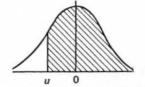


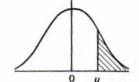
Table 4 AREAS OF THE STANDARDISED NORMAL DISTRIBUTION

The function tabulated is $\frac{1}{\sqrt{2\pi}} \int_{u}^{\infty} e^{-x^{2}/2} dx$, the probability that U > u, where $U \sim N(0,1)$.



-0.09	-0.08	-0.07	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01	-0.00	
0.99997	0.99997	0.99996	0.99996	0.99996	0.99996	0.99996	0.99996	0.99995	0.99995	-3.9
0.99995	0.99995	0.99995	0.99994	0.99994	0.99994	0.99994	0.99993	0.99993	0.99993	-3.8
0.99992	0.99992	0.99992	0.99992	0.99991	0.99991	0.99990	0.99990	0.99990	0.99989	-3.7
0.99989	0.99988	0.99988	0.99987	0.99987	0.99986	0.99986	0.99985	0.99985	0.99984	-3.6
0.99983	0.99983	0.99982	0.99981	0.99981	0.99980	0.99979	0.99978	0.99978	0.99977	-3.9
0.99976	0.99975	0.99974	0.99973	0.99972	0.99971	0.99970	0.99969	0.99968	0.99966	-3.
0.99965	0.99964	0.99962	0.99961	0.99960	0.99958	0.99957	0.99955	0.99953	0.99952	-3.3
0.99950	0.99948	0.99946	0.99944	0.99942	0.99940	0.99938	0.99936	0.99934	0.99931	-3.3
0.99929	0.99926	0.99924	0.99921	0.99918	0.99916	0.99913	0.99910	0.99906	0.99903	-3.
0.99900	0.99896	0.99893	0.99889	0.99886	0.99882	0.99878	0.99874	0.99869	0.99865	-3.0
0.99861	0.99856	0.99851	0.99846	0.99841	0.99836	0.99831	0,99825	0.99819	0.99813	-2.9
0.99807	0.99801	0.99795	0.99788	0.99781	0.99774	0.99767	0.99760	0.99752	0.99744	-2.1
0.99736	0.99728	0.99720	0.99711	0.99702	0.99693	0.99683	0.99674	0.99664	0.99653	-2.
0.99643	0.99632	0.99621	0.99609	0.99598	0.99585	0.99573	0.99560	0.99547	0.99534	-2.
0.99520	0.99506	0.99492	0.99477	0.99461	0.99446	0.99430	0.99413	0.99396	0.99379	-2.
0.99361	0.99343	0.99324	0.99305	0.99286	0.99266	0.99245	0.99224	0.99202	0.99180	-2.
0.99158	0.99134	0.99111	0.99086	0.99061	0.99036	0.99010	0.98983	0.98956	0.98928	-2.
0.98899	0.98870	0.98840	0.98809	0.98778	0.98745	0.98713	0.98679	0.98645	0.98610	-2.
0.98574	0.98537	0.98500	0.98461	0.98422	0.98382	0.98341	0.98300	0.98257	0.98214	-2.
0.98169	0.98124	0.98077	0.98030	0.97982	0.97932	0.97882	0.97831	0.97778	0.97725	-2.0
0.97670	0.97615	0.97558	0.97500	0.97441	0.97381	0.97320	0.97257	0.97193	0.97128	-1.5
0.97062	0.96995	0.96926	0.96856	0.96784	0.96712	0.96638	0.96562	0.96485	0.96407	-1.
0.96327	0.96246	0.96164	0.96080	0.95994	0.95907	0.95818	0.95728	0.95637	0.95543	-1.
0.95449	0.95352	0.95254	0.95154	0.95053	0.94950	0.94845	0.94738	0.94630	0.94520	-1.0
0.94408	0.94295	0.94179	0.94062	0.93943	0.93822	0,93699	0.93574	0.93448	0.93319	-1.5
0.93189	0.93056	0.92922	0.92785	0.92647	0.92507	0.92364	0.92220	0.92073	0.91924	-1.
0.91774	0.91621	0.91466	0.91308	0.91149	0.90988	0.90824	0.90658	0.90490	0.90320	-1.
0.90147	0.89973	0.89796	0.89617	0.89435	0.89251	0.89065	0.88877	0.88686	0.88493	-1.3
0.88298	0.88100	0.87900	0.87698	0.87493	0.87286	0.87076	0.86864	0.86650	0.86433	-1.
0.86214	0.85993	0.85769	0.85543	0.85314	0.85083	0.84850	0.84614	0.84375	0.84134	-1.0
0.83891	0.83646	0.83398	0.83147	0.82894	0.82639	0.82381	0.82121	0.81859	0.81594	-0.
0.81327	0.81057	0.80785	0.80511	0.80234	0.79955	0.79673	0.79389	0.79103	0.78814	-0,
0.78524	0.78230	0.77935	0.77637	0.77337	0.77035	0.76731	0.76424	0.76115	0.75804	-0.
0.75490	0.75175	0.74857	0.74537	0.74215	0.73891	0.73565	0.73237	0.72907	0.72575	-0.
0.72240	0.71904	0.71566	0.71226	0.70884	0.70540	0.70194	0.69847	0.69497	0.69146	-0.
0.68793	0.68439	0.68082	0.67724	0.67364	0.67003	0.66640	0.66276	0.65910	0.65542	-0.
0.65173	0.64803	0.64431	0.64058	0.63683	0.63307	0.62930	0.62552	0.62172	0.61791	-0.
0.61409	0.61026	0.60642	0.60257	0.59871	0.59483	0.59095	0.58706	0.58317	0.57926	-0.
0.57535	0.57142	0.56750	0.56356	0.55962	0.55567	0.55172	0.54776	0.54380	0.53983	-0,
0.53586	0.53188	0.52790	0.52392	0.51994	0.51595	0.51197	0.50798	0.50399	0.50000	-0.

The function tabulated is $\frac{1}{\sqrt{2\pi}} \int_{u}^{\infty} e^{-x^2/2} dx$,

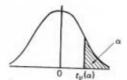


the probability that U > u, where $U \sim N(0,1)$.

и	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	80,0	0.09
0.0	0.50000	0.49601	0.49202	0.48803	0.48405	0.48006	0.47608	0,47210	0.46812	0.46414
0.1	0.46017	0.45620	0.45224	0.44828	0.44433	0.44038	0.43644	0.43250	0.42858	0.42465
0.2	0.42074	0.41683	0.41294	0,40905	0.40517	0.40129	0.39743	0.39358	0.38974	0.38591
0.3	0.38209	0.37828	0.37448	0.37070	0.36693	0.36317	0.35942	0.35569	0.35197	0.34827
0.4	0.34458	0.34090	0.33724	0.33360	0.32997	0.32636	0.32276	0.31918	0.31561	0.31207
0.5	0.30854	0.30503	0.30153	0.29806	0.29460	0.29116	0.28774	0.28434	0.28096	0.27760
0.6	0.27425	0.27093	0.26763	0.26435	0.26109	0.25785	0.25463	0.25143	0.24825	0.24510
0.7	0.24196	0.23885	0.23576	0.23269	0.22965	0.22663	0.22363	0.22065	0.21770	0.21476
8.0	0.21186	0.20897	0.20611	0.20327	0.20045	0.19766	0.19489	0.19215	0.18943	0.18673
0.9	0.18406	0.18141	0.17879	0.17619	0.17361	0.17106	0.16853	0.16602	0.16354	0.16109
1.0	0.15866	0,15625	0.15386	0.15150	0.14917	0.14686	0.14457	0.14231	0.14007	0.13786
1.1	0.13567	0.13350	0.13136	0.12924	0.12714	0.12507	0.12302	0.12100	0.11900	0.11702
1.2	0.11507	0.11314	0.11123	0.10935	0.10749	0.10565	0.10383	0.10204	0.10027	0.09853
1.3	0.09680	0.09510	0.09342	0.09176	0.09012	0.08851	0.08692	0.08534	0.08379	0,08226
1.4	0.08076	0.07927	0.07780	0.07636	0.07493	0.07353	0.07215	0.07078	0.06944	0.06811
1.5	0.06681	0.06552	0.06426	0.06301	0.06178	0.06057	0.05938	0.05821	0.05705	0.05592
1.6	0.05480	0.05370	0.05262	0.05155	0.05050	0.04947	0.04846	0.04746	0.04648	0.04551
1.7	0.04457	0.04363	0.04272	0.04182	0.04093	0.04006	0.03920	0.03836	0.03754	0.03673
1.8	0.03593	0.03515	0.03438	0.03362	0.03288	0.03216	0.03144	0.03074	0.03005	0,02938
1.9	0.02872	0.02807	0.02743	0.02680	0.02619	0.02559	0.02500	0.02442	0.02385	0.02330
2.0	0.02275	0.02222	0.02169	0.02118	0.02068	0.02018	0.01970	0.01923	0.01876	0.01831
2.1	0.01786	0.01743	0.01700	0.01659	0.01618	0.01578	0.01539	0.01500	0.01463	0,01426
2.2	0.01390	0.01355	0.01321	0.01287	0.01255	0.01222	0.01191	0.01160	0.01130	0.01101
2.3	0.01072	0.01044	0.01017	0.00990	0.00964	0.00939	0.00914	0.00889	0.00866	0.00842
2.4	0.00820	0.00798	0.00776	0.00755	0.00734	0.00714	0.00695	0.00676	0.00657	0,00639
2.5	0.00621	0.00604	0.00587	0.00570	0.00554	0.00539	0.00523	0.00508	0.00494	0.00480
2.6	0.00466	0.00453	0.00440	0.00427	0.00415	0.00402	0.00391	0.00379	0.00368	0.00357
2.7	0.00347	0.00336	0.00326	0.00317	0.00307	0.00298	0.00289	0.00280	0.00272	0.00264
2.8	0.00256	0.00248	0.00240	0.00233	0.00226	0.00219	0.00212	0.00205	0.00199	0.00193
2.9	0.00187	0.00181	0.00175	0.00169	0.00164	0.00159	0.00154	0.00149	0.00144	0.00139
3.0	0.00135	0.00131	0.00126	0.00122	0.00118	0.00114	0.00111	0.00107	0.00104	0.00100
3.1	0.00097	0.00094	0.00090	0.00087	0.00084	0.00082	0.00079	0.00076	0.00074	0.00071
3.2	0.00069	0.00066	0.00064	0.00062	0.00060	0.00058	0.00056	0.00054	0.00052	0.00050
3.3	0.00048	0.00047	0.00045	0.00043	0.00042	0.00040	0,00039	0.00038	0.00036	0.00035
3.4	0.00034	0.00032	0.00031	0.00030	0.00029	0.00028	0,00027	0.00026	0.00025	0.00024
3.5	0.00023	0.00022	0.00022	0.00021	0.00020	0.00019	0.00019	0.00018	0.00017	0.00017
3.6	0.00016	0.00015	0.00015	0.00014	0.00014	0.00013	0.00013	0.00012	0.00012	0.00011
3.7	0.00011	0.00010	0.00010	0.00010	0.00009	0.00009	0.00008	0.00008	0.00008	0.00008
3.8	0.00007	0.00007	0.00007	0.00006	0.00006	0.00006	0,00006	0.00005	0.00005	0.00000
3.9	0.00005	0.00005	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00003	0.00003

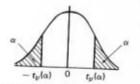
Table 7 PERCENTAGE POINTS OF THE t DISTRIBUTION

ONE-SIDED TEST



 $Pr(T_{\nu} > t_{\nu}(\alpha)) = \alpha$, for ν degrees of freedom.

TWO-SIDED TEST

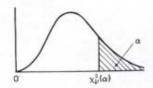


 $\Pr(T_{\nu} > t_{\nu}(\alpha) \text{ or } T_{\nu} < -t_{\nu}(\alpha)) = 2\alpha,$ for ν degrees of freedom.

ν	$\alpha = 0.4$ $2\alpha = 0.8$	0.25 0.5	0.1 0.2	0.05	0.025 0.05	0.01 0.02	0.005 0.01	0.0025 0.005	0.001 0.002	0.000
1	0.325	1.000	3.078	6.314	12,706	31.821	62.057	407.004	-	
2	0.289	0.816	1.886	2.920	4.303	6.965	63.657	127,321	318,309	636.61
3	0.277	0.765	1.638	2.353	3.182	4.541	9.925	14.089	22.327	31.59
4	0.271	0.741	1.533	2.132	2.776	3.747	5.841	7.453	10.215	12.92
5	0.267	0.727	1.476				4.604	5.598	7.173	8.61
6	0.265	0.718	1.440	2.015	2.571	3.365	4.032	4.773	5.893	6.86
7	0.263	0.711	1,440	1.943	2.447	3.143	3.707	4.317	5.208	5,95
8	0.262	0.706		1.895	2.365	2.998	3.499	4.029	4.785	5.40
9	0.261	0.703	1.397	1.860	2.306	2.896	3.355	3.833	4.501	5.04
			1.383	1.833	2.262	2.821	3.250	3.690	4.297	4.78
10	0.260	0.700	1.372	1.812	2,228	2.764	3.169			
11	0.260	0.697	1.363	1.796	2.201	2.718	3.106	3.581	4.144	4.58
12	0.259	0.695	1.356	1,782	2.179	2.681	3.055	3.497	4.025	4.43
13	0.259	0.694	1.350	1.771	2.160	2.650	3.012	3.428	3.930	4.318
14	0.258	0.692	1.345	1.761	2,145	2.624	2.977	3.372	3.852	4.221
15	0.258	0.691	1.341	1.753				3.326	3.787	4.140
16	0.258	0.690	1.337	1.746	2.131	2.602	2.947	3.286	3.733	4.073
17	0.257	0.689	1,333	1,740	2.120	2.583	2.921	3.252	3.686	4.015
18	0.257	0.688	1.330		2.110	2.567	2.898	3.222	3.646	3.965
19	0.257	0.688	1.328	1.734	2.101	2,552	2.878	3.197	3.610	3.922
20				1.729	2.093	2.539	2.861	3,174	3.579	3.883
21	0.257	0.687	1.325	1.725	2.086	2.528	2.845	3.153		
22	0.257	0.686	1.323	1.721	2.080	2.518	2.831	3.135	3.552	3.850
23	0.256	0.686	1.321	1.717	2.074	2,508	2.819	3,119	3.527	3.819
	0.256	0.685	1.319	1.714	2.069	2.500	2,807	3.104	3,505	3.792
24	0.256	0.685	1.318	1.711	2.064	2.492	2.797	3.091	3.485	3.768
25	0.256	0.684	1.316	1.708				3.091	3.467	3.745
26	0.256	0.684	1.315	1.706	2.060	2.485	2.787	3.078	3.450	3.725
27	0.256	0.684	1.314		2.056	2.479	2.779	3.067	3.435	3.707
28	0.256	0.683	1.313	1.703	2.052	2.473	2.771	3.057	3.421	3.690
29	0.256	0.683	1.311	1.701	2.048	2.467	2.763	3.047	3.408	3.674
				1.699	2.045	2.462	2.756	3.038	3.396	3.659
30	0.256	0.683	1.310	1.697	2,042	2.457	2.750	3.030		
10	0.255	0.681	1.303	1.684	2.021	2.423	2.704		3.385	3.646
00	0.254	0.679	1.296	1.671	2.000	2.390	2.660	2.971	3.307	3.551
0	0.254	0.677	1.289	1.658	1.980	2.358		2.915	3.232	3.460
×	0.253	0.674	1.282	1.645	1.960	2.326	2.617	2.860	3.160	3.373
_						2.320	2.576	2.807	3.090	3.291

Table 8 PERCENTAGE POINTS OF THE χ^2 DISTRIBUTION

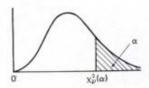
The values tabulated are $\chi^2_{\nu}(\alpha)$, where $\Pr(\chi^2_{\nu} > \chi^2_{\nu}(\alpha)) = \alpha$, for ν degrees of freedom.



0,995	0.990	0.975	0.950	0,900	0,750	0.500	a v
onne sede	157088 , 10-9	982069 . 10**	393214.10**	0.0157908	0.1015308	0.454936	1
392704.10-10		0.0506356	0.102587	0.210721	0.575364	1.38629	2
0.0100251	0.0201007	0.0506356	0.351846	0.584374	1.212534	2.36597	3
0.0717218	0.114832 0.297109	0.484419	0.710723	1.063623	1,92256	3,35669	4
		0.831212	1.145476	1.61031	2.67460	4.35146	5
0.411742	0.554298	1.23734	1,63538	2.20413	3.45460	5.34812	6
0.675727	0.872090	X170 C. A. D. D. D.	2.16735	2.83311	4.25485	6.34581	7
0.989256	1.239043	1,68987	2.73264	3.48954	5.07064	7.34412	8
1.34441	1.64650	2.17973	3.32511	4.16816	5.89883	8.34283	9
1.73493	2.08790	2,70039			6.73720	9.34182	10
2.15586	2,55821	3.24697	3,94030	4,86518		10.3410	11
2.60322	3.05348	3.81575	4,57481	5.57778	7.58414	11.3403	12
3.07382	3.57057	4,40379	5.22603	6.30380	8.43842	12.3398	13
3.56503	4.10692	5.00875	5,89186	7,04150	9,29907	13.3393	14
4.07467	4,66043	5,62873	6,57063	7.78953	10,1653		1 300
4,60092	5.22935	6.26214	7,26094	8.54676	11.0365	14.3389	15
5.14221	5,81221	6,90766	7.96165	9,31224	11.9122	15.3385	16
5,69722	6.40776	7.56419	8.67176	10.0852	12,7919	16.3382	17
6.26480	7.01491	8.23075	9.39046	10.8649	13.6753	17,3379	18
6.84397	7.63273	8,90652	10.1170	11.6509	14,5620	18.3377	19
7.43384	8.26040	9.59078	10.8508	12,4426	15.4518	19,3374	20
8.03365	8.89720	10.28293	11.5913	13.2396	16.3444	20.3372	21
8.64272	9.54249	10.9823	12,3380	14.0415	17,2396	21.3370	22
9.26043	10.19567	11.6886	13.0905	14.8480	18.1373	22,3369	23
9,26043	10.8564	12,4012	13.8484	15.6587	19.0373	23.3367	24
1000	11.5240	13,1197	14,6114	16.4734	19,9393	24,3366	25
10.5197	12,1981	13,8439	15.3792	17,2919	20,8434	25.3365	26
11,1602	12.8785	14.5734	16,1514	18,1139	21.7494	26.3363	27
11.8076	13.5647	15.3079	16,9279	18,9392	22,6572	27,3362	28
12.4613	14,2565	16.0471	17.7084	19.7677	23.5666	28,3361	29
	14.9535	16.7908	18.4927	20.5992	24,4776	29.3360	30
13.7867		24.4330	26.5093	29.0505	33.6603	39.3353	40
20.7065	22.1643	32.3574	34,7643	37.6886	42,9421	49.3349	50
27.9907 35.5345	29.7067 37.4849	40.4817	43.1880	46,4589	52.2938	59.3347	60
			51.7393	55.3289	61.6983	69.3345	70
43.2752	45.4417	48.7576	60,3915	64.2778	71.1445	79,3343	80
51.1719	53.5401	57,1532	69,1260	73.2911	80.6247	89.3342	90
59.1963	61.7541	65.6466	77,9295	82.3581	90.1332	99.3341	100
67.3276	70.0649	74.2219	11,9295	02,0001	30,100	A 40 (40 T)	

Table 8 PERCENTAGE POINTS OF THE χ^2 DISTRIBUTION

The values tabulated are $\chi^2_{\nu}(\alpha)$, where $\Pr(\chi^2_{\nu}>\chi^2_{\nu}(\alpha))=\alpha$, for ν degrees of freedom.



0,995	0.990	0.975	0.950	0,900	0.750	0.500	a v
	**************************************	982069 . 10-9	393214.10**	0.0157908	0.1015308	0.454936	1
392704.10-10	157088.10-9	0.0506356	0.102587	0.210721	0.575364	1.38629	2
0,0100251	0.0201007	0.0506356	0.351846	0.584374	1.212534	2.36597	3
0.0717218	0.114832 0.297109	0.484419	0.710723	1.063623	1,92256	3.35669	4
		0.831212	1,145476	1.61031	2.67460	4.35146	5
0.411742	0.554298	1.23734	1,63538	2.20413	3,45460	5.34812	6
0.675727	0.872090	1.68987	2.16735	2,83311	4.25485	6.34581	7
0,989256	1.239043	2.17973	2,73264	3.48954	5.07064	7.34412	8
1.73493	1.64650 2.08790	2.70039	3.32511	4.16816	5.89883	8,34283	9
		3.24697	3.94030	4.86518	6.73720	9.34182	10
2.15586	2.55821	3,81575	4.57481	5.57778	7.58414	10.3410	11
2.60322	3.05348	4,40379	5.22603	6.30380	8,43842	11,3403	12
3,07382	3.57057	5.00875	5.89186	7.04150	9.29907	12.3398	13
3.56503	4.10692 4.66043	5,62873	6,57063	7.78953	10,1653	13.3393	14
4.07467		6.26214	7.26094	8.54676	11.0365	14.3389	15
4,60092	5.22935	6.90766	7.96165	9.31224	11.9122	15,3385	16
5,14221	5,81221	7,56419	8.67176	10.0852	12,7919	16,3382	17
5.69722	6.40776	8.23075	9.39046	10.8649	13.6753	17.3379	18
6.26480 6.84397	7.01491	8.90652	10,1170	11.6509	14.5620	18.3377	19
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	9,59078	10.8508	12,4426	15,4518	19,3374	20
7.43384	8.26040 8.89720	10.28293	11.5913	13.2396	16.3444	20.3372	21
8.03365		10.9823	12.3380	14.0415	17.2396	21.3370	22
8.64272	9.54249	11.6886	13.0905	14.8480	18.1373	22,3369	23
9.26043 9.88623	10,19567	12.4012	13.8484	15.6587	19.0373	23,3367	24
		13,1197	14.6114	16.4734	19,9393	24.3366	25
10.5197	11.5240	13.8439	15.3792	17,2919	20,8434	25.3365	26
11,1602	12.1981	14.5734	16,1514	18,1139	21,7494	26,3363	27
11.8076	12.8785	15.3079	16.9279	18.9392	22,6572	27,3362	28
12.4613	13,5647 14,2565	16.0471	17.7084	19.7677	23.5666	28.3361	29
		16,7908	18,4927	20.5992	24,4776	29.3360	30
13.7867	14.9535	24.4330	26.5093	29.0505	33.6603	39.3353	40
20.7065	22.1643	32.3574	34.7643	37.6886	42,9421	49.3349	50
27.9907 35.5345	29,7067 37,4849	40.4817	43.1880	46.4589	52,2938	59.3347	60
		48.7576	51.7393	55.3289	61.6983	69,3345	70
43.2752	45.4417	57.1532	60.3915	64.2778	71,1445	79.3343	80
51.1719	53.5401	65.6466	69.1260	73.2911	80.6247	89.3342	90
59.1963 67.3276	61.7541 70.0649	74,2219	77,9295	82.3581	90.1332	99,3341	100

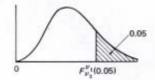
Table 9 Percentage Points of the F Distribution

UPPER 5 PER CENT POINTS

The values tabulated are $F^{\nu_1}_{\nu_2}(0.05)$ such that $\Pr(F^{\nu_1}_{\nu_2} > F^{\nu_2}_{\nu_2}(0.05)) = 0.05$, where ν_1 is the degrees of freedom in the numerator and ν_2 is the degrees of freedom in the denominator.

The lower percentage points of the distribution are obtained using the relationship

$$F_{\nu_1}^{\nu_1}(0.95) = 1/F_{\nu_1}^{\nu_2}(0.05)$$



12/2	1	2	3	4	5	6	7	8	9	10	15	20	40	60	120	04
1	161.4	199.5	215.7	224.6	230.2	234.0	236.8	238.9	240.5	241.9	245.9	248.0	251.1	257.2	253.3	254.3
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.43	19.45	19.47	19.48	19.49	19.50
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.70	8.66	8.59	8.57	8.55	8,53
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.86	5.80	5.72	5.69	5.66	5,63
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.62	4.56	4.46	4,43	4.40	4.36
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4,06	3.94	3,87	3.77	3,74	3.70	3.6
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3,73	3.68	3.64	3.51	3.44	3,34	3.30	3.27	3.23
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.22	3.15	3.04	3,01	2.97	2.93
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3,18	3.14	3.01	2.94	2.83	2.79	2.75	2.7
10	4.96	4.10	3.71	3,48	3.33	3.22	3.14	3.07	3.02	2.98	2,85	2,77	2.66	2.62	2.58	2.5
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.72	2.65	2.53	2.49	2.45	2,4
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.62	2.54	2.43	2.38	2.34	2.3
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.53	2.46	2.34	2.30	2.25	2.2
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.46	2.39	2.27	2.22	2.18	2.1
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.40	2.33	2.20	2.16	2.11	2.0
	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.35	2.28	2.15	2.11	2.06	2.0
16	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.31	2.23	2.10	2.06	2.01	1.9
18	4,41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.27	2,19	2.06	2.02	1.97	1,9
19	4.38	3.52	3.13	2.90	2,74	2.63	2.54	2.48	2.42	2.38	2.23	2.16	2.03	1,98	1.93	1.8
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.20	2.12	1.99	1.95	1.90	1.8
21	4.32	3.47	3.07	2.84	2.68	2.57	2,49	2.42	2.37	2.32	2.18	2.10	1.96	1.92	1.87	1.8
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2,40	2.34	2.30	2.15	2.07		1.89	1.84	1.7
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27		2.05	1.91	1.86	1.81	1.7
24	4,26	3.40	3.01	2.78		2.51	2.42	2.36	2.30	2.25	2.11	2.03	1,89	1.84	1.79	1.7
25	4.24	3.39	2.99	2.76	2.60	2,49	2.40	2.34	2.28	2.24	2.09		1.87	1.82	1,77	1.7
26	4.23	3.37	2.98	2.74		2.47	2.39	2.32	2.27	2.22			1.85	1,80	1.75	
27	4.21	3.35	2.96	2.73		2.46	2.37	2.31	2.25	2.20			1.84	1,79	1.73	1.6
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19				1.77	1.71	
29	4.18	3.33	2.93	2.70	1000000	2.43		100	2.22	2.18	2,03	1.94	0.33	1,75	1.70	1.6
30	4.17	20,287	2.92	2.69	1000	2.42	2.33	2.27	2.21	2.16		1,93		1.74	1.68	1.6
40	4.08	3.23		2.61		2.34			2.12	2.08		1,84		1.64	1.58	1.5
60	4.00	3.15		2.53		2,25			2.04	1.99				1.53	1,47	1.5
120	3.92	3.07		2.45		2.17			1.96	1,91					1,35	13
90	3.84		41.50	2.37	1000000	2.10		1.94		1.83	1.67	1.57	1.39	1,32	1.22	1.5

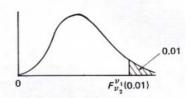
Table 9 Percentage Points of the F Distribution

UPPER 1 PER CENT POINTS

The values tabulated are $F_{\nu_1}^{\nu_1}(0.01)$, such that $\Gamma_{\nu_1}^{\nu_1} > F_{\nu_2}^{\nu_1}(0.01) = 0.01$, where ν_1 is the degrees of freedom in the numerator and ν_2 is the degrees of freedom in the denominator.

The lower percentage points of the distribution are obtained using the relationship

$$F^{\nu_1}_{\nu_2}(0.99)=1/F^{\nu_2}_{\nu_1}(0.01)$$



10	1	2	3	4	5	6	. 7	8	9	10	15	20	40	60	120	- 00
12					1700 A	cara	5928	5981	6022	6056	6157	6209	6287	6313	6339	6366
1	4052	4999.5	5403	5625	5764	5859		99.37	99,39	99.40	99.43	99,45	99.47	99.48	99,49	99.50
2	98.50	99.00	99.17	99,25	99,30	99.33	99,36	27.49	27,35	27.23	26,87	26,69	26.41	26.32	26.22	26,13
3	34,12	30.82	29.46	28.71	28.24	27.91	27.67			14.55	14,20	14,02	13.75	13.65	13.56	13,46
4	21,20	18.00	16.69	15.98	15.52	15,21	14.98	14,80	14,66	14,00	10000	10000	3772.373	87200		9.02
		40.07	12.06	11.39	10,97	10.67	10.46	10.29	10.16	10.05	9,72	9.55	9.29	9.20	9.11	6.86
5	16.26	13.27	9.78	9.15	8,75	8,47	8.26	8,10	7.98	7.87	7.56	7,40	7.14	7.06	6.97	5.65
6	13.75	10.92	17.00	7.85	7,46	7.19	6.99	6.84	6.72	5.62	6.31	6.16	5.91	5,82	5.74	
7	12.25	9.55	8,45			6.37	6.18	6.03	5.91	5.81	5,52	5.36	5.12	5,03	4.95	4,86
8	11.26	8,65	7,59	7.01	6.63	5.80	5.61	5.47	5.35	5.26	4.96	4.81	4,57	4.48	4,40	4.31
9	10.56	8.02	6,99	6.42	6.06	5,80	5,01	OC.41	SSERRE	1100000		4.41	4.17	4,08	4.00	3,91
	10.04	7.56	6.55	5,99	5.64	5.39	5.20	5,06	4.94	4,85	4,56	4.10	3,86	3,78	3,69	3,60
10	9.65	7.30	6.22	5.67	5.32	5.07	4.89	4.74	4.63	4,54	4.25		3,62	3,54	3,45	3,36
11		6.93	5.95	5,41	5.06	4.82	4,64	4.50	4.39	4.30	4,01	3,86		3.34	3.25	3,17
12	9,33		5.74	5,21	4,86	4.62	4.44	4,30	4.19	4.10		3.66	3,43	3,18	3.09	3,00
13	9,07	6.70	100000000000000000000000000000000000000	200000	4,69	4.48	4.28	4.14	4.03	3.94	3.66	3,51	3.27	3,10	22000	1237000
14	8,86	6.51	5.56	1000	3500	5000	11.575		3,89	3.80	3,52	3.37	3,13	3,05	2.96	2,87
15	8,68	6,36	5,42	4,89	4,56	4.32	4,14	4.00	3,78	3.69	3.41	3.26	3.02	2.93	2,84	2.75
16	8,53	6.23	5.29	4.77	4,44	4,20	4.03	3.89		3.59	3.31	3,16	2.92	2.83		2.65
17	8.40	6,11	5,18	4.67	4,34	4.10	3.93			3.51	3.23	3.08	2.84	2.75		2.57
	8.29	6.01	5,09		4,25	4.01	3.84		3,60		3.15	3.00		2.67	2.58	2.45
18	8.18	5.93	5.01	4,50	4.17	3,94	3.77	3.63	3,52	3.43	3.10	10000	1,7300	4 51231	2.52	2.43
19	8.18	0.83	87000	700		3.87	3.70	3.56	3.46	3.37	3.09	2.94				2.36
20	8.10	5.85	4.94		4,10	127525	3.64	0.535.5	2 000000	3.31	3.03	2.88			1 2 2 2	1 10101
21	8.02	5.78	4,87		4,04		3.59	7 V 7 7 5 4		3.26		2.83				The second second
22	7.95	5.72	4.82		3,99			0.00000		3 1 1 2 2 2 2 2		2.78	2.54			
23	7.88	5.66	4.76	4.26			3.54	100000			2.00	2.74	2.49	2.40	2.31	2.2
24	7.82	5.61		4.22	3.90	3.67	3.50	3.30	100000	100	3325	0.03	2,45	2.36	2.27	2.17
24		2505	- 80 Y 12 2	4.18	3.85	3.63	3,46	3.32	3.22	3.13						
25	7.77	5.57			200	58587	10000		3.18	3.09		2.66		0		100000
26	7,72	5.53			0100	1	100000		3,15	3.06				10000		200
27	7.68	5,49				CHAILS.	0.000	4.000000		3.03	2.75				3.00	-
28	7.64	5.45				100100	100000	0.00	1000000		2.73	2.57	2.33	2.23	2,14	77.52
29	7.60		4.54	4.04	3.73	3.50	3.30	995384		100	22.	2,58	2,30	2.21	2.11	2.0
577.2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	4.00	3.70	3.47	3.30	3.17				1000				1,80
30	7.58		9.50	90000	77755			2.99				12123			1000	
40	7.31		4 4 4 4	100			1000000		2.72							
60	7.08				100000		1 2000	5.0000000		2.47	2.19			1	200	
120	6.85	4,75						0.0000				1.88	1.59	1,4	1.04	1
.00	6.63	4,61	3.78	3.3	3.03	2,80	2.0		1							_