

**Verteilungsfunktion  $\Phi(x)$  der  $N(0,1)$ -Verteilung**

$x$	0	1	2	3	4	5	6	7	8	9
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	.7703	.7734	.7764	.7793	.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

**Quantile  $u_p$  der  $N(0,1)$ -Verteilung**

$p$	0.750	0.800	0.850	0.900	0.950	0.975	0.990	0.995	0.999	0.9995
$u_p$	0.674	0.842	1.036	1.282	1.645	1.960	2.326	2.576	3.090	3.290

Quantile  $\chi_{n;p}^2$  der  $\chi_n^2$ -Verteilungen

$p$	0.005	0.010	0.025	0.050	0.100	0.250
1	0.000	0.000	0.001	0.004	0.016	0.102
2	0.010	0.020	0.051	0.103	0.211	0.575
3	0.072	0.115	0.216	0.352	0.584	1.213
4	0.207	0.297	0.484	0.711	1.064	1.923
5	0.412	0.554	0.831	1.145	1.610	2.675
6	0.676	0.872	1.237	1.635	2.204	3.455
7	0.989	1.239	1.690	2.167	2.833	4.255
8	1.344	1.646	2.180	2.733	3.490	5.071
9	1.735	2.088	2.700	3.325	4.168	5.899
10	2.156	2.558	3.247	3.940	4.865	6.737
11	2.603	3.053	3.816	4.575	5.578	7.584
12	3.074	3.571	4.404	5.226	6.304	8.438
13	3.565	4.107	5.009	5.892	7.042	9.299
14	4.075	4.660	5.629	6.571	7.790	10.165
15	4.601	5.229	6.262	7.261	8.547	11.037
16	5.142	5.812	6.908	7.962	9.312	11.912
17	5.697	6.408	7.564	8.672	10.085	12.792
18	6.265	7.015	8.231	9.390	10.865	13.675
19	6.844	7.633	8.907	10.117	11.651	14.562
20	7.434	8.260	9.591	10.851	12.443	15.452
21	8.034	8.897	10.283	11.591	13.240	16.344
22	8.643	9.542	10.982	12.338	14.041	17.240
23	9.260	10.196	11.689	13.091	14.848	18.137
24	9.886	10.856	12.401	13.848	15.659	19.037
25	10.520	11.524	13.120	14.611	16.473	19.939
26	11.160	12.198	13.844	15.379	17.292	20.843
27	11.808	12.879	14.573	16.151	18.114	21.749
28	12.461	13.565	15.308	16.928	18.939	22.657
29	13.121	14.256	16.047	17.708	19.768	23.567
30	13.787	14.953	16.791	18.493	20.599	24.478
31	14.458	15.655	17.539	19.281	21.434	25.390
32	15.134	16.362	18.291	20.072	22.271	26.304
33	15.815	17.074	19.047	20.867	23.110	27.219
34	16.501	17.789	19.806	21.664	23.952	28.136
35	17.192	18.509	20.569	22.465	24.797	29.054
36	17.887	19.233	21.336	23.269	25.643	29.973
37	18.586	19.960	22.106	24.075	26.492	30.893
38	19.289	20.691	22.878	24.884	27.343	31.815
39	19.996	21.426	23.654	25.695	28.196	32.737
40	20.707	22.164	24.433	26.509	29.051	33.660
41	21.421	22.906	25.215	27.326	29.907	34.585
42	22.138	23.650	25.999	28.144	30.765	35.510
43	22.859	24.398	26.785	28.965	31.625	36.436
44	23.584	25.148	27.575	29.787	32.487	37.363
45	24.311	25.901	28.366	30.612	33.350	38.291
46	25.041	26.657	29.160	31.439	34.215	39.220
47	25.775	27.416	29.956	32.268	35.081	40.149
48	26.511	28.177	30.755	33.098	35.949	41.079
49	27.249	28.941	31.555	33.930	36.818	42.010
50	27.991	29.707	32.357	34.764	37.689	42.942
51	28.735	30.475	33.162	35.600	38.560	43.874
52	29.481	31.246	33.968	36.437	39.433	44.807
53	30.230	32.018	34.776	37.276	40.308	45.741
54	30.981	32.793	35.586	38.116	41.183	46.676
55	31.735	33.570	36.398	38.958	42.060	47.610
56	32.490	34.350	37.212	39.801	42.937	48.546
57	33.248	35.131	38.027	40.646	43.816	49.482
58	34.008	35.913	38.844	41.492	44.696	50.419
59	34.770	36.698	39.662	42.339	45.577	51.356
60	35.534	37.485	40.482	43.188	46.459	52.294
61	36.300	38.273	41.303	44.038	47.342	53.232
62	37.068	39.063	42.126	44.889	48.226	54.171
63	37.838	39.855	42.950	45.741	49.111	55.110
64	38.610	40.649	43.776	46.595	49.996	56.050
65	39.383	41.444	44.603	47.450	50.883	56.990
66	40.158	42.240	45.431	48.305	51.770	57.931
67	40.935	43.038	46.261	49.162	52.659	58.872
68	41.713	43.838	47.092	50.020	53.548	59.814
69	42.494	44.639	47.924	50.879	54.438	60.756
70	43.275	45.442	48.758	51.739	55.329	61.698

Quantile  $\chi_{n;p}^2$  der  $\chi_n^2$ -Verteilungen

$p$	0.750	0.900	0.950	0.975	0.990	0.995
1	1.323	2.706	3.841	5.024	6.635	7.879
2	2.773	4.605	5.991	7.378	9.210	10.597
3	4.108	6.251	7.815	9.348	11.345	12.838
4	5.385	7.779	9.488	11.143	13.277	14.860
5	6.626	9.236	11.070	12.833	15.086	16.750
6	7.841	10.645	12.592	14.449	16.812	18.548
7	9.037	12.017	14.067	16.013	18.475	20.278
8	10.219	13.362	15.507	17.535	20.090	21.955
9	11.389	14.684	16.919	19.023	21.666	23.589
10	12.549	15.987	18.307	20.483	23.209	25.188
11	13.701	17.275	19.675	21.920	24.725	26.757
12	14.845	18.549	21.026	23.337	26.217	28.300
13	15.984	19.812	22.362	24.736	27.688	29.819
14	17.117	21.064	23.685	26.119	29.141	31.319
15	18.245	22.307	24.996	27.488	30.578	32.801
16	19.369	23.542	26.296	28.845	32.000	34.267
17	20.489	24.769	27.587	30.191	33.409	35.718
18	21.605	25.989	28.869	31.526	34.805	37.156
19	22.718	27.204	30.144	32.852	36.191	38.582
20	23.828	28.412	31.410	34.170	37.566	39.997
21	24.935	29.615	32.671	35.479	38.932	41.401
22	26.039	30.813	33.924	36.781	40.289	42.796
23	27.141	32.007	35.172	38.076	41.638	44.181
24	28.241	33.196	36.415	39.364	42.980	45.559
25	29.339	34.382	37.652	40.646	44.314	46.928
26	30.435	35.563	38.885	41.923	45.642	48.290
27	31.528	36.741	40.113	43.195	46.963	49.645
28	32.620	37.916	41.337	44.461	48.278	50.993
29	33.711	39.087	42.557	45.722	49.588	52.336
30	34.800	40.256	43.773	46.979	50.892	53.672
31	35.887	41.422	44.985	48.232	52.191	55.003
32	36.973	42.585	46.194	49.480	53.486	56.328
33	38.058	43.745	47.400	50.725	54.776	57.648
34	39.141	44.903	48.602	51.966	56.061	58.964
35	40.223	46.059	49.802	53.203	57.342	60.275
36	41.304	47.212	50.998	54.437	58.619	61.581
37	42.383	48.363	52.192	55.668	59.892	62.883
38	43.462	49.513	53.384	56.896	61.162	64.181
39	44.539	50.660	54.572	58.120	62.428	65.476
40	45.616	51.805	55.758	59.342	63.691	66.766
41	46.692	52.949	56.942	60.561	64.950	68.053
42	47.766	54.090	58.124	61.777	66.206	69.336
43	48.840	55.230	59.303	62.990	67.459	70.616
44	49.913	56.369	60.481	64.201	68.710	71.893
45	50.985	57.505	61.656	65.410	69.957	73.166
46	52.056	58.641	62.830	66.617	71.201	74.437
47	53.127	59.774	64.001	67.821	72.443	75.704
48	54.196	60.907	65.171	69.023	73.683	76.969
49	55.265	62.038	66.339	70.222	74.919	78.231
50	56.334	63.167	67.505	71.420	76.154	79.490
51	57.401	64.295	68.669	72.616	77.386	80.747
52	58.468	65.422	69.832	73.810	78.616	82.001
53	59.534	66.548	70.993	75.002	79.843	83.253
54	60.600	67.673	72.153	76.192	81.069	84.502
55	61.665	68.796	73.311	77.380	82.292	85.749
56	62.729	69.919	74.468	78.567	83.513	86.994
57	63.793	71.040	75.624	79.752	84.733	88.236
58	64.857	72.160	76.778	80.936	85.950	89.477
59	65.919	73.279	77.931	82.117	87.166	90.715
60	66.981	74.397	79.082	83.298	88.379	91.952
61	68.043	75.514	80.232	84.476	89.591	93.186
62	69.104	76.630	81.381	85.654	90.802	94.419
63	70.165	77.745	82.529	86.830	92.010	95.649
64	71.225	78.860	83.675	88.004	93.217	96.878
65	72.285	79.973	84.821	89.177	94.422	98.105
66	73.344	81.085	85.965	90.349	95.626	99.330
67	74.403	82.197	87.108	91.519	96.828	100.554
68	75.461	83.308	88.250	92.689	98.028	101.776
69	76.519	84.418	89.391	93.856	99.228	102.996
70	77.577	85.527	90.531	95.023	100.425	104.215

## Quantile $t_{n,p}$ der $t_n$ -Verteilungen

$p$	0.750	0.800	0.850	0.900	0.950	0.975	0.990	0.995
$n$								
1	1.0000	1.3764	1.9626	3.0777	6.3138	12.7062	31.8206	63.6572
2	0.8165	1.0607	1.3862	1.8856	2.9200	4.3027	6.9646	9.9249
3	0.7649	0.9785	1.2498	1.6377	2.3534	3.1825	4.5407	5.8409
4	0.7407	0.9410	1.1896	1.5332	2.1318	2.7763	3.7470	4.6041
5	0.7267	0.9195	1.1558	1.4759	2.0150	2.5706	3.3648	4.0322
6	0.7176	0.9057	1.1342	1.4398	1.9432	2.4469	3.1426	3.7074
7	0.7111	0.8960	1.1192	1.4149	1.8946	2.3646	2.9979	3.4995
8	0.7064	0.8889	1.1081	1.3968	1.8595	2.3060	2.8965	3.3554
9	0.7027	0.8834	1.0997	1.3830	1.8331	2.2622	2.8214	3.2498
10	0.6998	0.8791	1.0931	1.3722	1.8125	2.2281	2.7638	3.1693
11	0.6974	0.8755	1.0877	1.3634	1.7959	2.2010	2.7181	3.1058
12	0.6955	0.8726	1.0832	1.3562	1.7823	2.1788	2.6810	3.0545
13	0.6938	0.8702	1.0795	1.3502	1.7709	2.1604	2.6503	3.0123
14	0.6924	0.8681	1.0763	1.3450	1.7613	2.1448	2.6245	2.9768
15	0.6912	0.8662	1.0735	1.3406	1.7530	2.1314	2.6025	2.9467
16	0.6901	0.8647	1.0711	1.3368	1.7459	2.1199	2.5835	2.9208
17	0.6892	0.8633	1.0690	1.3334	1.7396	2.1098	2.5669	2.8982
18	0.6884	0.8620	1.0672	1.3304	1.7341	2.1009	2.5524	2.8784
19	0.6876	0.8610	1.0655	1.3277	1.7291	2.0930	2.5395	2.8609
20	0.6870	0.8600	1.0640	1.3253	1.7247	2.0860	2.5280	2.8453
21	0.6864	0.8591	1.0627	1.3232	1.7207	2.0796	2.5176	2.8314
22	0.6858	0.8583	1.0614	1.3212	1.7171	2.0739	2.5083	2.8188
23	0.6853	0.8575	1.0603	1.3195	1.7139	2.0687	2.4999	2.8073
24	0.6848	0.8569	1.0593	1.3178	1.7109	2.0639	2.4922	2.7969
25	0.6844	0.8562	1.0584	1.3163	1.7081	2.0595	2.4851	2.7874
26	0.6840	0.8557	1.0575	1.3150	1.7056	2.0555	2.4786	2.7787
27	0.6837	0.8551	1.0567	1.3137	1.7033	2.0518	2.4727	2.7707
28	0.6834	0.8546	1.0560	1.3125	1.7011	2.0484	2.4671	2.7633
29	0.6830	0.8542	1.0553	1.3114	1.6991	2.0452	2.4620	2.7564
30	0.6828	0.8538	1.0547	1.3104	1.6973	2.0423	2.4573	2.7500
31	0.6825	0.8534	1.0541	1.3095	1.6955	2.0395	2.4528	2.7440
32	0.6822	0.8530	1.0535	1.3086	1.6939	2.0369	2.4487	2.7385
33	0.6820	0.8526	1.0530	1.3077	1.6924	2.0345	2.4448	2.7333
34	0.6818	0.8523	1.0525	1.3070	1.6909	2.0322	2.4412	2.7284
35	0.6816	0.8520	1.0520	1.3062	1.6896	2.0301	2.4377	2.7238
36	0.6814	0.8517	1.0516	1.3055	1.6883	2.0281	2.4345	2.7195
37	0.6812	0.8514	1.0512	1.3049	1.6871	2.0262	2.4314	2.7154
38	0.6810	0.8512	1.0508	1.3042	1.6860	2.0244	2.4286	2.7116
39	0.6808	0.8509	1.0504	1.3036	1.6849	2.0227	2.4258	2.7079
40	0.6807	0.8507	1.0500	1.3031	1.6839	2.0211	2.4233	2.7045
41	0.6805	0.8505	1.0497	1.3025	1.6829	2.0195	2.4208	2.7012
42	0.6804	0.8503	1.0494	1.3020	1.6820	2.0181	2.4185	2.6981
43	0.6802	0.8501	1.0491	1.3016	1.6811	2.0167	2.4163	2.6951
44	0.6801	0.8499	1.0488	1.3011	1.6802	2.0154	2.4141	2.6923
45	0.6800	0.8497	1.0485	1.3006	1.6794	2.0141	2.4121	2.6896
46	0.6799	0.8495	1.0483	1.3002	1.6787	2.0129	2.4102	2.6870
47	0.6797	0.8493	1.0480	1.2998	1.6779	2.0117	2.4083	2.6846
48	0.6796	0.8492	1.0478	1.2994	1.6772	2.0106	2.4066	2.6822
49	0.6795	0.8490	1.0475	1.2991	1.6766	2.0096	2.4049	2.6800
50	0.6794	0.8489	1.0473	1.2987	1.6759	2.0086	2.4033	2.6778
51	0.6793	0.8487	1.0471	1.2984	1.6753	2.0076	2.4017	2.6757
52	0.6792	0.8486	1.0469	1.2980	1.6747	2.0066	2.4002	2.6737
53	0.6791	0.8485	1.0467	1.2977	1.6741	2.0057	2.3988	2.6718
54	0.6791	0.8483	1.0465	1.2974	1.6736	2.0049	2.3974	2.6700
55	0.6790	0.8482	1.0463	1.2971	1.6730	2.0040	2.3961	2.6682
56	0.6789	0.8481	1.0461	1.2969	1.6725	2.0032	2.3948	2.6665
57	0.6788	0.8480	1.0459	1.2966	1.6720	2.0025	2.3936	2.6649
58	0.6787	0.8479	1.0458	1.2963	1.6716	2.0017	2.3924	2.6633
59	0.6787	0.8478	1.0456	1.2961	1.6711	2.0010	2.3912	2.6618
60	0.6786	0.8477	1.0455	1.2958	1.6706	2.0003	2.3901	2.6603
61	0.6785	0.8476	1.0453	1.2956	1.6702	1.9996	2.3890	2.6589
62	0.6785	0.8475	1.0452	1.2954	1.6698	1.9990	2.3880	2.6575
63	0.6784	0.8474	1.0450	1.2951	1.6694	1.9983	2.3870	2.6561
64	0.6783	0.8473	1.0449	1.2949	1.6690	1.9977	2.3860	2.6549
65	0.6783	0.8472	1.0448	1.2947	1.6686	1.9971	2.3851	2.6536
66	0.6782	0.8471	1.0446	1.2945	1.6683	1.9966	2.3842	2.6524
67	0.6782	0.8470	1.0445	1.2943	1.6679	1.9960	2.3833	2.6512
68	0.6781	0.8469	1.0444	1.2941	1.6676	1.9955	2.3824	2.6501
69	0.6781	0.8469	1.0443	1.2939	1.6672	1.9949	2.3816	2.6490
70	0.6780	0.8468	1.0442	1.2938	1.6669	1.9944	2.3808	2.6479

Quantile  $F_{m,n;p}$  der  $F_{m,n}$ -Verteilungen

$p$		0.500	0.900	0.950	0.975	0.990	0.995
$m$	$n$						
1	1	1.0000	39.864	161.45	647.46	4051.9	16211.
1	2	.66667	8.5260	18.512	38.506	98.503	198.50
1	3	.58506	5.5382	10.128	17.443	34.113	55.551
1	4	.54863	4.5448	7.7086	12.218	21.198	31.333
1	5	.52807	4.0604	6.6079	10.007	16.258	22.785
1	6	.51489	3.7759	5.9874	8.8128	13.745	18.635
1	7	.50572	3.5893	5.5914	8.0726	12.246	16.236
1	8	.49898	3.4579	5.3176	7.5709	11.259	14.688
1	9	.49382	3.3603	5.1172	7.2093	10.561	13.614
1	10	.48974	3.2850	4.9646	6.9367	10.044	12.826
1	11	.48643	3.2252	4.8443	6.7240	9.6460	12.226
1	12	.48370	3.1765	4.7472	6.5538	9.3302	11.754
1	13	.48140	3.1362	4.6672	6.4141	9.0738	11.373
1	14	.47944	3.1022	4.6001	6.2979	8.8616	11.060
1	15	.47775	3.0732	4.5431	6.1995	8.6831	10.798
1	16	.47628	3.0481	4.4940	6.1151	8.5310	10.575
1	17	.47499	3.0262	4.4513	6.0420	8.3997	10.384
1	18	.47384	3.0070	4.4139	5.9781	8.2854	10.218
1	19	.47282	2.9899	4.3807	5.9216	8.1850	10.073
1	20	.47171	2.9747	4.3512	5.8715	8.0957	9.9439
2	1	1.5000	49.500	199.50	799.50	4999.5	20000.
2	2	1.0000	9.0000	19.000	39.000	99.000	199.00
2	3	.88110	5.4624	9.5521	16.044	30.817	49.800
2	4	.82843	4.3246	6.9442	10.649	18.000	26.284
2	5	.79877	3.7797	5.7861	8.4336	13.274	18.314
2	6	.77976	3.4633	5.1433	7.2598	10.925	14.544
2	7	.76655	3.2574	4.7373	6.5415	9.5466	12.404
2	8	.75677	3.1131	4.4589	6.0595	8.6490	11.042
2	9	.74933	3.0065	4.2565	5.7147	8.0215	10.107
2	10	.74344	2.9245	4.1028	5.4563	7.5594	9.4268
2	11	.73867	2.8595	3.9823	5.2559	7.2057	8.9122
2	12	.73473	2.8068	3.8853	5.0959	6.9266	8.5096
2	13	.73141	2.7632	3.8056	4.9653	6.7010	8.1865
2	14	.72858	2.7265	3.7389	4.8567	6.5147	7.9217
2	15	.72614	2.6951	3.6822	4.7650	6.3588	7.7008
2	16	.72402	2.6681	3.6337	4.6867	6.2262	7.5138
2	17	.72215	2.6446	3.5915	4.6189	6.1121	7.3536
2	18	.72049	2.6238	3.5546	4.5597	6.0129	7.2148
2	19	.71902	2.6055	3.5219	4.5075	5.9259	7.0933
2	20	.71769	2.5891	3.4928	4.4613	5.8489	6.9863
3	1	1.7092	53.593	215.82	864.28	5403.5	21615.
3	2	1.1349	9.1618	19.164	39.166	99.166	199.33
3	3	1.0000	5.3904	9.2766	15.439	29.456	47.462
3	4	.94053	4.1909	6.5914	9.9792	16.694	24.258
3	5	.90715	3.6195	5.4094	7.7636	12.060	16.529
3	6	.88578	3.2888	4.7571	6.5988	9.7795	12.916
3	7	.87094	3.0741	4.3468	5.8898	8.4512	10.882
3	8	.86004	2.9238	4.0662	5.4160	7.5909	9.5963
3	9	.85168	2.8129	3.8625	5.0781	6.9919	8.7169
3	10	.84508	2.7277	3.7083	4.8256	6.5523	8.0806
3	11	.83973	2.6602	3.5874	4.6300	6.2167	7.6003
3	12	.83531	2.6055	3.4903	4.4742	5.9525	7.2256
3	13	.83159	2.5603	3.4105	4.3472	5.7393	6.9256
3	14	.82842	2.5222	3.3439	4.2417	5.5638	6.6802
3	15	.82568	2.4898	3.2874	4.1528	5.4169	6.4759
3	16	.82330	2.4618	3.2388	4.0768	5.2921	6.3032
3	17	.82121	2.4374	3.1967	4.0111	5.1849	6.1555
3	18	.81935	2.4160	3.1599	3.9538	5.0918	6.0276
3	19	.81770	2.3970	3.1273	3.9034	5.0102	5.9159
3	20	.81621	2.3801	3.0983	3.8586	4.9381	5.8175
4	1	1.8227	55.833	224.75	899.75	5624.8	22500.
4	2	1.2071	9.2436	19.247	39.248	99.250	199.50
4	3	1.0632	5.3426	9.1172	15.101	28.709	46.191
4	4	1.0000	4.1072	6.3882	9.6045	15.977	23.154
4	5	.96455	3.5201	5.1922	7.3879	11.392	15.556
4	6	.94189	3.1808	4.5337	6.2272	9.1483	12.028
4	7	.92619	2.9605	4.1203	5.5226	7.8466	10.051
4	8	.91465	2.8064	3.8379	5.0526	7.0061	8.8051
4	9	.90580	2.6927	3.6331	4.7181	6.4221	7.9559
4	10	.89882	2.6053	3.4780	4.4683	5.9943	7.3428
4	11	.89316	2.5362	3.3567	4.2751	5.6683	6.8809
4	12	.88848	2.4801	3.2592	4.1212	5.4120	6.5211
4	13	.88455	2.4337	3.1791	3.9959	5.2053	6.2335
4	14	.88119	2.3947	3.1122	3.8919	5.0354	5.9984
4	15	.87830	2.3614	3.0556	3.8043	4.8932	5.8029
4	16	.87579	2.3327	3.0069	3.7294	4.7726	5.6379
4	17	.87357	2.3077	2.9647	3.6648	4.6690	5.4967
4	18	.87161	2.2858	2.9277	3.6083	4.5790	5.3746
4	19	.86986	2.2663	2.8951	3.5587	4.5003	5.2681
4	20	.86829	2.2489	2.8661	3.5147	4.4307	5.1743

Quantile  $F_{m,n;p}$  der  $F_{m,n}$ -Verteilungen

$p$		0.500	0.900	0.950	0.975	0.990	0.995
$m$	$n$						
5	1	1.8937	57.240	230.36	922.05	5763.9	23056.
5	2	1.2519	9.2929	19.296	39.298	99.300	199.60
5	3	1.1024	5.3091	9.0135	14.885	28.236	45.389
5	4	1.0367	4.0505	6.2561	9.3645	15.522	22.456
5	5	1.0000	3.4530	5.0503	7.1464	10.967	14.940
5	6	.97654	3.1075	4.3871	5.9876	8.7459	11.464
5	7	.96026	2.8833	3.9714	5.2852	7.4604	9.5221
5	8	.94830	2.7264	3.6874	4.8173	6.6318	8.3018
5	9	.93915	2.6106	3.4816	4.4844	6.0569	7.4712
5	10	.93192	2.5216	3.3257	4.2359	5.6363	6.8724
5	11	.92606	2.4511	3.2038	4.0438	5.3160	6.4218
5	12	.92122	2.3939	3.1058	3.8910	5.0643	6.0711
5	13	.91715	2.3467	3.0253	3.7665	4.8616	5.7910
5	14	.91369	2.3069	2.9582	3.6634	4.6950	5.5623
5	15	.91070	2.2730	2.9013	3.5764	4.5556	5.3721
5	16	.90809	2.2438	2.8524	3.5021	4.4374	5.2117
5	17	.90580	2.2183	2.8100	3.4379	4.3359	5.0746
5	18	.90377	2.1958	2.7729	3.3820	4.2479	4.9560
5	19	.90197	2.1760	2.7401	3.3327	4.1708	4.8526
5	20	.90034	2.1582	2.7109	3.2891	4.1027	4.7616
6	1	1.9422	58.205	234.21	937.34	5859.2	23438.
6	2	1.2824	9.3259	19.330	39.332	99.333	199.67
6	3	1.1289	5.2846	8.9406	14.735	27.910	44.835
6	4	1.0617	4.0097	6.1631	9.1973	15.207	21.974
6	5	1.0240	3.4045	4.9503	6.9777	10.672	14.513
6	6	1.0000	3.0545	4.2837	5.8198	8.4661	11.073
6	7	.98334	2.8274	3.8659	5.1186	7.1914	9.1554
6	8	.97111	2.6683	3.5805	4.6515	6.3707	7.9520
6	9	.96175	2.5508	3.3737	4.3196	5.8018	7.1339
6	10	.95435	2.4606	3.2172	4.0720	5.3858	6.5446
6	11	.94837	2.3891	3.0946	3.8806	5.0692	6.1016
6	12	.94342	2.3310	2.9961	3.7282	4.8204	5.7570
6	13	.93926	2.2830	2.9152	3.6042	4.6202	5.4819
6	14	.93572	2.2425	2.8477	3.5013	4.4557	5.2574
6	15	.93266	2.2081	2.7904	3.4146	4.3182	5.0708
6	16	.93000	2.1783	2.7413	3.3406	4.2015	4.9132
6	17	.92766	2.1523	2.6986	3.2766	4.1014	4.7788
6	18	.92559	2.1295	2.6613	3.2209	4.0146	4.6626
6	19	.92374	2.1093	2.6283	3.1718	3.9385	4.5612
6	20	.92208	2.0913	2.5989	3.1283	3.8714	4.4720
7	1	1.9774	59.144	237.01	948.46	5928.6	23715.
7	2	1.3046	9.3496	19.353	39.355	99.357	199.72
7	3	1.1482	5.2660	8.8867	14.624	27.671	44.431
7	4	1.0797	3.9789	6.0942	9.0741	14.976	21.621
7	5	1.0414	3.3679	4.8759	6.8531	10.456	14.200
7	6	1.0169	3.0144	4.2064	5.6955	8.2600	10.786
7	7	1.0000	2.7849	3.7870	4.9949	6.9928	8.8854
7	8	.98757	2.6241	3.5004	4.5283	6.1776	7.6942
7	9	.97805	2.5053	3.2927	4.1969	5.6129	6.8849
7	10	.97054	2.4140	3.1355	3.9498	5.2001	6.3025
7	11	.96445	2.3416	3.0123	3.7586	4.8859	5.8648
7	12	.95943	2.2828	2.9134	3.6065	4.6394	5.5245
7	13	.95520	2.2341	2.8321	3.4826	4.4409	5.2529
7	14	.95160	2.1931	2.7642	3.3799	4.2778	5.0311
7	15	.94850	2.1582	2.7066	3.2933	4.1415	4.8471
7	16	.94580	2.1280	2.6572	3.2194	4.0259	4.6919
7	17	.94342	2.1017	2.6143	3.1556	3.9267	4.5593
7	18	.94132	2.0785	2.5767	3.0999	3.8406	4.4447
7	19	.93944	2.0580	2.5435	3.0509	3.7652	4.3448
7	20	.93775	2.0397	2.5140	3.0074	3.6987	4.2568
8	1	2.0041	59.689	239.13	956.91	5981.3	23926.
8	2	1.3213	9.3673	19.371	39.373	99.750	199.75
8	3	1.1627	5.2514	8.8452	14.540	27.488	44.122
8	4	1.0933	3.9548	6.0410	8.9796	14.799	21.352
8	5						

Quantile  $F_{m,n;p}$  der  $F_{m,n}$ -Verteilungen

p		0.500	0.900	0.950	0.975	0.990	0.995
m	n						
9	1	2.0250	60.117	240.80	963.55	6022.8	24092.
9	2	1.3344	9.3812	19.385	39.387	99.778	199.78
9	3	1.1741	5.2397	8.8123	14.473	27.344	43.879
9	4	1.1040	3.9355	5.9988	8.9047	14.659	21.139
9	5	1.0648	3.3162	4.7725	6.6811	10.158	13.772
9	6	1.0398	2.9577	4.0987	5.5234	7.9761	10.392
9	7	1.0224	2.7247	3.6766	4.8232	6.7188	8.5138
9	8	1.0097	2.5612	3.3881	4.3570	5.9106	7.3386
9	9	1.0000	2.4403	3.1789	4.0259	5.3511	6.5411
9	10	.99232	2.3473	3.0204	3.7789	4.9424	5.9676
9	11	.98610	2.2735	2.8962	3.5879	4.6313	5.5368
9	12	.98097	2.2135	2.7964	3.4358	4.3874	5.2018
9	13	.97665	2.1638	2.7144	3.3120	4.1910	4.9349
9	14	.97298	2.1220	2.6458	3.2093	4.0296	4.7171
9	15	.96981	2.0862	2.5876	3.1227	3.8947	4.5363
9	16	.96705	2.0553	2.5377	3.0487	3.7804	4.3838
9	17	.96462	2.0284	2.4943	2.9849	3.6822	4.2535
9	18	.96247	2.0047	2.4563	2.9291	3.5971	4.1409
9	19	.96056	1.9836	2.4227	2.8800	3.5225	4.0428
9	20	.95884	1.9649	2.3928	2.8365	3.4567	3.9564
10	1	2.0419	60.462	242.15	968.90	6056.1	24225.
10	2	1.3450	9.3923	19.396	39.398	99.800	199.80
10	3	1.1833	5.2300	8.7855	14.419	27.228	43.682
10	4	1.1126	3.9197	5.9644	8.8439	14.546	20.966
10	5	1.0731	3.2973	4.7351	6.6192	10.051	13.618
10	6	1.0478	2.9369	4.0596	5.4613	7.8741	10.250
10	7	1.0304	2.7025	3.6364	4.7611	6.6201	8.3803
10	8	1.0175	2.5380	3.3471	4.2948	5.8143	7.2106
10	9	1.0077	2.4163	3.1373	3.9637	5.2565	6.4172
10	10	1.0000	2.3226	2.9782	3.7167	4.8491	5.8467
10	11	.99374	2.2482	2.8536	3.5256	4.5391	5.4183
10	12	.98856	2.1878	2.7534	3.3735	4.2959	5.0852
10	13	.98421	2.1376	2.6710	3.2497	4.1002	4.8197
10	14	.98051	2.0954	2.6022	3.1469	3.9393	4.6032
10	15	.97732	2.0593	2.5437	3.0602	3.8049	4.4234
10	16	.97454	2.0281	2.4935	2.9862	3.6909	4.2718
10	17	.97209	2.0009	2.4499	2.9222	3.5930	4.1423
10	18	.96993	1.9770	2.4117	2.8664	3.5081	4.0304
10	19	.96800	1.9557	2.3779	2.8172	3.4338	3.9328
10	20	.96626	1.9367	2.3479	2.7737	3.3682	3.8470
11	1	2.0558	60.746	243.26	973.30	6083.6	24335.
11	2	1.3537	9.4013	19.405	39.407	99.818	199.82
11	3	1.1909	5.2220	8.7633	14.374	27.132	43.520
11	4	1.1196	3.9065	5.9358	8.7935	14.452	20.824
11	5	1.0798	3.2815	4.7040	6.5678	9.9626	13.491
11	6	1.0544	2.9195	4.0274	5.4098	7.7896	10.133
11	7	1.0369	2.6839	3.6029	4.7095	6.5382	8.2697
11	8	1.0240	2.5186	3.3129	4.2431	5.7343	7.1045
11	9	1.0141	2.3961	3.1025	3.9119	5.1779	6.3143
11	10	1.0063	2.3018	2.9429	3.6648	4.7715	5.7462
11	11	1.0000	2.2269	2.8179	3.4737	4.4622	5.3197
11	12	.99479	2.1660	2.7173	3.3215	4.2197	4.9881
11	13	.99042	2.1155	2.6346	3.1975	4.0244	4.7238
11	14	.98669	2.0729	2.5655	3.0946	3.8640	4.5083
11	15	.98348	2.0366	2.5068	3.0078	3.7299	4.3294
11	16	.98068	2.0051	2.4564	2.9337	3.6161	4.1784
11	17	.97822	1.9777	2.4126	2.8696	3.5185	4.0495
11	18	.97605	1.9535	2.3742	2.8137	3.4338	3.9381
11	19	.97410	1.9321	2.3402	2.7645	3.3596	3.8410
11	20	.97236	1.9129	2.3100	2.7209	3.2941	3.7555
12	1	2.0674	60.983	244.18	976.99	6106.6	24427.
12	2	1.3610	9.4089	19.413	39.415	99.834	199.83
12	3	1.1972	5.2151	8.7446	14.337	27.051	43.384
12	4	1.1255	3.8953	5.9117	8.7512	14.373	20.704
12	5	1.0855	3.2681	4.6777	6.5246	9.8883	13.384
12	6	1.0600	2.9047	3.9999	5.3662	7.7183	10.034
12	7	1.0423	2.6681	3.5745	4.6658	6.4691	8.1764
12	8	1.0293	2.5020	3.2839	4.1997	5.6667	7.0149
12	9	1.0194	2.3789	3.0729	3.8680	5.1114	6.2274
12	10	1.0116	2.2841	2.9130	3.6208	4.7059	5.6613
12	11	1.0052	2.2087	2.7876	3.4296	4.3972	5.2363
12	12	1.0000	2.1474	2.6866	3.2772	4.1551	4.9059
12	13	.99560	2.0966	2.6037	3.1532	3.9602	4.6427
12	14	.99186	2.0537	2.5342	3.0501	3.8001	4.4280
12	15	.98863	2.0171	2.4753	2.9633	3.6662	4.2496
12	16	.98582	1.9854	2.4247	2.8890	3.5527	4.0993
12	17	.98335	1.9577	2.3807	2.8249	3.4552	3.9708
12	18	.98116	1.9333	2.3421	2.7689	3.3706	3.8598
12	19	.97920	1.9117	2.3080	2.7196	3.2965	3.7630
12	20	.97745	1.8924	2.2776	2.6758	3.2311	3.6779

Quantile  $F_{m,n;p}$  der  $F_{m,n}$ -Verteilungen

p		0.500	0.900	0.950	0.975	0.990	0.995
m	n						
13	1	2.0773	61.185	244.97	980.12	6126.2	24505.
13	2	1.3671	9.4153	19.419	39.421	99.846	199.85
13	3	1.2025	5.2092	8.7287	14.304	26.982	43.268
13	4	1.1305	3.8856	5.8911	8.7150	14.306	20.602
13	5	1.0903	3.2566	4.6552	6.4876	9.8248	13.293
13	6	1.0647	2.8919	3.9764	5.3290	7.6575	9.9501
13	7	1.0469	2.6545	3.5501	4.6285	6.4100	8.0968
13	8	1.0339	2.4876	3.2589	4.1622	5.6089	6.9384
13	9	1.0239	2.3640	3.0475	3.8304	5.0545	6.1530
13	10	1.0160	2.2687	2.8872	3.5831	4.6496	5.5887
13	11	1.0097	2.1929	2.7614	3.3917	4.3414	5.1649
13	12	1.0044	2.1313	2.6602	3.2392	4.0997	4.8355
13	13	1.0000	2.0802	2.5769	3.1150	3.9051	4.5731
13	14	.99624	2.0370	2.5073	3.0119	3.7452	4.3590
13	15	.99300	2.0001	2.4481	2.9249	3.6115	4.1812
13	16	.99017	1.9682	2.3973	2.8506	3.4981	4.0313
13	17	.98769	1.9404	2.3531	2.7863	3.4007	3.9032
13	18	.98549	1.9158	2.3143	2.7302	3.3162	3.7925
13	19	.98353	1.8940	2.2800	2.6808	3.2422	3.6960
13	20	.98177	1.8745	2.2496	2.6369	3.1768	3.6111
14	1	2.0864	61.359	245.65	982.82	6143.0	24572.
14	2	1.3724	9.4208	19.425	39.427	99.857	199.86
14	3	1.2071	5.2042	8.7149	14.277	26.923	43.168
14	4	1.1348	3.8773	5.8733	8.6838	14.249	20.514
14	5	1.0945	3.2466	4.6358	6.4556	9.7700	13.215
14	6	1.0687	2.8809	3.9559	5.2968	7.6049	9.8774
14	7	1.0509	2.6426	3.5290	4.5961	6.3590	8.0279
14	8	1.0378	2.4752	3.2373	4.1297	5.5589	6.8721
14	9	1.0278	2.3510	3.0254	3.7977	5.0052	6.0887
14	10	1.0199	2.2553	2.8647	3.5503	4.6008	5.5257
14	11	1.0135	2.1792	2.7386	3.3587	4.2930	5.1031
14	12	1.0082	2.1173	2.6371	3.2062	4.0516	4.7745
14	13	1.0038	2.0658	2.5536	3.0818	3.8572	4.5127
14	14	1.0000	2.0224	2.4837	2.9786	3.6975	4.2991
14	15	.99674	1.9853	2.4244	2.8915	3.5639	4.1218
14	16	.99391	1.9532	2.3733	2.8170	3.4506	3.9722
14	17	.99142	1.9252	2.3290	2.7526	3.3533	3.8444
14	18	.98921	1.9004	2.2900	2.6964	3.2689	3.7340
14	19	.98725	1.8785	2.2556	2.6469	3.1949	3.6377
14	20	.98548	1.8588	2.2250	2.6030	3.1296	3.5530
15	1	2.0938	61.510	246.24	985.16	6157.6	24631.
15	2	1.3771	9.4256	19.429	39.431	99.867	199.87
15	3	1.2111	5.1997	8.7029	14.253	26.871	43.081
15	4	1.1386	3.8700	5.8578	8.6565	14.198	20.438
15	5	1.0981	3.2379	4.6188	6.4277	9.7222	13.146
15	6	1.0722	2.8712	3.9381	5.2687	7.5590	9.8140
15	7	1.0543	2.6322	3.5105	4.5678	6.3143	7.9678
15	8	1.0412	2.4642	3.2183	4.1012	5.5151	6.8143
15	9	1.0311	2.3396	3.0060	3.7691	4.9621	6.0325
15	10	1.0232	2.2435	2.8450	3.5215	4.5581	5.4707
15	11	1.0168	2.1671	2.7186	3.3299	4.2506	5.0489
15	12	1.0115	2.1049	2.6168	3.1772	4.0095	4.7210
15	13	1.0071	2.0532	2.5331	3.0527	3.8153	4.4598
15	14	1.0033	2.0095	2.4630	2.9493	3.6556	4.2467
15	15	1.0000	1.9722	2.4034	2.8621	3.5221	4.0697
15	16	.99716	1.9399	2.3522	2.7875	3.4089	3.9204
15	17	.99466	1.9117	2.3077	2.7230	3.3117	3.7929
15	18	.99244	1.8868	2.2686	2.6667	3.2273	3.6827
15	19	.99047	1.8647	2.2341	2.6171	3.1533	3.5865
15	20	.98870	1.8449	2.2033	2.5731	3.0880	3.5019
16	1	2.1002	61.642	246.76	987.21	6170.4	24682.
16	2	1.3811	9.4297	19.434	39.436	99.875	199.88
16	3	1.21					