.994	241.058	249.445	255.264
500	422.3037	429.3879	439.9364	449.1472	459.927	540.930	553.126	563.851	576.492	585.206
1000	888.5652	898.9142	914.2593	927.5967	943.135	1057.72	1074.68	1089.53	1106.97	1118.95

Tab. D: Quantile $F_{m,n;\alpha}$ der $F_{m,n}$ -Verteilungen													
α		0.90	0.95	0.975	0.99	0.995	α		0.90	0.95	0.975	0.99	0.995
m	n						m	n					
1	1	39.86	161.4	647.8	4052.	16211	3	1	53.59	215.7	864.2	5403.	21615
1	2	8.526	18.51	38.51	98.50	198.5	3	2	9.162	19.16	39.17	99.17	199.2
1	3	5.538	10.13	17.44	34.12	55.55	3	3	5.391	9.277	15.44	29.46	47.47
1	4	4.545	7.709	12.22	21.20	31.33	3	4	4.191	6.591	9.979	16.69	24.26
1	5	4.060	6.608	10.01	16.26	22.79	3	5	3.619	5.409	7.764	12.06	16.53
1	6	3.776	5.987	8.813	13.75	18.64	3	6	3.289	4.757	6.599	9.780	12.92
1	7	3.589	5.591	8.073	12.25	16.24	3	7	3.074	4.347	5.890	8.451	10.88
1	8	3.458	5.318	7.571	11.26	14.69	3	8	2.924	4.066	5.416	7.591	9.596
1	9	3.360	5.117	7.209	10.56	13.61	3	9	2.813	3.863	5.078	6.992	8.717
1	10	3.285	4.965	6.937	10.04	12.83	3	10	2.728	3.708	4.826	6.552	8.081
1	15	3.073	4.543	6.200	8.683	10.80	3	15	2.490	3.287	4.153	5.417	6.476
1	20	2.975	4.351	5.871	8.096	9.944	3	20	2.380	3.098	3.859	4.938	5.818
1	30	2.881	4.171	5.568	7.562	9.180	3	30	2.276	2.922	3.589	4.510	5.239
1	40	2.835	4.085	5.424	7.314	8.828	3	40	2.226	2.839	3.463	4.313	4.976
1	50	2.809	4.034	5.340	7.171	8.626	3	50	2.197	2.790	3.390	4.199	4.826
1	100	2.756	3.936	5.179	6.895	8.241	3	100	2.139	2.696	3.250	3.984	4.542
1	200	2.731	3.888	5.100	6.763	8.057	3	200	2.111	2.650	3.182	3.881	4.408
1	300	2.722	3.873	5.075	6.720	7.997	3	300	2.102	2.635	3.160	3.848	4.365
1	500	2.716	3.860	5.054	6.686	7.950	3	500	2.095	2.623	3.142	3.821	4.330
1	∞	2.706	3.841	5.024	6.635	7.879	3	∞	2.084	2.605	3.116	3.782	4.279
2	1	49.50	199.5	799.5	5000.	20000	4	1	55.83	224.6	899.6	5625.	22500
2	2	9.000	19.00	39.00	99.00	199.0	4	2	9.243	19.25	39.25	99.25	199.3
2	3	5.462	9.552	16.04	30.82	49.80	4	3	5.343	9.117	15.10	28.71	46.20
2	4	4.325	6.944	10.65	18.00	26.28	4	4	4.107	6.388	9.605	15.98	23.16
2	5	3.780	5.786	8.434	13.27	18.31	4	5	3.520	5.192	7.388	11.39	15.56
2	6	3.463	5.143	7.260	10.93	14.54	4	6	3.181	4.534	6.227	9.148	12.03
2	7	3.257	4.737	6.542	9.547	12.40	4	7	2.961	4.120	5.523	7.847	10.05
2	8	3.113	4.459	6.059	8.649	11.04	4	8	2.806	3.838	5.053	7.006	8.805
2	9	3.006	4.256	5.715	8.022	10.11	4	9	2.693	3.633	4.718	6.422	7.956
2	10	2.924	4.103	5.456	7.559	9.427	4	10	2.605	3.478	4.468	5.994	7.343
2	15	2.695	3.682	4.765	6.359	7.701	4	15	2.361	3.056	3.804	4.893	5.803
2	20	2.589	3.493	4.461	5.849	6.986	4	20	2.249	2.866	3.515	4.431	5.174
2	30	2.489	3.316	4.182	5.390	6.355	4	30	2.142	2.690	3.250	4.018	4.623
2	40	2.440	3.232	4.051	5.179	6.066	4	40	2.091	2.606	3.126	3.828	4.374
2	50	2.412	3.183	3.975	5.057	5.902	4	50	2.061	2.557	3.054	3.720	4.232
2	100	2.356	3.087	3.828	4.824	5.589	4	100	2.002	2.463	2.917	3.513	3.963
2	200	2.329	3.041	3.758	4.713	5.441	4	200	1.973	2.417	2.850	3.414	3.837
2	300	2.320	3.026	3.735	4.677	5.393	4	300	1.964	2.402	2.829	3.382	3.796
2	500	2.313	3.014	3.716	4.648	5.355	4	500	1.956	2.390	2.811	3.357	3.763
2	∞	2.303	2.996	3.689	4.605	5.298	4	∞	1.945	2.372	2.786	3.319	3.715

Für $\alpha \leq 0.10$ benutze man die Beziehung $F_{m,n;\alpha} = 1/F_{n,m;1-\alpha}$

Tab. D: Quantile $F_{m,n;\alpha}$ der $F_{m,n}$ -Verteilungen													
α		0.90	0.95	0.975	0.99	0.995	α		0.90	0.95	0.975	0.99	0.995
m	n						m	n					
5	1	57.24	230.2	921.8	5764.	23056	7	1	58.91	236.8	948.2	5928.	23715
5	2	9.293	19.30	39.30	99.30	199.3	7	2	9.349	19.35	39.36	99.36	199.4
5	3	5.309	9.013	14.89	28.24	45.39	7	3	5.266	8.887	14.62	27.67	44.43
5	4	4.051	6.256	9.364	15.52	22.46	7	4	3.979	6.094	9.074	14.98	21.62
5	5	3.453	5.050	7.146	10.97	14.94	7	5	3.368	4.876	6.853	10.46	14.20
5	6	3.108	4.387	5.988	8.746	11.46	7	6	3.014	4.207	5.695	8.260	10.79
5	7	2.883	3.972	5.285	7.460	9.522	7	7	2.785	3.787	4.995	6.993	8.885
5	8	2.726	3.687	4.817	6.632	8.302	7	8	2.624	3.500	4.529	6.178	7.694
5	9	2.611	3.482	4.484	6.057	7.471	7	9	2.505	3.293	4.197	5.613	6.885
5	10	2.522	3.326	4.236	5.636	6.872	7	10	2.414	3.135	3.950	5.200	6.302
5	15	2.273	2.901	3.576	4.556	5.372	7	15	2.158	2.707	3.293	4.142	4.847
5	20	2.158	2.711	3.289	4.103	4.762	7	20	2.040	2.514	3.007	3.699	4.257
5	30	2.049	2.534	3.026	3.699	4.228	7	30	1.927	2.334	2.746	3.304	3.742
5	40	1.997	2.449	2.904	3.514	3.986	7	40	1.873	2.249	2.624	3.124	3.509
5	50	1.966	2.400	2.833	3.408	3.849	7	50	1.840	2.199	2.553	3.020	3.376
5	100	1.906	2.305	2.696	3.206	3.589	7	100	1.778	2.103	2.417	2.823	3.127
5	200	1.876	2.259	2.630	3.110	3.467	7	200	1.747	2.056	2.351	2.730	3.010
5	300	1.867	2.244	2.609	3.079	3.428	7	300	1.737	2.040	2.330	2.699	2.972
5	500	1.859	2.232	2.592	3.054	3.396	7	500	1.729	2.028	2.313	2.675	2.941
5	∞	1.847	2.214	2.567	3.017	3.350	7	∞	1.717	2.010	2.288	2.639	2.897
6	1	58.20	234.0	937.1	5859.	23437	8	1	59.44	238.9	956.7	5981.	23925
6	2	9.326	19.33	39.33	99.33	199.3	8	2	9.367	19.37	39.37	99.37	199.4
6	3	5.285	8.941	14.74	27.91	44.84	8	3	5.252	8.845	14.54	27.49	44.13
6	4	4.010	6.163	9.197	15.21	21.98	8	4	3.955	6.041	8.980	14.80	21.35
6	5	3.405	4.950	6.978	10.67	14.51	8	5	3.339	4.818	6.757	10.29	13.96
6	6	3.055	4.284	5.820	8.466	11.07	8	6	2.983	4.147	5.600	8.102	10.57
6	7	2.827	3.866	5.119	7.191	9.155	8	7	2.752	3.726	4.899	6.840	8.678
6	8	2.668	3.581	4.652	6.371	7.952	8	8	2.589	3.438	4.433	6.029	7.496
6	9	2.551	3.374	4.320	5.802	7.134	8	9	2.469	3.230	4.102	5.467	6.693
6	10	2.461	3.217	4.072	5.386	6.545	8	10	2.377	3.072	3.855	5.057	6.116
6	15	2.208	2.790	3.415	4.318	5.071	8	15	2.119	2.641	3.199	4.004	4.674
6	20	2.091	2.599	3.128	3.871	4.472	8	20	1.999	2.447	2.913	3.564	4.090
6	30	1.980	2.421	2.867	3.473	3.949	8	30	1.884	2.266	2.651	3.173	3.580
6	40	1.927	2.336	2.744	3.291	3.713	8	40	1.829	2.180	2.529	2.993	3.350
6	50	1.895	2.286	2.674	3.186	3.579	8	50	1.796	2.130	2.458	2.890	3.219
6	100	1.834	2.191	2.537	2.988	3.325	8	100	1.732	2.032	2.321	2.694	2.972
6	200	1.804	2.144	2.472	2.893	3.206	8	200	1.701	1.985	2.256	2.601	2.856
6	300	1.794	2.129	2.451	2.862	3.167	8	300	1.691	1.969	2.234	2.571	2.818
6	500	1.786	2.117	2.434	2.838	3.137	8	500	1.683	1.957	2.217	2.547	2.788
6	∞	1.774	2.099	2.408	2.802	3.091	8	∞	1.670	1.938	2.192	2.511	2.744

Für $\alpha \leq 0.10$ benutze man die Beziehung $F_{m,n;\alpha} = 1/F_{n,m;1-\alpha}$

Tab. D: Quantile $F_{m,n;\alpha}$ der $F_{m,n}$ -Verteilungen													
α		0.90	0.95	0.975	0.99	0.995	α		0.90	0.95	0.975	0.99	0.995
m	n						m	n					
9	1	59.86	240.5	963.3	6022.	24091	15	1	61.22	246.0	984.9	6157.	24630
9	2	9.381	19.39	39.39	99.39	199.4	15	2	9.425	19.43	39.43	99.43	199.4
9	3	5.240	8.812	14.47	27.35	43.88	15	3	5.200	8.703	14.25	26.87	43.09
9	4	3.936	5.999	8.905	14.66	21.14	15	4	3.870	5.858	8.657	14.20	20.44
9	5	3.316	4.772	6.681	10.16	13.77	15	5	3.238	4.619	6.428	9.722	13.15
9	6	2.958	4.099	5.523	7.976	10.39	15	6	2.871	3.938	5.269	7.559	9.814
9	7	2.725	3.677	4.823	6.719	8.514	15	7	2.632	3.511	4.568	6.314	7.968
9	8	2.561	3.388	4.357	5.911	7.339	15	8	2.464	3.218	4.101	5.515	6.814
9	9	2.440	3.179	4.026	5.351	6.541	15	9	2.340	3.006	3.769	4.962	6.032
9	10	2.347	3.020	3.779	4.942	5.968	15	10	2.244	2.845	3.522	4.558	5.471
9	15	2.086	2.588	3.123	3.895	4.536	15	15	1.972	2.403	2.862	3.522	4.070
9	20	1.965	2.393	2.837	3.457	3.956	15	20	1.845	2.203	2.573	3.088	3.502
9	30	1.849	2.211	2.575	3.067	3.450	15	30	1.722	2.015	2.307	2.700	3.006
9	40	1.793	2.124	2.452	2.888	3.222	15	40	1.662	1.924	2.182	2.522	2.781
9	50	1.760	2.073	2.381	2.785	3.092	15	50	1.627	1.871	2.109	2.419	2.653
9	100	1.695	1.975	2.244	2.590	2.847	15	100	1.557	1.768	1.968	2.223	2.411
9	200	1.663	1.927	2.178	2.497	2.732	15	200	1.522	1.717	1.900	2.129	2.297
9	300	1.652	1.911	2.156	2.467	2.694	15	300	1.510	1.700	1.877	2.099	2.260
9	500	1.644	1.899	2.139	2.443	2.665	15	500	1.501	1.686	1.859	2.075	2.230
9	∞	1.632	1.880	2.114	2.407	2.621	15	∞	1.487	1.666	1.833	2.039	2.187
10	1	60.20	241.9	968.6	6056.	24224	20	1	61.74	248.0	993.1	6209.	24836
10	2	9.392	19.40	39.40	99.40	199.4	20	2	9.441	19.45	39.45	99.45	199.5
10	3	5.230	8.786	14.42	27.23	43.69	20	3	5.184	8.660	14.17	26.69	42.78
10	4	3.920	5.964	8.844	14.55	20.97	20	4	3.844	5.803	8.560	14.02	20.17
10	5	3.297	4.735	6.619	10.05	13.62	20	5	3.207	4.558	6.329	9.553	12.90
10	6	2.937	4.060	5.461	7.874	10.25	20	6	2.836	3.874	5.168	7.396	9.589
10	7	2.703	3.637	4.761	6.620	8.380	20	7	2.595	3.445	4.467	6.155	7.754
10	8	2.538	3.347	4.295	5.814	7.211	20	8	2.425	3.150	3.999	5.359	6.608
10	9	2.416	3.137	3.964	5.257	6.417	20	9	2.298	2.936	3.667	4.808	5.832
10	10	2.323	2.978	3.717	4.849	5.847	20	10	2.201	2.774	3.419	4.405	5.274
10	15	2.059	2.544	3.060	3.805	4.424	20	15	1.924	2.328	2.756	3.372	3.883
10	20	1.937	2.348	2.774	3.368	3.847	20	20	1.794	2.124	2.464	2.938	3.318
10	30	1.819	2.165	2.511	2.979	3.344	20	30	1.667	1.932	2.195	2.549	2.823
10	40	1.763	2.077	2.388	2.801	3.117	20	40	1.605	1.839	2.068	2.369	2.598
10	50	1.729	2.026	2.317	2.698	2.988	20	50	1.568	1.784	1.993	2.265	2.470
10	100	1.663	1.927	2.179	2.503	2.744	20	100	1.494	1.676	1.849	2.067	2.227
10	200	1.631	1.878	2.113	2.411	2.629	20	200	1.458	1.623	1.778	1.971	2.112
10	300	1.620	1.862	2.091	2.380	2.592	20	300	1.445	1.606	1.755	1.940	2.074
10	500	1.612	1.850	2.074	2.356	2.562	20	500	1.435	1.592	1.736	1.915	2.044
10	∞	1.599	1.831	2.048	2.321	2.519	20	∞	1.421	1.571	1.708	1.878	2.000

Für $\alpha \leq 0.10$ benutze man die Beziehung $F_{m,n;\alpha} = 1/F_{n,m;1-\alpha}$

Tab. D: Quantile $F_{m,n;\alpha}$ der $F_{m,n}$ -Verteilungen													
α		0.90	0.95	0.975	0.99	0.995	α		0.90	0.95	0.975	0.99	0.995
m	n						m	n					
30	1	62.27	250.1	1001.	6261.	25044	50	1	62.69	251.8	1008.	6303.	25211
30	2	9.458	19.46	39.47	99.47	199.5	50	2	9.471	19.48	39.48	99.48	199.5
30	3	5.168	8.617	14.08	26.51	42.47	50	3	5.155	8.581	14.01	26.35	42.21
30	4	3.817	5.746	8.461	13.84	19.89	50	4	3.795	5.699	8.381	13.69	19.67
30	5	3.174	4.496	6.227	9.379	12.66	50	5	3.147	4.444	6.144	9.238	12.45
30	6	2.800	3.808	5.065	7.229	9.358	50	6	2.770	3.754	4.980	7.091	9.170
30	7	2.555	3.376	4.362	5.992	7.534	50	7	2.523	3.319	4.276	5.858	7.354
30	8	2.383	3.079	3.894	5.198	6.396	50	8	2.348	3.020	3.807	5.065	6.222
30	9	2.255	2.864	3.560	4.649	5.625	50	9	2.218	2.803	3.472	4.517	5.454
30	10	2.155	2.700	3.311	4.247	5.071	50	10	2.117	2.637	3.221	4.115	4.902
30	15	1.873	2.247	2.644	3.214	3.687	50	15	1.828	2.178	2.549	3.081	3.523
30	20	1.738	2.039	2.349	2.778	3.123	50	20	1.690	1.966	2.249	2.643	2.959
30	30	1.606	1.841	2.074	2.386	2.628	50	30	1.552	1.761	1.968	2.245	2.459
30	40	1.541	1.744	1.943	2.203	2.401	50	40	1.483	1.660	1.832	2.058	2.230
30	50	1.502	1.687	1.866	2.098	2.272	50	50	1.441	1.599	1.752	1.949	2.097
30	100	1.423	1.573	1.715	1.893	2.024	50	100	1.355	1.477	1.592	1.735	1.840
30	200	1.383	1.516	1.640	1.794	1.905	50	200	1.310	1.415	1.511	1.629	1.715
30	300	1.369	1.497	1.616	1.761	1.866	50	300	1.295	1.393	1.484	1.594	1.673
30	500	1.358	1.482	1.596	1.735	1.835	50	500	1.282	1.376	1.462	1.566	1.640
30	∞	1.342	1.459	1.566	1.696	1.789	50	∞	1.263	1.350	1.428	1.523	1.590
40	1	62.53	251.1	1006.	6287.	25148	100	1	63.01	253.0	1013.	6334.	25337
40	2	9.466	19.47	39.47	99.47	199.5	100	2	9.481	19.49	39.49	99.49	199.5
40	3	5.160	8.594	14.04	26.41	42.31	100	3	5.144	8.554	13.96	26.24	42.01
40	4	3.804	5.717	8.411	13.75	19.75	100	4	3.778	5.664	8.319	13.58	19.50
40	5	3.157	4.464	6.175	9.291	12.53	100	5	3.126	4.405	6.080	9.130	12.30
40	6	2.781	3.774	5.012	7.143	9.241	100	6	2.746	3.712	4.915	6.987	9.026
40	7	2.535	3.340	4.309	5.908	7.422	100	7	2.497	3.275	4.210	5.755	7.217
40	8	2.361	3.043	3.840	5.116	6.288	100	8	2.321	2.975	3.739	4.963	6.087
40	9	2.232	2.826	3.505	4.567	5.519	100	9	2.189	2.756	3.403	4.415	5.322
40	10	2.132	2.661	3.255	4.165	4.966	100	10	2.087	2.588	3.152	4.014	4.772
40	15	1.845	2.204	2.585	3.132	3.585	100	15	1.793	2.123	2.474	2.977	3.394
40	20	1.708	1.994	2.287	2.695	3.022	100	20	1.650	1.907	2.170	2.535	2.828
40	30	1.573	1.792	2.009	2.299	2.524	100	30	1.507	1.695	1.882	2.131	2.323
40	40	1.506	1.693	1.875	2.114	2.296	100	40	1.434	1.589	1.741	1.938	2.088
40	50	1.465	1.634	1.796	2.007	2.164	100	50	1.388	1.525	1.656	1.825	1.951
40	100	1.382	1.515	1.640	1.797	1.912	100	100	1.293	1.392	1.483	1.598	1.681
40	200	1.339	1.455	1.562	1.694	1.790	100	200	1.242	1.321	1.393	1.481	1.544
40	300	1.325	1.435	1.536	1.660	1.749	100	300	1.224	1.296	1.361	1.441	1.498
40	500	1.313	1.419	1.515	1.633	1.717	100	500	1.209	1.275	1.336	1.408	1.460
40	∞	1.295	1.394	1.484	1.592	1.669	100	∞	1.185	1.243	1.296	1.358	1.402

Für $\alpha \leq 0.10$ benutze man die Beziehung $F_{m,n;\alpha} = 1/F_{n,m;1-\alpha}$

Tab. D: Quantile $F_{m,n;\alpha}$ der $F_{m,n}$ -Verteilungen													
α		0.90	0.95	0.975	0.99	0.995	α		0.90	0.95	0.975	0.99	0.995
m	n						m	n					
200	1	63.17	253.7	1016.	6350.	25401	500	1	63.26	254.1	1017.	6360.	25439
200	2	9.486	19.49	39.49	99.49	199.5	500	2	9.489	19.49	39.50	99.50	199.5
200	3	5.139	8.540	13.93	26.18	41.93	500	3	5.136	8.532	13.91	26.15	41.87
200	4	3.769	5.646	8.289	13.52	19.41	500	4	3.764	5.635	8.270	13.49	19.36
200	5	3.116	4.385	6.048	9.075	12.22	500	5	3.109	4.373	6.028	9.042	12.18
200	6	2.734	3.690	4.882	6.934	8.953	500	6	2.727	3.678	4.862	6.902	8.909
200	7	2.484	3.252	4.176	5.702	7.147	500	7	2.476	3.239	4.156	5.671	7.104
200	8	2.307	2.951	3.705	4.911	6.019	500	8	2.298	2.937	3.684	4.880	5.978
200	9	2.174	2.731	3.368	4.363	5.255	500	9	2.165	2.717	3.347	4.332	5.215
200	10	2.071	2.563	3.116	3.962	4.706	500	10	2.062	2.548	3.094	3.930	4.665
200	15	1.774	2.095	2.435	2.923	3.328	500	15	1.763	2.078	2.411	2.891	3.287
200	20	1.629	1.875	2.128	2.479	2.760	500	20	1.616	1.856	2.103	2.445	2.719
200	30	1.482	1.660	1.835	2.070	2.251	500	30	1.467	1.638	1.806	2.032	2.207
200	40	1.406	1.551	1.691	1.874	2.012	500	40	1.389	1.526	1.659	1.833	1.965
200	50	1.359	1.484	1.603	1.757	1.872	500	50	1.340	1.457	1.569	1.713	1.821
200	100	1.257	1.342	1.420	1.518	1.590	500	100	1.232	1.308	1.378	1.466	1.529
200	200	1.199	1.263	1.320	1.391	1.442	500	200	1.168	1.221	1.269	1.328	1.369
200	300	1.178	1.234	1.285	1.346	1.389	500	300	1.144	1.188	1.228	1.276	1.311
200	500	1.160	1.210	1.254	1.308	1.346	500	500	1.122	1.159	1.192	1.232	1.260
200	∞	1.130	1.170	1.205	1.247	1.276	500	∞	1.082	1.106	1.128	1.153	1.170
300	1	63.22	253.9	1017.	6355.	25422	∞	1	63.33	254.3	1018.	6366.	25464
300	2	9.488	19.49	39.50	99.50	199.5	∞	2	9.491	19.50	39.50	99.50	199.5
300	3	5.137	8.536	13.92	26.16	41.89	∞	3	5.134	8.526	13.90	26.13	41.83
300	4	3.767	5.640	8.278	13.50	19.38	∞	4	3.761	5.628	8.257	13.46	19.32
300	5	3.112	4.378	6.037	9.057	12.20	∞	5	3.105	4.365	6.015	9.020	12.14
300	6	2.730	3.683	4.871	6.916	8.928	∞	6	2.722	3.669	4.849	6.880	8.879
300	7	2.480	3.245	4.165	5.685	7.123	∞	7	2.471	3.230	4.142	5.650	7.076
300	8	2.302	2.943	3.693	4.894	5.997	∞	8	2.293	2.928	3.670	4.859	5.951
300	9	2.169	2.723	3.357	4.346	5.233	∞	9	2.159	2.707	3.333	4.311	5.188
300	10	2.066	2.555	3.104	3.944	4.684	∞	10	2.055	2.538	3.080	3.909	4.639
300	15	1.768	2.085	2.422	2.905	3.306	∞	15	1.755	2.066	2.395	2.868	3.260
300	20	1.622	1.865	2.114	2.460	2.737	∞	20	1.607	1.843	2.085	2.421	2.690
300	30	1.474	1.647	1.819	2.049	2.227	∞	30	1.456	1.622	1.787	2.006	2.176
300	40	1.397	1.537	1.673	1.851	1.986	∞	40	1.377	1.509	1.637	1.805	1.932
300	50	1.349	1.469	1.584	1.733	1.844	∞	50	1.327	1.438	1.545	1.683	1.786
300	100	1.244	1.323	1.397	1.490	1.557	∞	100	1.214	1.283	1.347	1.427	1.485
300	200	1.183	1.240	1.293	1.357	1.403	∞	200	1.144	1.189	1.229	1.279	1.314
300	300	1.160	1.210	1.255	1.309	1.347	∞	300	1.115	1.150	1.182	1.220	1.247
300	500	1.140	1.183	1.222	1.268	1.301	∞	500	1.087	1.113	1.137	1.164	1.184
300	∞	1.106	1.138	1.166	1.200	1.223	∞	∞	1.000	1.000	1.000	1.000	1.000

Für $\alpha \leq 0.10$ benutze man die Beziehung $F_{m,n;\alpha} = 1/F_{n,m;1-\alpha}$

Tab. E: Quantile w_α der Wilcoxon Statistik beim Einstichproben-Problem										
α	0.001	0.005	0.01	0.025	0.05	0.10	0.20	0.30	0.40	$\frac{n(n+1)}{2}$
n										
3	0	0	0	0	0	0	0	1	2	6
4	0	0	0	0	0	0	2	2	3	10
5	0	0	0	0	0	2	3	4	5	15
6	0	0	0	0	2	3	5	7	8	21
7	0	0	0	2	3	5	8	10	11	28
8	0	0	1	3	5	8	11	13	15	36
9	0	1	3	5	8	10	14	17	19	45
10	0	3	5	8	10	14	18	21	24	55
11	1	5	7	10	13	17	22	26	29	66
12	2	7	9	13	17	21	27	31	35	78
13	4	9	12	17	21	26	32	37	41	91
14	6	12	15	21	25	31	38	43	47	105
15	8	15	19	25	30	36	44	50	54	120
16	11	19	23	29	35	42	50	57	62	136
17	14	23	27	34	41	48	57	64	70	153
18	18	27	32	40	47	55	65	72	79	171
19	21	32	37	46	53	62	73	81	88	190
20	26	37	43	52	60	69	81	90	97	210

$\alpha \leq 0.4: P(W^+ \leq w_\alpha) \leq \alpha < P(W^+ \leq w_\alpha + 1)$

Für $\alpha \geq 0.6$ verwende man $w_\alpha = \frac{n(n+1)}{2} - w_{1-\alpha}$

$\alpha \geq 0.6: P(W^+ \geq w_\alpha) \leq 1 - \alpha < P(W^+ \geq w_\alpha - 1)$

Tab. F: Quantile w_α der Wilcoxon Statistik														
beim Zweistichproben-Problem														
α	0.001	0.005	0.01	0.025	0.05	0.1	2μ	0.001	0.005	0.01	0.025	0.05	0.1	2μ
n	$m = 3$						$m = 4$						n	
3					6	7	21							
4					6	7	24				10	11	13	36
5				6	7	8	27			10	11	12	14	40
6				7	8	9	30		10	11	12	13	15	44
7			6	7	8	10	33		10	11	13	14	16	48
8			6	8	9	11	36		11	12	14	15	17	52
9		6	7	8	10	11	39		11	13	14	16	19	56
10		6	7	9	10	12	42	10	12	13	15	17	20	60
11		6	7	9	11	13	45	10	12	14	16	18	21	64
12		7	8	10	11	14	48	10	13	15	17	19	22	68
13		7	8	10	12	15	51	11	13	15	18	20	23	72
14		7	8	10	13	16	54	11	14	16	19	21	25	76
15		8	9	11	13	16	57	11	15	17	20	22	26	80
16		8	9	12	14	17	60	12	15	17	21	24	27	84
17	6	8	10	12	15	18	63	12	16	18	21	25	28	88
18	6	8	10	13	15	19	66	13	16	19	22	26	30	92
19	6	9	10	13	16	20	69	13	17	19	23	27	31	96
20	6	9	11	14	17	21	72	13	18	20	24	28	32	100
21	7	9	11	14	17	21	75	14	18	21	25	29	33	104
22	7	10	12	15	18	22	78	14	19	21	26	30	35	108
23	7	10	12	15	19	23	81	14	19	22	27	31	36	112
24	7	10	12	16	19	24	84	15	20	23	27	32	38	116
25	7	11	13	16	20	25	87	15	20	23	28	33	38	120
n	$m = 5$						$m = 6$						n	
5		15	16	17	19	20	55							
6		16	17	18	20	22	60		23	24	26	28	30	78
7		16	18	20	21	23	65	21	24	25	27	29	32	84
8	15	17	19	21	23	25	70	22	25	27	29	31	34	90
9	16	18	20	22	24	27	75	23	26	28	31	33	36	96
10	16	19	21	23	26	28	80	24	27	29	32	35	38	102
11	17	20	22	24	27	30	85	25	28	30	34	37	40	108
12	17	21	23	26	28	32	90	25	30	32	35	38	42	114
13	18	22	24	27	30	33	95	26	31	33	37	40	44	120
14	18	22	25	28	31	35	100	27	32	34	38	42	46	126
15	19	23	26	29	33	37	105	28	33	36	40	44	48	132
16	20	24	27	30	34	38	110	29	34	37	42	46	50	138
17	20	25	28	32	35	40	115	30	36	39	43	47	52	144
18	21	26	29	33	37	42	120	31	37	40	45	49	55	150
19	22	27	30	34	38	43	125	32	38	41	46	51	57	156
20	22	28	31	35	40	45	130	33	39	43	48	53	59	162
21	23	29	32	37	41	47	135	33	40	44	50	55	61	168
22	23	29	33	38	43	48	140	34	42	45	51	57	63	174
23	24	30	34	39	44	50	145	35	43	47	53	58	65	180
24	25	31	35	40	45	51	150	36	44	48	54	60	67	186
25	25	32	36	42	47	53	155	37	45	50	56	62	69	192
$\alpha \leq 0.1: P(W^+ \leq w_\alpha) \leq \alpha < P(W^+ \leq w_\alpha + 1)$ Für $\alpha \geq 0.9$ verwende man $w_\alpha = 2\mu - w_{1-\alpha}$ $\alpha \geq 0.9: P(W^+ \geq w_\alpha) \leq 1 - \alpha < P(W^+ \geq w_\alpha - 1)$														

Tab. F: Quantile w_α der Wilcoxon Statistik															
beim Zweistichproben-Problem															
α	0.001	0.005	0.01	0.025	0.05	0.1	2μ	0.001	0.005	0.01	0.025	0.05	0.1	2μ	
n	$m = 7$							$m = 8$							n
7	29	32	34	36	39	41	105								
8	30	34	35	38	41	44	112	40	43	45	49	51	55	136	
9	31	35	37	40	43	46	119	41	45	47	51	54	58	144	
10	33	37	39	42	45	49	126	42	47	49	53	56	60	152	
11	34	38	40	44	47	51	133	44	49	51	55	59	63	160	
12	35	40	42	46	49	54	140	45	51	53	58	62	66	168	
13	36	41	44	48	52	56	147	47	53	56	60	64	69	176	
14	37	43	45	50	54	59	154	48	54	58	62	67	72	184	
15	38	44	47	52	56	61	161	50	56	60	65	69	70	192	
16	39	46	49	54	58	60	168	51	58	62	67	72	78	200	
17	41	47	51	56	61	66	175	53	60	64	70	75	81	208	
18	42	49	52	58	63	69	182	54	62	66	72	77	84	216	
19	43	50	54	60	65	71	189	56	64	68	74	80	87	224	
20	44	52	56	62	67	74	196	57	66	70	77	83	90	232	
21	46	53	58	64	69	76	203	59	68	72	79	85	92	240	
22	47	55	59	66	72	79	210	60	70	74	81	88	95	248	
23	47	57	61	68	74	81	217	62	71	76	84	90	98	256	
24	49	58	63	70	76	84	224	64	73	78	86	93	101	264	
25	50	60	64	72	78	86	231	65	75	81	89	96	104	272	
n	$m = 9$							$m = 10$							n
9	52	56	59	62	66	70	171								
10	53	58	61	65	69	73	180	65	71	74	78	82	85	210	
11	55	61	63	68	72	76	189	67	73	77	81	86	91	220	
12	57	63	66	71	75	80	198	69	76	79	84	89	94	230	
13	59	65	68	73	78	83	207	72	79	82	88	92	98	240	
14	60	67	71	76	81	86	216	74	81	85	91	96	102	250	
15	62	69	73	79	84	90	225	76	84	88	94	99	106	260	
16	64	72	76	82	87	93	234	78	86	91	97	103	109	270	
17	66	74	78	84	90	97	243	80	89	93	100	106	113	280	
18	68	76	81	87	93	100	252	82	92	96	103	110	117	290	
19	70	78	83	90	96	103	261	84	94	99	107	113	121	300	
20	71	81	85	93	99	107	270	87	97	102	110	117	125	310	
21	73	83	88	95	102	110	279	89	99	105	113	120	128	320	
22	75	85	90	98	105	113	288	91	102	108	116	123	132	330	
23	77	88	93	101	108	117	297	93	105	110	119	127	136	340	
24	79	90	95	104	111	120	306	95	107	113	122	130	140	350	
25	81	92	98	107	114	123	315	98	110	116	126	134	144	360	

$\alpha \leq 0.1: P(W^+ \leq w_\alpha) \leq \alpha < P(W^+ \leq w_\alpha + 1)$

Für $\alpha \geq 0.9$ verwende man $w_\alpha = 2\mu - w_{1-\alpha}$

$\alpha \geq 0.9: P(W^+ \geq w_\alpha) \leq 1 - \alpha < P(W^+ \geq w_\alpha - 1)$

Tab. F: Quantile w_α der Wilcoxon Statistik															
beim Zweistichproben-Problem															
α	0.001	0.005	0.01	0.025	0.05	0.1	2μ	0.001	0.005	0.01	0.025	0.05	0.1	2μ	
n	$m = 11$							$m = 12$							n
11	81	87	91	96	100	106	253								
12	83	90	94	99	104	110	264	98	105	109	115	120	127	300	
13	86	93	97	103	108	114	275	101	109	113	119	125	131	312	
14	88	96	100	106	112	118	286	103	112	116	123	129	136	324	
15	90	99	103	110	116	123	297	106	115	120	127	133	141	336	
16	93	102	107	113	120	127	308	109	119	124	131	138	145	348	
17	95	105	110	117	123	131	319	112	122	127	135	142	150	360	
18	98	108	113	121	127	135	330	115	125	131	139	146	155	372	
19	100	111	116	124	131	139	341	118	129	134	143	150	159	384	
20	103	114	119	128	135	144	352	120	132	138	147	155	164	396	
21	106	117	123	131	139	148	363	123	136	142	151	159	169	408	
22	108	120	126	135	143	152	374	126	139	145	155	163	173	420	
23	111	123	129	139	147	156	385	129	142	149	159	168	178	432	
24	113	126	132	142	151	161	396	132	146	153	163	172	183	444	
25	116	129	136	146	155	165	407	135	149	156	167	176	187	456	
n	$m = 13$							$m=14$							n
13	117	125	130	136	142	149	351								
14	120	129	134	141	147	154	364	137	147	152	160	166	174	408	
15	123	133	138	145	152	159	377	141	151	156	164	171	179	420	
16	126	136	142	150	156	165	390	144	155	161	169	176	185	434	
17	129	140	146	154	161	170	403	148	159	165	174	182	190	448	
18	133	144	150	158	166	175	416	151	163	170	179	187	196	462	
19	136	148	154	163	171	180	429	155	168	174	183	192	202	476	
20	139	151	158	167	175	185	442	159	172	178	188	197	207	490	
21	142	155	162	171	180	190	455	162	176	183	193	202	213	504	
22	145	159	166	176	185	195	468	166	180	187	197	207	218	518	
23	149	163	170	180	189	200	481	169	184	192	203	212	224	532	
24	152	166	174	185	194	205	494	173	188	196	207	218	229	546	
25	155	170	178	189	199	211	507	177	192	200	212	223	235	560	
n	$m = 15$							$m = 16$							n
15	160	171	176	184	192	200	465								
16	163	175	181	190	197	206	480	184	196	202	211	219	229	528	
17	167	180	186	195	203	212	495	188	201	207	217	225	235	544	
18	181	184	190	200	208	218	510	192	206	212	222	231	242	560	
19	175	189	195	205	214	224	525	196	210	218	228	237	248	578	
20	179	193	200	210	220	230	540	201	215	223	234	243	255	592	
21	183	198	205	216	225	236	555	205	220	228	239	249	261	608	
22	187	202	210	221	231	242	570	209	225	233	245	255	267	624	
23	191	207	214	226	236	248	585	214	230	238	251	261	274	640	
24	195	211	219	231	242	254	600	218	235	244	256	267	280	656	
25	199	216	224	237	248	260	615	222	240	249	262	273	287	672	
$\alpha \leq 0.1: P(W^+ \leq w_\alpha) \leq \alpha < P(W^+ \leq w_\alpha + 1)$ Für $\alpha \geq 0.9$ verwende man $w_\alpha = 2\mu - w_{1-\alpha}$ $\alpha \geq 0.9: P(W^+ \geq w_\alpha) \leq 1 - \alpha < P(W^+ \geq w_\alpha - 1)$															

Tab. F: Quantile w_α der Wilcoxon Statistik															
beim Zweistichproben-Problem															
α	0.001	0.005	0.01	0.025	0.05	0.1	2μ	0.001	0.005	0.01	0.025	0.05	0.1	2μ	
n	$m = 17$							$m = 18$							n
17	210	223	230	240	249	259	595								
18	214	228	235	246	255	266	612	237	252	259	270	280	291	266	18
19	219	234	241	252	262	273	629	242	258	265	277	287	299	684	19
20	223	239	246	258	268	280	646	247	263	271	283	294	306	702	20
21	228	244	252	264	274	287	663	252	269	277	290	301	313	720	21
22	233	249	258	270	281	294	680	257	275	283	296	307	321	738	22
23	238	255	263	276	287	300	697	262	280	289	303	314	328	756	23
24	242	260	269	282	294	307	714	267	286	295	309	321	335	774	24
25	247	265	275	288	300	314	731	273	292	301	316	328	343	792	25
n	$m = 19$							$m = 20$							n
19	267	283	291	303	313	325	741								
20	272	289	297	309	320	333	760	298	315	324	337	348	361	820	20
21	277	295	303	316	328	341	779	304	322	331	344	356	370	840	21
22	283	301	310	323	335	349	798	309	328	337	351	364	378	860	22
23	288	307	316	330	342	357	817	315	335	344	359	371	386	880	23
24	294	313	323	337	350	364	836	321	341	351	366	379	394	900	24
25	299	319	329	344	357	372	855	327	348	358	373	387	403	920	25
n	$m=21$							$m=22$							n
21	331	349	359	373	385	399	903								
22	337	356	366	381	393	408	924	365	386	396	411	424	439	990	22
23	343	363	373	388	401	417	945	372	393	403	419	432	448	1012	23
24	349	370	381	396	410	425	966	379	400	411	427	441	457	1034	24
25	356	377	388	404	418	434	987	385	408	419	435	450	467	1056	25
n	$m = 23$							$m = 24$							n
23	402	424	434	451	465	481	1081								
24	409	431	443	459	474	491	1104	440	464	475	492	507	525	1176	24
25	416	439	451	468	483	500	1127	448	472	487	501	517	535	1200	25
n	$m=25$							$m=30$							n
25	480	505	517	536	552	570	1275								
30	520	548	562	583	602	623	1400	709	741	758	782	803	827	1830	30
$\alpha \leq 0.1: P(W^+ \leq w_\alpha) \leq \alpha < P(W^+ \leq w_\alpha + 1)$ Für $\alpha \geq 0.9$ verwende man $w_\alpha = 2\mu - w_{1-\alpha}$ $\alpha \geq 0.9: P(W^+ \geq w_\alpha) \leq 1 - \alpha < P(W^+ \geq w_\alpha - 1)$															