

**α – Quantile der F-Verteilung mit
 n_1 und n_2 Freiheitsgraden $F_{n_1, n_2; \alpha}$**

Es gilt:

$$F_{n_2, n_1; 1-\alpha} = \frac{1}{F_{n_1, n_2; \alpha}}$$

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$

n_2	α	n_1														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	0.990	4052	4999	5403	5625	5764	5859	5928	5981	6022	6056	6083	6106	6126	6143	6157
	0.975	647.8	799.5	864.2	899.6	921.8	937.1	948.2	956.7	963.3	968.6	973.0	976.7	979.8	982.5	984.9
	0.950	161.4	199.5	215.7	224.6	230.2	234.0	236.8	238.9	240.5	241.9	243.0	243.9	244.7	245.4	245.9
	0.900	39.86	49.50	53.59	55.83	57.24	58.20	58.91	59.44	59.86	60.20	60.47	60.71	60.90	61.07	61.22
2	0.990	98.50	99.00	99.17	99.25	99.30	99.33	99.36	99.37	99.39	99.40	99.41	99.42	99.42	99.43	99.43
	0.975	38.51	39.00	39.17	39.25	39.30	39.33	39.36	39.37	39.39	39.40	39.41	39.41	39.42	39.43	39.43
	0.950	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.40	19.41	19.42	19.42	19.43
	0.900	8.256	9.000	9.162	9.243	9.293	9.326	9.349	9.367	9.381	9.392	9.401	9.408	9.415	9.420	9.425
3	0.990	34.12	30.82	29.46	28.71	28.24	27.91	27.67	27.49	27.35	27.23	27.13	27.05	26.98	26.92	26.87
	0.975	17.44	16.04	15.44	15.10	14.88	14.73	14.62	14.54	14.47	14.42	14.37	14.34	14.30	14.28	14.25
	0.950	10.13	9.552	9.277	9.117	9.013	8.941	8.887	8.845	8.812	8.786	8.763	8.745	8.729	8.715	8.703
	0.900	5.538	5.462	5.391	5.343	5.309	5.285	5.266	5.252	5.240	5.230	5.222	5.216	5.210	5.205	5.200
4	0.990	21.20	18.00	16.69	15.98	15.52	15.21	14.98	14.80	14.66	14.55	14.45	14.37	14.31	14.25	14.20
	0.975	12.22	10.65	9.979	9.605	9.364	9.197	9.074	8.980	8.905	8.844	8.794	8.751	8.715	8.684	8.657
	0.950	7.709	6.944	6.591	6.388	6.256	6.163	6.094	6.041	5.999	5.964	5.936	5.912	5.891	5.873	5.858
	0.900	4.545	4.325	4.191	4.107	4.051	4.010	3.979	3.955	3.936	3.920	3.907	3.896	3.886	3.878	3.870
5	0.990	16.26	13.27	12.06	11.39	10.97	10.67	10.46	10.29	10.16	10.05	9.263	9.888	9.825	9.770	9.722
	0.975	10.01	8.434	7.764	7.388	7.416	6.978	6.853	6.757	6.681	6.619	6.568	6.525	6.488	6.456	6.428
	0.950	6.608	5.786	5.409	5.192	5.050	4.950	4.876	4.818	4.772	4.735	4.704	4.678	4.655	4.636	4.619
	0.900	4.060	3.780	3.619	3.520	3.453	3.405	3.368	3.339	3.316	3.297	3.282	3.268	3.257	3.247	3.238

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$
(Forts.)

n_2	α	n_1														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6	0.990	13.75	10.92	9.780	9.148	8.746	8.466	8.260	8.102	7.976	7.874	7.790	7.718	7.658	7.605	7.559
	0.975	8.813	7.260	6.599	6.227	5.988	5.820	5.695	5.600	5.523	5.461	5.410	5.366	5.329	5.297	5.269
	0.950	5.987	5.143	4.757	4.534	4.387	4.284	4.207	4.147	4.099	4.060	4.027	4.000	3.976	3.956	3.938
	0.900	3.776	3.463	3.289	3.181	3.108	3.055	3.014	2.983	2.958	2.937	2.919	2.905	2.892	2.881	2.871
7	0.990	12.25	9.547	8.451	7.847	7.460	7.191	6.993	6.840	6.719	6.620	6.538	6.469	6.410	6.359	6.314
	0.975	8.073	6.542	5.890	5.523	5.285	5.119	4.995	4.899	4.823	4.761	4.709	4.666	4.628	4.596	4.568
	0.950	5.591	4.737	4.347	4.120	3.972	3.866	3.787	3.726	3.677	3.637	3.603	3.575	3.550	3.529	3.511
	0.900	3.589	3.257	3.074	2.961	2.883	2.827	2.785	2.752	2.725	2.703	2.684	2.668	2.654	2.643	2.632
8	0.990	11.26	8.649	7.591	7.006	6.632	6.371	6.178	6.029	5.911	5.814	5.734	5.667	5.609	5.559	5.515
	0.975	7.571	6.059	5.416	5.053	4.817	4.652	4.529	4.433	4.357	4.295	4.243	4.200	4.162	4.130	4.101
	0.950	5.318	4.459	4.066	3.838	3.687	3.581	3.500	3.438	3.388	3.347	3.313	3.284	3.259	3.237	3.218
	0.900	3.458	3.113	2.924	2.806	2.726	2.668	2.624	2.589	2.561	2.538	2.519	2.502	2.488	2.475	2.464
9	0.990	10.56	8.022	6.992	6.422	6.057	5.802	5.613	5.467	5.351	5.257	5.178	5.111	5.055	5.005	4.962
	0.975	7.209	5.715	5.078	4.718	4.484	4.320	4.197	4.102	4.026	3.964	3.912	3.868	3.831	3.798	3.769
	0.950	5.117	4.256	3.863	3.633	3.482	3.374	3.293	3.230	3.179	3.137	3.102	3.073	3.048	3.025	3.006
	0.900	3.360	3.006	2.813	2.693	2.611	2.551	2.505	2.469	2.440	2.416	2.396	2.379	2.364	2.351	2.340
10	0.990	10.04	7.559	6.552	5.994	5.636	5.386	5.200	5.057	4.942	4.849	4.772	4.706	4.650	4.601	4.558
	0.975	6.937	5.456	4.826	4.468	4.236	4.072	3.950	3.855	3.779	3.717	3.665	3.621	3.583	3.550	3.522
	0.950	4.965	4.103	3.708	3.478	3.326	3.217	3.135	3.072	3.020	2.978	2.943	2.913	2.887	2.865	2.845
	0.900	3.285	2.924	2.728	2.605	2.522	2.461	2.414	2.377	2.347	2.323	2.302	2.284	2.269	2.255	2.244

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$ (Forts.)

n_2	α	n_1														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11	0.990	9.646	7.206	6.217	5.668	5.316	5.069	4.886	4.744	4.632	4.539	4.462	4.397	4.342	4.293	4.251
	0.975	6.724	5.256	4.630	4.257	4.044	3.881	3.759	3.664	3.588	3.526	3.474	3.430	3.392	3.359	3.330
	0.950	4.844	3.982	3.587	3.357	3.204	3.095	3.012	2.948	2.896	2.854	2.818	2.788	2.761	2.739	2.719
	0.900	3.225	2.860	2.660	2.536	2.451	2.389	2.342	2.304	2.274	2.248	2.227	2.209	2.193	2.179	2.167
12	0.990	9.330	6.927	5.953	5.412	5.064	4.821	4.640	4.499	4.388	4.296	4.220	4.155	4.100	4.052	4.010
	0.975	6.554	5.096	4.474	4.121	3.891	3.728	3.607	3.512	3.436	3.374	3.321	3.277	3.239	3.206	3.177
	0.950	4.747	3.885	3.490	3.259	3.106	2.996	2.913	2.849	2.796	2.753	2.717	2.687	2.660	2.637	2.617
	0.900	3.177	2.807	2.606	2.480	2.394	2.331	2.283	2.245	2.214	2.188	2.166	2.147	2.131	2.117	2.105
13	0.990	9.074	6.701	5.739	5.205	4.862	4.620	4.441	4.302	4.191	4.100	4.025	3.960	3.905	3.857	3.815
	0.975	6.414	4.965	4.347	3.996	3.767	3.604	3.483	3.388	3.312	3.250	3.197	3.153	3.115	3.082	3.053
	0.950	4.667	3.806	3.411	3.179	3.025	2.915	2.832	2.767	2.714	2.671	2.635	2.604	2.577	2.533	2.533
	0.900	3.136	2.763	2.560	2.434	2.347	2.283	2.234	2.195	2.164	2.138	2.116	2.097	2.080	2.066	2.053
14	0.990	8.862	6.515	5.564	5.035	4.695	4.456	4.278	4.140	4.030	3.939	3.864	3.800	3.745	3.697	3.656
	0.975	6.298	4.857	4.242	3.892	3.663	3.501	3.380	3.285	3.209	3.147	3.095	3.050	3.012	2.978	2.949
	0.950	4.600	3.739	3.344	3.112	2.958	2.848	2.764	2.699	2.646	2.602	2.565	2.534	2.507	2.484	2.463
	0.900	3.102	2.726	2.522	2.395	2.307	2.243	2.193	2.154	2.122	2.095	2.073	2.054	2.037	2.022	2.010
15	0.990	8.683	6.359	5.417	4.893	4.556	4.318	4.142	4.004	3.895	3.805	3.730	3.666	3.612	3.564	3.522
	0.975	6.200	4.765	4.153	3.804	3.576	3.415	3.293	3.199	3.123	3.060	3.008	2.963	2.925	2.891	2.862
	0.950	4.543	3.682	3.287	3.056	2.901	2.790	2.707	2.641	2.588	2.544	2.507	2.475	2.448	2.424	2.403
	0.900	3.073	2.965	2.490	2.361	2.273	2.208	2.158	2.119	2.086	2.059	2.037	2.017	2.000	1.985	1.972

2,695

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$ (Forts.)

n_2	α	n_1														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	0.990	8.531	6.226	5.292	4.773	4.437	4.202	4.026	3.890	3.780	3.691	3.616	3.553	3.498	3.450	3.409
	0.975	6.115	4.687	4.077	3.729	3.502	3.341	3.219	3.125	3.049	2.986	2.934	2.889	2.851	2.817	2.788
	0.950	4.494	3.634	3.239	3.007	2.852	2.741	2.657	2.591	2.538	2.494	2.456	2.425	2.397	2.373	2.352
	0.900	3.048	2.668	2.462	2.333	2.244	2.178	2.128	2.088	2.055	2.028	2.005	1.985	1.968	1.953	1.940
17	0.990	8.400	6.112	5.185	4.669	4.336	4.102	3.927	3.791	3.682	3.593	3.519	3.455	3.401	3.353	3.312
	0.975	6.042	4.619	4.011	3.665	4.438	3.277	3.156	3.061	2.985	2.922	2.870	2.825	2.786	2.753	2.723
	0.950	4.451	3.592	3.197	2.965	2.810	2.699	2.614	2.548	2.494	2.450	2.413	2.381	2.353	2.329	2.308
	0.900	3.026	2.645	2.437	2.308	2.218	2.152	2.102	2.061	2.028	2.001	1.978	1.958	1.940	1.925	1.912
18	0.990	8.285	6.013	5.092	4.579	4.248	4.015	3.841	3.705	3.597	3.508	3.434	3.371	3.316	3.269	3.227
	0.975	5.978	4.560	3.954	3.608	3.382	3.221	3.100	3.005	2.929	2.866	2.814	2.769	2.730	2.696	2.667
	0.950	4.414	3.555	3.160	2.928	2.773	2.661	2.577	2.510	2.456	2.412	2.374	2.342	2.314	2.290	2.269
	0.900	3.007	2.624	2.416	2.286	2.196	2.130	2.079	2.038	2.005	1.977	1.954	1.933	1.916	1.900	1.887
19	0.990	8.185	5.926	5.010	4.500	4.171	3.939	3.765	3.631	3.523	3.434	3.360	3.297	3.242	3.195	3.153
	0.975	5.922	4.508	3.903	3.559	3.333	3.172	3.051	2.956	2.880	2.817	2.765	2.720	2.681	2.647	2.617
	0.950	4.381	3.522	3.127	2.895	2.740	2.628	2.544	2.477	2.423	2.378	2.340	2.308	2.280	2.256	2.234
	0.900	2.990	2.606	2.397	2.266	2.176	2.109	2.058	2.017	1.984	1.956	1.932	1.912	1.894	1.878	1.865
20	0.990	8.096	5.849	4.938	4.431	4.103	3.871	3.699	3.564	3.457	3.368	3.294	3.231	3.177	3.130	3.088
	0.975	5.871	4.461	3.859	3.515	3.289	3.128	3.007	2.913	2.837	2.774	2.721	2.676	2.637	2.603	2.573
	0.950	4.351	3.493	3.098	2.866	2.711	2.599	2.514	2.447	2.393	2.348	2.310	2.278	2.250	2.225	2.203
	0.900	2.975	2.589	2.380	2.249	2.158	2.091	2.040	1.999	1.965	1.937	1.913	1.892	1.875	1.859	1.845

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$
 (Forts.)

n_2	α	n_1														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
25	0.990	7.770	5.568	4.675	4.177	3.855	3.627	3.457	3.324	3.217	3.129	3.056	2.993	2.939	2.892	2.850
	0.975	5.686	4.291	3.694	3.353	3.129	2.969	2.848	2.753	2.677	2.613	2.560	2.515	2.476	2.441	2.411
	0.950	4.242	3.385	2.991	2.759	2.603	2.490	2.405	2.337	2.282	2.236	2.198	2.165	2.136	2.111	2.089
	0.900	2.918	2.528	2.317	2.184	2.092	2.024	1.971	1.929	1.895	1.866	1.841	1.820	1.802	1.785	1.771
30	0.990	7.562	5.390	4.510	4.018	3.699	3.473	3.304	3.173	3.067	2.979	2.905	2.843	2.789	2.742	2.700
	0.975	5.568	4.182	3.589	3.250	3.026	2.867	2.746	2.651	2.275	2.511	2.458	2.412	2.372	2.338	2.307
	0.950	4.171	3.316	2.922	2.690	2.534	2.421	2.334	2.266	2.211	2.165	2.126	2.092	2.063	2.037	2.015
	0.900	2.881	2.489	2.276	2.142	2.049	1.980	1.927	1.884	1.849	1.819	1.794	1.773	1.754	1.737	1.722
40	0.990	7.314	5.179	4.313	3.828	3.514	3.291	3.124	2.993	2.888	2.801	2.727	2.665	2.611	2.563	2.522
	0.975	5.424	4.051	3.463	3.126	2.904	2.744	2.624	2.529	2.452	2.388	2.334	2.288	2.248	2.213	2.182
	0.950	4.085	3.232	2.839	2.606	2.449	2.336	2.249	2.180	2.124	2.077	2.038	2.003	1.974	1.947	1.924
	0.900	2.835	2.440	2.226	2.091	1.997	1.927	1.873	1.829	1.793	1.763	1.737	1.715	1.695	1.678	1.662
50	0.990	7.171	5.057	4.199	3.720	3.048	3.186	3.020	2.890	2.785	2.698	2.625	2.562	2.508	2.461	2.419
	0.975	5.340	3.975	3.390	3.054	2.833	2.674	2.553	2.458	2.381	2.317	2.263	2.216	2.176	2.140	2.109
	0.950	4.034	3.183	2.790	2.557	2.400	2.286	2.199	2.130	2.073	2.026	1.986	1.952	1.921	1.895	1.871
	0.900	2.809	2.412	2.197	2.061	1.966	1.895	1.840	1.796	1.760	1.729	1.703	1.680	1.660	1.643	1.627
75	0.990	6.985	4.900	4.054	3.580	3.272	3.052	2.887	2.758	2.653	2.567	2.494	2.431	2.377	2.329	2.287
	0.975	5.232	3.876	3.296	2.962	2.741	2.582	2.461	2.366	2.289	2.224	2.170	2.123	2.082	2.046	2.014
	0.950	3.969	3.119	2.727	2.494	2.337	2.222	2.134	2.064	2.007	1.959	1.919	1.887	1.853	1.826	1.802
	0.900	2.774	2.375	2.158	2.021	1.926	1.854	1.799	1.754	1.716	1.685	1.658	1.635	1.614	1.596	1.580

 Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$
 (Forts.)

n_2	α	n_1														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
100	0.990	6.895	4.824	3.984	3.513	3.206	2.988	2.823	2.694	2.590	2.503	2.430	2.367	2.313	2.265	2.223
	0.975	5.179	3.828	3.250	2.917	2.696	2.537	2.417	2.321	2.244	2.179	2.124	2.077	2.036	2.000	1.968
	0.950	3.936	3.087	2.696	2.463	2.305	2.191	2.103	2.032	1.975	1.927	1.886	1.850	1.819	1.792	1.768
	0.900	2.756	2.356	2.139	2.002	1.906	1.834	1.778	1.732	1.695	1.663	1.636	1.612	1.592	1.573	1.557
150	0.990	6.807	4.750	3.915	3.447	3.142	2.924	2.761	2.632	2.528	2.441	2.368	2.305	2.251	2.203	2.160
	0.975	5.126	3.781	3.204	2.872	2.652	2.494	2.373	2.278	2.200	2.135	2.080	2.033	1.991	1.955	1.922
	0.950	3.904	3.056	2.665	2.432	2.275	2.160	2.071	2.001	1.943	1.894	1.853	1.817	1.786	1.758	1.734
	0.900	2.739	2.338	2.121	1.983	1.886	1.814	1.757	1.712	1.674	1.642	1.614	1.590	1.569	1.550	1.533
200	0.990	6.763	4.713	3.881	3.414	3.110	2.893	2.730	2.601	2.497	2.411	2.338	2.275	2.220	2.172	2.129
	0.975	5.100	3.758	3.182	2.850	2.630	2.472	2.351	2.256	2.178	2.113	2.058	2.010	1.969	1.932	1.900
	0.950	3.888	3.041	2.650	2.417	2.259	2.144	2.056	1.985	1.927	1.878	1.837	1.801	1.769	1.742	1.717
	0.900	2.731	2.329	2.111	1.973	1.876	1.804	1.747	1.701	1.663	1.631	1.603	1.579	1.558	1.539	1.522
500	0.990	6.686	4.648	3.821	3.357	3.054	2.838	2.675	2.547	2.443	2.357	2.283	2.220	2.166	2.117	2.075
	0.975	5.054	3.716	3.142	2.811	2.592	2.434	2.313	2.217	2.139	2.074	2.019	1.971	1.929	1.892	1.859
	0.950	3.860	3.014	2.623	2.390	2.232	2.117	2.028	1.957	1.899	1.850	1.808	1.772	1.740	1.712	1.686
	0.900	2.716	2.313	2.095	1.956	1.859	1.786	1.729	1.683	1.644	1.612	1.584	1.559	1.537	1.518	1.501
∞	0.990	6.635	4.605	3.782	3.319	3.017	2.802	2.639	2.511	2.407	2.321	2.248	2.185	2.130	2.081	2.039
	0.975	5.024	3.689	3.116	2.786	2.567	2.408	2.288	2.192	2.114	2.048	1.993	1.945	1.903	1.866	1.833
	0.950	3.841	2.996	2.605	2.372	2.214	2.099	2.010	1.938	1.880	1.831	1.789	1.752	1.720	1.692	1.666
	0.900	2.706	2.303	2.084	1.945	1.847	1.774	1.717	1.670	1.632	1.599	1.571	1.546	1.524	1.505	1.487

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$
(Forts.)

n_2	α	n_1														
		16	17	18	19	20	25	30	40	50	75	100	150	200	500	∞
1	0.990	6170	6181	6192	6201	6209	6340	6261	6287	6303	6324	6334	6345	6350	6359	6366
	0.975	986.9	988.7	990.3	991.8	993.1	998.1	1001	1006	1008	1011	1013	1015	1016	1017	1018
	0.950	246.5	246.9	247.3	247.7	248.0	249.3	250.1	251.1	251.8	252.6	253.0	253.5	253.7	254.1	254.3
	0.900	61.35	61.46	61.57	61.66	61.74	62.06	62.26	62.53	62.69	62.69	63.01	63.12	63.17	63.26	63.33
2	0.990	99.44	99.44	99.44	99.45	99.45	99.46	99.47	99.47	99.48	99.48	99.49	99.49	99.49	99.50	99.50
	0.975	39.44	39.44	39.44	39.45	39.45	39.46	39.46	39.47	39.48	39.49	39.49	39.49	39.49	39.50	39.50
	0.950	19.43	19.44	19.44	19.44	19.45	19.46	19.46	19.47	19.48	19.48	19.49	19.49	19.49	19.49	19.50
	0.900	9.429	9.433	9.436	9.439	9.441	9.451	9.458	9.466	9.471	9.478	9.481	9.485	9.486	9.489	9.491
3	0.990	26.83	26.79	26.75	26.72	26.69	26.58	26.50	26.41	26.35	26.28	26.24	26.20	26.18	26.15	26.13
	0.975	14.23	14.21	14.20	14.18	14.17	14.12	14.08	14.04	14.01	13.97	13.96	13.94	13.93	13.91	13.90
	0.950	8.692	8.683	8.675	8.667	8.660	8.634	8.617	8.594	8.581	8.563	8.554	8.545	8.540	8.832	8.526
	0.900	5.196	5.193	5.190	5.187	5.184	5.175	5.168	5.160	5.155	5.148	5.144	5.141	5.139	5.136	5.134
4	0.990	14.15	14.11	14.08	14.05	14.02	13.91	13.84	13.75	13.69	13.62	13.58	13.54	13.52	13.49	13.46
	0.975	8.633	8.611	8.592	8.575	8.560	8.501	8.461	8.411	8.381	8.340	8.319	8.299	8.289	8.270	8.257
	0.950	5.844	5.832	5.821	5.811	5.803	5.769	5.746	5.717	5.699	5.676	5.664	5.652	5.646	5.635	5.628
	0.900	3.864	3.858	3.853	3.849	3.844	3.828	3.817	3.804	3.795	3.784	3.778	3.772	3.769	3.764	3.761
5	0.990	9.680	9.643	9.610	9.580	9.553	9.449	9.379	9.291	9.238	9.166	9.130	9.094	9.075	9.042	9.020
	0.975	6.403	6.381	6.362	6.344	6.329	6.268	6.227	6.175	6.144	6.101	6.080	6.059	6.048	6.028	6.015
	0.950	4.604	4.590	4.578	4.568	4.558	4.521	4.496	4.464	4.444	4.418	4.405	4.392	4.385	4.373	4.365
	0.900	3.230	3.223	3.217	3.212	3.207	3.187	3.174	3.157	3.147	3.133	3.126	3.119	3.116	3.109	3.105

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$
(Forts.)

n_2	α	n_1														
		16	17	18	19	20	25	30	40	50	75	100	150	200	500	∞
6	0.990	7.519	7.843	7.451	7.422	7.396	7.296	7.229	7.143	7.091	7.022	6.987	6.951	6.934	6.902	6.880
	0.975	5.244	5.222	5.202	5.184	5.168	5.107	5.065	5.012	4.980	4.937	4.915	4.894	4.882	4.863	4.849
	0.950	3.922	3.908	3.896	3.884	3.874	3.774	3.808	3.774	3.754	3.726	3.712	3.698	3.690	3.677	3.669
	0.900	2.863	2.855	2.848	2.842	2.836	2.815	2.800	2.781	2.770	2.754	2.746	2.738	2.734	2.727	2.722
7	0.990	6.275	6.240	6.209	6.181	6.155	6.058	5.992	5.908	5.858	5.789	5.755	5.720	5.702	5.671	5.650
	0.975	4.543	4.521	4.501	4.483	4.467	4.405	4.362	4.309	4.276	4.232	4.210	4.188	4.176	4.156	4.142
	0.950	3.494	3.480	3.467	3.455	3.445	3.404	3.376	3.340	3.319	3.290	3.275	3.260	3.252	3.239	3.230
	0.900	2.623	2.615	2.607	2.601	2.595	2.571	2.555	2.535	2.523	2.506	2.497	2.489	2.484	2.476	2.471
8	0.990	5.477	5.442	5.412	5.384	5.359	5.263	5.198	5.116	5.065	4.998	4.963	4.929	4.911	4.880	4.859
	0.975	4.076	4.054	4.034	4.016	3.999	3.937	3.894	3.840	3.807	3.762	3.739	3.717	3.705	3.684	3.670
	0.950	3.202	3.187	3.173	3.161	3.150	3.108	3.079	3.043	3.020	2.990	2.975	2.959	2.951	2.937	2.928
	0.900	2.455	2.446	2.438	2.431	2.425	2.400	2.383	2.361	2.348	2.330	2.321	2.312	2.307	2.298	2.293
9	0.990	4.924	4.890	4.860	4.833	4.808	4.713	4.649	4.567	4.517	4.449	4.415	4.381	4.363	4.332	4.311
	0.975	3.744	3.722	3.701	3.683	3.667	3.604	3.560	3.505	3.472	3.427	3.403	3.380	3.368	3.347	3.333
	0.950	2.989	2.974	2.960	2.648	2.936	2.826	2.864	2.826	2.803	2.772	2.576	2.739	2.731	2.717	2.707
	0.900	2.329	2.320	2.312	2.305	2.298	2.272	2.255	2.232	2.218	2.199	2.189	2.179	2.174	2.165	2.159
10	0.990	4.520	4.487	4.457	4.430	4.405	4.311	4.247	4.165	4.155	4.048	4.014	3.979	3.962	3.930	3.909
	0.975	3.496	3.474	3.453	3.435	3.419	3.355	3.311	3.255	3.221	3.175	3.152	3.128	3.116	3.094	3.080
	0.950	2.828	2.812	2.798	2.785	2.774	2.730	2.700	2.661	2.637	2.605	2.588	2.572	2.563	2.548	2.538
	0.900	2.233	2.224	2.215	2.208	2.201	2.174	2.155	2.132	2.117	2.097	2.087	2.077	2.071	2.062	2.055

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$
(Forts.)

n_2	α	n_1														
		16	17	18	19	20	25	30	40	50	75	100	150	200	500	∞
11	0.990	4.213	4.180	4.150	4.123	4.099	4.005	3.941	3.860	3.810	3.742	3.708	3.673	3.656	3.624	3.602
	0.975	3.304	3.282	3.261	3.243	3.226	3.162	3.118	3.061	3.027	2.980	2.956	2.932	2.920	2.898	2.883
	0.950	2.701	2.685	2.671	2.658	2.646	2.601	2.570	2.531	2.507	2.474	2.457	2.439	2.431	2.415	2.404
	0.900	2.156	2.147	2.138	2.130	2.123	2.095	2.076	2.052	2.036	2.016	2.005	1.994	1.989	1.983	1.972
12	0.990	3.972	3.939	3.909	3.883	3.858	3.765	3.701	3.619	3.569	3.501	3.467	3.432	3.414	3.382	3.361
	0.975	3.152	3.129	3.108	3.090	3.073	3.008	2.963	2.906	2.871	2.824	2.800	2.775	2.763	2.740	2.725
	0.950	2.599	2.583	2.568	2.555	2.544	2.498	2.466	2.426	2.401	2.367	2.350	2.332	2.323	2.307	2.296
	0.900	2.094	2.084	2.075	2.067	2.060	2.031	2.011	1.986	1.970	1.949	1.938	1.927	1.921	1.911	1.904
13	0.990	3.778	3.745	3.716	3.689	3.665	3.571	3.507	3.425	3.375	3.307	3.272	3.237	3.219	3.187	3.165
	0.975	3.027	3.004	2.983	2.965	2.948	2.882	2.837	2.780	2.744	2.696	2.671	2.647	2.634	2.611	2.595
	0.950	2.515	2.499	2.484	2.471	2.459	2.412	2.380	2.339	2.314	2.279	2.261	2.243	2.234	2.218	2.206
	0.900	2.042	2.032	2.023	2.014	2.007	1.978	1.958	1.931	1.915	1.893	1.882	1.870	1.864	1.854	1.846
14	0.990	3.619	3.586	3.556	3.529	3.505	3.412	3.348	3.266	3.215	3.147	3.112	3.076	3.059	3.026	3.004
	0.975	2.923	2.900	2.879	2.861	2.844	2.778	2.732	2.674	2.638	2.590	2.565	2.539	2.526	2.503	2.487
	0.950	2.445	2.428	2.413	2.400	2.388	2.341	2.308	2.266	2.241	2.205	2.187	2.169	2.159	2.142	2.131
	0.900	1.998	1.988	1.978	1.970	1.962	1.933	1.912	1.885	1.869	1.846	1.834	1.822	1.816	1.805	1.797
15	0.990	3.485	3.452	3.423	3.396	3.372	3.278	3.214	3.132	3.081	3.013	2.977	2.942	2.923	2.891	2.868
	0.975	2.836	2.813	2.792	2.773	2.756	2.689	2.644	2.585	2.549	2.499	2.474	2.448	2.435	2.411	2.395
	0.950	2.385	2.368	2.353	2.340	2.328	2.280	2.247	2.204	2.178	2.142	2.123	2.105	2.095	2.078	2.066
	0.900	1.961	1.950	1.941	1.932	1.924	1.894	1.873	1.845	1.828	1.805	1.793	1.781	1.774	1.763	1.755

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$
(Forts.)

n_2	α	n_1														
		16	17	18	19	20	25	30	40	50	75	100	150	200	500	∞
16	0.990	3.372	3.339	3.310	3.283	3.259	3.165	3.101	3.018	2.967	2.898	2.863	2.827	2.808	2.775	2.753
	0.975	2.761	2.738	2.717	2.698	2.681	2.614	2.568	2.509	2.472	2.422	2.396	2.370	2.357	2.333	2.316
	0.950	2.333	2.317	2.302	2.288	2.276	2.227	2.194	2.151	2.124	2.087	2.068	2.049	2.039	2.022	2.010
	0.900	1.928	1.917	1.908	1.899	1.891	1.860	1.839	1.811	1.793	1.769	1.757	1.744	1.738	1.726	1.718
17	0.990	3.275	3.242	3.212	3.186	3.162	3.068	3.003	2.920	2.869	2.800	2.764	2.728	2.709	2.676	2.653
	0.975	2.697	2.673	2.652	2.633	2.616	2.548	2.502	2.442	2.405	2.355	2.329	2.302	2.289	2.264	2.247
	0.950	2.289	2.272	2.257	2.243	2.230	2.181	2.148	2.104	2.077	2.040	2.020	2.001	1.991	1.973	1.960
	0.900	1.900	1.889	1.879	1.870	1.862	1.831	1.809	1.781	1.763	1.738	1.726	1.713	1.706	1.694	1.686
18	0.990	3.190	3.158	3.128	3.101	3.077	2.983	2.919	2.835	2.784	2.714	2.678	2.641	2.623	2.589	2.566
	0.975	2.640	2.617	2.596	2.576	2.559	2.491	2.444	2.384	2.347	2.296	2.269	2.242	2.229	2.204	2.187
	0.950	2.250	2.233	2.217	2.203	2.191	2.141	2.107	2.063	2.035	1.998	1.978	1.958	1.948	1.929	1.917
	0.900	1.875	1.864	1.854	1.845	1.837	1.805	1.783	1.754	1.736	1.711	1.698	1.684	1.678	1.665	1.657
19	0.990	3.116	3.084	3.054	3.027	3.003	2.909	2.844	2.761	2.709	2.639	2.602	2.565	2.547	2.512	2.489
	0.975	2.591	2.567	2.546	2.526	2.509	2.441	2.394	2.333	2.295	2.243	2.217	2.190	2.176	2.150	2.133
	0.950	2.215	2.198	2.182	2.168	2.155	2.106	2.071	2.026	1.999	1.960	1.940	1.920	1.910	1.891	1.878
	0.900	1.852	1.841	1.831	1.822	1.814	1.782	1.759	1.730	1.711	1.686	1.673	1.659	1.652	1.639	1.631
20	0.990	3.051	3.018	2.989	2.962	2.938	2.843	2.778	2.695	2.643	2.572	2.535	2.498	2.479	2.445	2.421
	0.975	2.547	2.523	2.501	2.482	2.464	2.396	2.349	2.287	2.249	2.197	2.170	2.142	2.128	2.103	2.085
	0.950	2.184	2.167	2.151	2.137	2.124	2.074	2.039	1.994	1.966	1.927	1.907	1.886	1.875	1.856	1.843
	0.900	1.833	1.821	1.811	1.802	1.794	1.761	1.738	1.708	1.690	1.664	1.650	1.636	1.629	1.616	1.607

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$
(Forts.)

n_2	α	n_1														
		16	17	18	19	20	25	30	40	50	75	100	150	200	500	∞
25	0.990	2.813	2.780	2.751	2.724	2.699	2.604	2.583	2.453	2.400	2.327	2.289	2.250	2.230	2.200	2.176
	0.975	2.384	2.360	2.338	2.318	2.300	2.230	2.182	2.118	2.079	2.024	1.996	1.966	1.952	1.926	1.908
	0.950	2.069	2.051	2.035	2.021	2.007	1.955	1.919	1.872	1.842	1.801	1.779	1.757	1.746	1.726	1.712
	0.900	1.758	1.746	1.736	1.726	1.718	1.683	1.659	1.627	1.607	1.579	1.565	1.549	1.542	1.527	1.517
30	0.990	2.663	2.630	2.600	2.573	2.549	2.453	2.386	2.299	2.245	2.170	2.131	2.091	2.070	2.032	2.006
	0.975	2.280	2.255	2.233	2.213	2.195	2.124	2.074	2.009	1.968	1.911	1.882	1.851	1.835	1.807	1.787
	0.950	1.995	1.976	1.960	1.945	1.932	1.878	1.841	1.792	1.761	1.718	1.695	1.672	1.660	1.638	1.622
	0.900	1.709	1.697	1.686	1.676	1.667	1.632	1.606	1.573	1.552	1.523	1.507	1.491	1.482	1.467	1.456
40	0.990	2.484	2.451	2.421	2.394	2.369	2.271	2.203	2.114	2.058	1.980	1.938	1.896	1.874	1.833	1.805
	0.975	2.154	2.129	2.107	2.086	2.068	1.994	1.943	1.875	1.832	1.772	1.741	1.708	1.691	1.659	1.637
	0.950	1.904	1.885	1.868	1.853	1.839	1.783	1.744	1.693	1.660	1.614	1.589	1.564	1.551	1.526	1.509
	0.900	1.649	1.636	1.625	1.615	1.605	1.568	1.541	1.506	1.483	1.451	1.434	1.416	1.406	1.389	1.377
50	0.990	2.382	2.348	2.318	2.290	2.265	2.167	2.098	2.007	1.949	1.868	1.825	1.780	1.757	1.713	1.683
	0.975	2.081	2.056	2.033	2.012	1.993	1.919	1.866	1.796	1.752	1.689	1.656	1.621	1.603	1.569	1.545
	0.950	1.850	1.831	1.814	1.798	1.784	1.727	1.687	1.634	1.599	1.551	1.525	1.498	1.484	1.457	1.438
	0.900	1.613	1.600	1.588	1.578	1.568	1.529	1.502	1.465	1.441	1.407	1.388	1.369	1.359	1.340	1.327
75	0.990	2.249	2.216	2.185	2.157	2.132	2.031	1.960	1.866	1.806	1.720	1.674	1.625	1.599	1.551	1.419
	0.975	1.986	1.960	1.937	1.916	1.896	1.819	1.765	1.692	1.645	1.578	1.542	1.503	1.483	1.444	1.345
	0.950	1.780	1.761	1.743	1.727	1.712	1.653	1.611	1.555	1.518	1.466	1.437	1.407	1.391	1.360	1.283
	0.900	1.565	1.552	1.540	1.529	1.519	1.478	1.449	1.410	1.384	1.347	1.326	1.304	1.293	1.270	1.214

Tabelle 7: Quantile der F-Verteilung mit (n_1, n_2) Freiheitsgraden $F_{n_1, n_2; \alpha}$
(Forts.)

n_2	α	n_1														
		16	17	18	19	20	25	30	40	50	75	100	150	200	500	∞
100	0.990	2.185	2.151	2.120	2.092	2.067	1.965	1.893	1.797	1.735	1.646	1.598	1.546	1.518	1.466	1.427
	0.975	1.939	1.913	1.890	1.868	1.849	1.770	1.715	1.640	1.592	1.522	1.483	1.442	1.420	1.378	1.347
	0.950	1.746	1.726	1.708	1.691	1.676	1.616	1.573	1.515	1.477	1.422	1.392	1.359	1.342	1.308	1.283
	0.900	1.542	1.528	1.516	1.505	1.494	1.453	1.423	1.382	1.355	1.315	1.293	1.270	1.257	1.232	1.214
150	0.990	2.122	2.088	2.057	2.029	2.003	1.900	1.827	1.729	1.665	1.572	1.520	1.465	1.435	1.376	1.331
	0.975	1.893	1.867	1.843	1.821	1.801	1.722	1.665	1.588	1.538	1.464	1.423	1.379	1.355	1.307	1.271
	0.950	1.711	1.691	1.673	1.656	1.641	1.580	1.535	1.475	1.436	1.377	1.345	1.309	1.290	1.252	1.222
	0.900	1.518	1.505	1.492	1.480	1.470	1.427	1.396	1.353	1.325	1.283	1.260	1.234	1.219	1.191	1.169
200	0.990	2.091	2.057	2.026	1.997	1.971	1.868	1.794	1.694	1.629	1.534	1.481	1.423	1.391	1.328	1.279
	0.975	1.870	1.844	1.820	1.798	1.778	1.698	1.640	1.562	1.511	1.435	1.393	1.346	1.320	1.269	1.229
	0.950	1.694	1.674	1.656	1.639	1.623	1.561	1.516	1.455	1.415	1.354	1.321	1.283	1.263	1.221	1.189
	0.900	1.507	1.493	1.480	1.468	1.458	1.414	1.383	1.339	1.310	1.267	1.242	1.214	1.199	1.168	1.144
500	0.990	2.036	2.002	1.970	1.942	1.915	1.812	1.735	1.633	1.566	1.465	1.408	1.344	1.308	1.232	1.164
	0.975	1.830	1.803	1.779	1.757	1.736	1.655	1.596	1.515	1.462	1.381	1.336	1.284	1.254	1.192	1.137
	0.950	1.664	1.643	1.625	1.607	1.592	1.528	1.482	1.419	1.376	1.312	1.275	1.233	1.210	1.159	1.113
	0.900	1.485	1.471	1.458	1.446	1.435	1.391	1.358	1.313	1.282	1.236	1.209	1.178	1.160	1.122	1.087
∞	0.990	2.000	1.965	1.934	1.905	1.878	1.774	1.696	1.592	1.523	1.413	1.358	1.288	1.247	1.153	1.000
	0.975	1.803	1.776	1.752	1.729	1.708	1.626	1.588	1.484	1.428	1.340	1.296	1.239	1.205	1.128	1.000
	0.950	1.644	1.623	1.604	1.587	1.571	1.506	1.476	1.394	1.350	1.279	1.243	1.197	1.170	1.106	1.000
	0.900	1.471	1.457	1.444	1.432	1.421	1.375	1.342	1.295	1.263	1.654	1.850	1.151	1.130	1.082	1.000