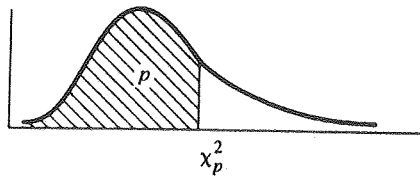


Table II. Percentiles of the Chi-Square Distribution



DEGREES OF FREEDOM	$\chi^2_{.995}$	$\chi^2_{.95}$	$\chi^2_{.90}$	$\chi^2_{.85}$	$\chi^2_{.80}$	$\chi^2_{.75}$	$\chi^2_{.70}$
1	.000	.000	.001	.004	.016	.064	.148
2	.010	.020	.051	.103	.211	.446	.713
3	.072	.115	.216	.352	.584	1.00	1.42
4	.207	.297	.484	.711	1.06	1.65	2.20
5	.412	.554	.831	1.15	1.61	2.34	3.00
6	.676	.872	1.24	1.64	2.20	3.07	3.83
7	.989	1.24	1.69	2.17	2.83	3.82	4.67
8	1.34	1.65	2.18	2.73	3.49	4.59	5.53
9	1.73	2.09	2.70	3.33	4.17	5.38	6.39
10	2.16	2.56	3.25	3.94	4.87	6.18	7.27
11	2.60	3.05	3.82	4.57	5.58	6.99	8.15
12	3.07	3.57	4.40	5.23	6.30	7.81	9.03
13	3.57	4.11	5.01	5.89	7.04	8.63	9.93
14	4.07	4.66	5.63	6.57	7.79	9.47	10.8
15	4.60	5.23	6.26	7.26	8.55	10.3	11.7
16	5.14	5.81	6.91	7.96	9.31	11.2	12.6
17	5.70	6.41	7.56	8.67	10.1	12.0	13.5
18	6.26	7.01	8.23	9.39	10.9	12.9	14.4
19	6.83	7.63	8.91	10.1	11.7	13.7	15.4
20	7.43	8.26	9.59	10.9	12.4	14.6	16.3
21	8.03	8.90	10.3	11.6	13.2	15.4	17.2
22	8.64	9.54	11.0	12.3	14.0	16.3	18.1
23	9.26	10.2	11.7	13.1	14.8	17.2	19.0
24	9.89	10.9	12.4	13.8	15.7	18.1	19.9
25	10.5	11.5	13.1	14.6	16.5	18.9	20.9
26	11.2	12.2	13.8	15.4	17.3	19.8	21.8
27	11.8	12.9	14.6	16.2	18.1	20.7	22.7
28	12.5	13.6	15.3	16.9	18.9	21.6	23.6
29	13.1	14.3	16.0	17.7	19.8	22.5	24.6
30	13.8	15.0	16.8	18.5	20.6	23.4	25.5
40	20.7	22.1	24.4	26.5	29.0	32.3	34.9
50	28.0	29.7	32.3	34.8	37.7	41.4	44.3
60	35.5	37.5	40.5	43.2	46.5	50.6	53.8

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$\chi^2_{.60}$	$\chi^2_{.70}$	$\chi^2_{.80}$	$\chi^2_{.90}$	$\chi^2_{.95}$	$\chi^2_{.975}$	$\chi^2_{.99}$	$\chi^2_{.995}$
.455	1.07	1.64	2.71	3.84	5.02	6.63	7.88
1.39	2.41	3.22	4.61	5.99	7.38	9.21	10.6
2.37	3.66	4.64	6.25	7.81	9.35	11.3	12.8
3.36	4.88	5.99	7.78	9.49	11.1	13.3	14.9
4.35	6.06	7.29	9.24	11.1	12.8	15.1	16.7
5.35	7.23	8.56	10.6	12.6	14.4	16.8	18.5
6.35	8.38	9.80	12.0	14.1	16.0	18.5	20.3
7.34	9.52	11.0	13.4	15.5	17.5	20.1	22.0
8.34	10.7	12.2	14.7	16.9	19.0	21.7	23.6
9.34	11.8	13.4	16.0	18.3	20.5	23.2	25.2
10.3	12.9	14.6	17.3	19.7	21.9	24.7	26.8
11.3	14.0	15.8	18.5	21.0	23.3	26.2	28.3
12.3	15.1	17.0	19.8	22.4	24.7	27.7	29.8
13.3	16.2	18.2	21.1	23.7	26.1	29.1	31.3
14.3	17.3	19.3	22.3	25.0	27.5	30.6	32.8
15.3	18.4	20.5	23.5	26.3	28.8	32.0	34.3
16.3	19.5	21.6	24.8	27.6	30.2	33.4	35.7
17.3	20.6	22.8	26.0	28.9	31.5	34.8	37.2
18.3	21.7	23.9	27.2	30.1	32.9	36.2	38.6
19.3	22.8	25.0	28.4	31.4	34.2	37.6	40.0
20.3	23.9	26.2	29.6	32.7	35.5	38.9	41.4
21.3	24.9	27.3	30.8	33.9	36.8	40.3	42.8
22.3	26.0	28.4	32.0	35.2	38.1	41.6	44.2
23.3	27.1	29.6	33.2	36.4	39.4	43.0	45.6
24.3	28.2	30.7	34.4	37.7	40.6	44.3	46.9
25.3	29.2	31.8	35.6	38.9	41.9	45.6	48.3
26.3	30.3	32.9	36.7	40.1	43.2	47.0	49.6
27.3	31.4	34.0	37.9	41.3	44.5	48.3	51.0
28.3	32.5	35.1	39.1	42.6	45.7	49.6	52.3
29.3	33.5	36.2	40.3	43.8	47.0	50.9	53.7
39.3	44.2	47.3	51.8	55.8	59.3	63.7	66.8
49.3	54.7	58.2	63.2	67.5	71.4	76.2	79.5
59.3	65.2	69.0	74.4	79.1	83.3	88.4	92.0