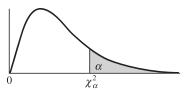
Table 6 Percentage Points of the  $\chi^2$  Distributions



$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				λα		
2     0.0100251     0.0201007     0.0506356     0.102587     0.210720       3     0.0717212     0.114832     0.215795     0.351846     0.584375       4     0.206990     0.297110     0.484419     0.710721     1.063623       5     0.411740     0.554300     0.831211     1.145476     1.61031       6     0.675727     0.872085     1.237347     1.63539     2.20413       7     0.989265     1.239043     1.68987     2.16735     2.83311       8     1.344419     1.646482     2.17973     2.73264     3.48954       9     1.734926     2.087912     2.70039     3.32511     4.16816       10     2.15585     2.55821     3.24697     3.94030     4.86518       11     2.60321     3.05347     3.81575     4.57481     5.57779       12     3.07382     3.57056     4.40379     5.22603     6.30380       13     3.56503     4.10691     5.00874     5.89186     7.04150       14     4.07468 <th>df</th> <th><math>\chi^2_{0.995}</math></th> <th><math>\chi^2_{0.990}</math></th> <th><math>\chi^2_{0.975}</math></th> <th><math>\chi^2_{0.950}</math></th> <th><math>\chi^{2}_{0.900}</math></th>	df	$\chi^2_{0.995}$	$\chi^2_{0.990}$	$\chi^2_{0.975}$	$\chi^2_{0.950}$	$\chi^{2}_{0.900}$
3     0.0717212     0.114832     0.215795     0.351846     0.584375       4     0.206990     0.297110     0.484419     0.710721     1.063623       5     0.411740     0.554300     0.831211     1.145476     1.61031       6     0.675727     0.872085     1.237347     1.63539     2.20413       7     0.989265     1.239043     1.68987     2.16735     2.83311       8     1.344419     1.646482     2.17973     2.73264     3.48954       9     1.734926     2.087912     2.70039     3.32511     4.16816       10     2.15585     2.55821     3.24697     3.94030     4.86518       11     2.60321     3.05347     3.81575     4.57481     5.57779       12     3.07382     3.57056     4.40379     5.22603     6.30380       13     3.56503     4.10691     5.0874     5.89186     7.04150       14     4.07468     4.66043     5.62872     6.57063     7.78953       15     4.60094	1	0.0000393	0.0001571	0.0009821	0.0039321	0.0157908
4     0.206990     0.297110     0.484419     0.710721     1.063623       5     0.411740     0.554300     0.831211     1.145476     1.61031       6     0.675727     0.872085     1.237347     1.63539     2.20413       7     0.989265     1.239043     1.68987     2.16735     2.83311       8     1.344419     1.646482     2.17973     2.73264     3.48954       9     1.734926     2.087912     2.70039     3.32511     4.16816       10     2.15585     2.55821     3.24697     3.94030     4.86518       11     2.60321     3.05347     3.81575     4.57481     5.57779       12     3.07382     3.57056     4.40379     5.22603     6.30380       13     3.56503     4.10691     5.00874     5.89186     7.04150       14     4.07468     4.66043     5.62872     6.57063     7.78953       15     4.60094     5.22935     6.26214     7.26094     8.54675       16     5.14224 <t< td=""><td>2</td><td>0.0100251</td><td>0.0201007</td><td>0.0506356</td><td>0.102587</td><td>0.210720</td></t<>	2	0.0100251	0.0201007	0.0506356	0.102587	0.210720
5     0.411740     0.554300     0.831211     1.145476     1.61031       6     0.675727     0.872085     1.237347     1.63539     2.20413       7     0.989265     1.239043     1.68987     2.16735     2.83311       8     1.344419     1.646482     2.17973     2.73264     3.48954       9     1.734926     2.087912     2.70039     3.32511     4.16816       10     2.15585     2.55821     3.24697     3.94030     4.86518       11     2.60321     3.05347     3.81575     4.57481     5.57779       12     3.07382     3.57056     4.40379     5.22603     6.30380       13     3.56503     4.10691     5.00874     5.89186     7.04150       14     4.07468     4.66043     5.62872     6.57063     7.78953       15     4.60094     5.22935     6.26214     7.26094     8.54675       16     5.14224     5.81221     6.90766     7.96164     9.31223       17     5.69724     6.	3	0.0717212	0.114832	0.215795	0.351846	0.584375
6     0.675727     0.872085     1.237347     1.63539     2.20413       7     0.989265     1.239043     1.68987     2.16735     2.83311       8     1.344419     1.646482     2.17973     2.73264     3.48954       9     1.734926     2.087912     2.70039     3.32511     4.16816       10     2.15585     2.55821     3.24697     3.94030     4.86518       11     2.60321     3.05347     3.81575     4.57481     5.57779       12     3.07382     3.57056     4.40379     5.22603     6.30380       13     3.56503     4.10691     5.00874     5.89186     7.04150       14     4.07468     4.66043     5.62872     6.57063     7.78953       15     4.60094     5.22935     6.26214     7.26094     8.54675       16     5.14224     5.81221     6.90766     7.96164     9.31223       17     5.69724     6.40776     7.56418     8.67176     10.0852       18     6.26481     7.014	4	0.206990	0.297110	0.484419	0.710721	1.063623
7     0.989265     1.239043     1.68987     2.16735     2.83311       8     1.344419     1.646482     2.17973     2.73264     3.48954       9     1.734926     2.087912     2.70039     3.32511     4.16816       10     2.15585     2.55821     3.24697     3.94030     4.86518       11     2.60321     3.05347     3.81575     4.57481     5.57779       12     3.07382     3.57056     4.40379     5.22603     6.30380       13     3.56503     4.10691     5.00874     5.89186     7.04150       14     4.07468     4.66043     5.62872     6.57063     7.78953       15     4.60094     5.22935     6.26214     7.26094     8.54675       16     5.14224     5.81221     6.90766     7.96164     9.31223       17     5.69724     6.40776     7.56418     8.67176     10.0852       18     6.26481     7.01491     8.23075     9.39046     10.8649       19     6.84398     7.63273	5	0.411740	0.554300	0.831211	1.145476	1.61031
8   1.344419   1.646482   2.17973   2.73264   3.48954     9   1.734926   2.087912   2.70039   3.32511   4.16816     10   2.15585   2.55821   3.24697   3.94030   4.86518     11   2.60321   3.05347   3.81575   4.57481   5.57779     12   3.07382   3.57056   4.40379   5.22603   6.30380     13   3.56503   4.10691   5.00874   5.89186   7.04150     14   4.07468   4.66043   5.62872   6.57063   7.78953     15   4.60094   5.22935   6.26214   7.26094   8.54675     16   5.14224   5.81221   6.90766   7.96164   9.31223     17   5.69724   6.40776   7.56418   8.67176   10.0852     18   6.26481   7.01491   8.23075   9.39046   10.8649     19   6.84398   7.63273   8.90655   10.1170   11.6509     20   7.43386   8.26040   9.59083   10.8508   12.4426     21   8.03366	6	0.675727		1.237347	1.63539	2.20413
9   1.734926   2.087912   2.70039   3.32511   4.16816     10   2.15585   2.55821   3.24697   3.94030   4.86518     11   2.60321   3.05347   3.81575   4.57481   5.57779     12   3.07382   3.57056   4.40379   5.22603   6.30380     13   3.56503   4.10691   5.00874   5.89186   7.04150     14   4.07468   4.66043   5.62872   6.57063   7.78953     15   4.60094   5.22935   6.26214   7.26094   8.54675     16   5.14224   5.81221   6.90766   7.96164   9.31223     17   5.69724   6.40776   7.56418   8.67176   10.0852     18   6.26481   7.01491   8.23075   9.39046   10.8649     19   6.84398   7.63273   8.90655   10.1170   11.6509     20   7.43386   8.26040   9.59083   10.8508   12.4426     21   8.03366   8.89720   10.28293   11.5913   13.2396     22   8.64272	7	0.989265	1.239043	1.68987	2.16735	2.83311
10     2.15585     2.55821     3.24697     3.94030     4.86518       11     2.60321     3.05347     3.81575     4.57481     5.57779       12     3.07382     3.57056     4.40379     5.22603     6.30380       13     3.56503     4.10691     5.00874     5.89186     7.04150       14     4.07468     4.66043     5.62872     6.57063     7.78953       15     4.60094     5.22935     6.26214     7.26094     8.54675       16     5.14224     5.81221     6.90766     7.96164     9.31223       17     5.69724     6.40776     7.56418     8.67176     10.0852       18     6.26481     7.01491     8.23075     9.39046     10.8649       19     6.84398     7.63273     8.90655     10.1170     11.6509       20     7.43386     8.26040     9.59083     10.8508     12.4426       21     8.03366     8.89720     10.28293     11.5913     13.2396       22     8.64272     9.54249 </td <td>8</td> <td>1.344419</td> <td>1.646482</td> <td>2.17973</td> <td>2.73264</td> <td>3.48954</td>	8	1.344419	1.646482	2.17973	2.73264	3.48954
11     2.60321     3.05347     3.81575     4.57481     5.57779       12     3.07382     3.57056     4.40379     5.22603     6.30380       13     3.56503     4.10691     5.00874     5.89186     7.04150       14     4.07468     4.66043     5.62872     6.57063     7.78953       15     4.60094     5.22935     6.26214     7.26094     8.54675       16     5.14224     5.81221     6.90766     7.96164     9.31223       17     5.69724     6.40776     7.56418     8.67176     10.0852       18     6.26481     7.01491     8.23075     9.39046     10.8649       19     6.84398     7.63273     8.90655     10.1170     11.6509       20     7.43386     8.26040     9.59083     10.8508     12.4426       21     8.03366     8.89720     10.28293     11.5913     13.2396       22     8.64272     9.54249     10.9823     12.3380     14.0415       23     9.26042     10.19567<	9	1.734926	2.087912	2.70039	3.32511	4.16816
12     3.07382     3.57056     4.40379     5.22603     6.30380       13     3.56503     4.10691     5.00874     5.89186     7.04150       14     4.07468     4.66043     5.62872     6.57063     7.78953       15     4.60094     5.22935     6.26214     7.26094     8.54675       16     5.14224     5.81221     6.90766     7.96164     9.31223       17     5.69724     6.40776     7.56418     8.67176     10.0852       18     6.26481     7.01491     8.23075     9.39046     10.8649       19     6.84398     7.63273     8.90655     10.1170     11.6509       20     7.43386     8.26040     9.59083     10.8508     12.4426       21     8.03366     8.89720     10.28293     11.5913     13.2396       22     8.64272     9.54249     10.9823     12.3380     14.0415       23     9.26042     10.19567     11.6885     13.0905     14.8479       24     9.88623     10.8564<	10	2.15585	2.55821	3.24697	3.94030	4.86518
13     3.56503     4.10691     5.00874     5.89186     7.04150       14     4.07468     4.66043     5.62872     6.57063     7.78953       15     4.60094     5.22935     6.26214     7.26094     8.54675       16     5.14224     5.81221     6.90766     7.96164     9.31223       17     5.69724     6.40776     7.56418     8.67176     10.0852       18     6.26481     7.01491     8.23075     9.39046     10.8649       19     6.84398     7.63273     8.90655     10.1170     11.6509       20     7.43386     8.26040     9.59083     10.8508     12.4426       21     8.03366     8.89720     10.28293     11.5913     13.2396       22     8.64272     9.54249     10.9823     12.3380     14.0415       23     9.26042     10.19567     11.6885     13.0905     14.8479       24     9.88623     10.8564     12.4011     13.8484     15.6587       25     10.5197     11.5240<	11	2.60321	3.05347	3.81575	4.57481	5.57779
14     4.07468     4.66043     5.62872     6.57063     7.78953       15     4.60094     5.22935     6.26214     7.26094     8.54675       16     5.14224     5.81221     6.90766     7.96164     9.31223       17     5.69724     6.40776     7.56418     8.67176     10.0852       18     6.26481     7.01491     8.23075     9.39046     10.8649       19     6.84398     7.63273     8.90655     10.1170     11.6509       20     7.43386     8.26040     9.59083     10.8508     12.4426       21     8.03366     8.89720     10.28293     11.5913     13.2396       22     8.64272     9.54249     10.9823     12.3380     14.0415       23     9.26042     10.19567     11.6885     13.0905     14.8479       24     9.88623     10.8564     12.4011     13.8484     15.6587       25     10.5197     11.5240     13.1197     14.6114     16.4734       26     11.1603     12.1981<	12	3.07382	3.57056	4.40379	5.22603	6.30380
15     4.60094     5.22935     6.26214     7.26094     8.54675       16     5.14224     5.81221     6.90766     7.96164     9.31223       17     5.69724     6.40776     7.56418     8.67176     10.0852       18     6.26481     7.01491     8.23075     9.39046     10.8649       19     6.84398     7.63273     8.90655     10.1170     11.6509       20     7.43386     8.26040     9.59083     10.8508     12.4426       21     8.03366     8.89720     10.28293     11.5913     13.2396       22     8.64272     9.54249     10.9823     12.3380     14.0415       23     9.26042     10.19567     11.6885     13.0905     14.8479       24     9.88623     10.8564     12.4011     13.8484     15.6587       25     10.5197     11.5240     13.1197     14.6114     16.4734       26     11.1603     12.1981     13.8439     15.3791     17.2919       27     11.8076     12.8786<	13	3.56503	4.10691	5.00874	5.89186	7.04150
16     5.14224     5.81221     6.90766     7.96164     9.31223       17     5.69724     6.40776     7.56418     8.67176     10.0852       18     6.26481     7.01491     8.23075     9.39046     10.8649       19     6.84398     7.63273     8.90655     10.1170     11.6509       20     7.43386     8.26040     9.59083     10.8508     12.4426       21     8.03366     8.89720     10.28293     11.5913     13.2396       22     8.64272     9.54249     10.9823     12.3380     14.0415       23     9.26042     10.19567     11.6885     13.0905     14.8479       24     9.88623     10.8564     12.4011     13.8484     15.6587       25     10.5197     11.5240     13.1197     14.6114     16.4734       26     11.1603     12.1981     13.8439     15.3791     17.2919       27     11.8076     12.8786     14.5733     16.1513     18.1138       28     12.4613     13.5648<	14	4.07468	4.66043	5.62872	6.57063	7.78953
17     5.69724     6.40776     7.56418     8.67176     10.0852       18     6.26481     7.01491     8.23075     9.39046     10.8649       19     6.84398     7.63273     8.90655     10.1170     11.6509       20     7.43386     8.26040     9.59083     10.8508     12.4426       21     8.03366     8.89720     10.28293     11.5913     13.2396       22     8.64272     9.54249     10.9823     12.3380     14.0415       23     9.26042     10.19567     11.6885     13.0905     14.8479       24     9.88623     10.8564     12.4011     13.8484     15.6587       25     10.5197     11.5240     13.1197     14.6114     16.4734       26     11.1603     12.1981     13.8439     15.3791     17.2919       27     11.8076     12.8786     14.5733     16.1513     18.1138       28     12.4613     13.5648     15.3079     16.9279     18.9392       29     13.1211     14.2565<	15	4.60094	5.22935	6.26214	7.26094	8.54675
18   6.26481   7.01491   8.23075   9.39046   10.8649     19   6.84398   7.63273   8.90655   10.1170   11.6509     20   7.43386   8.26040   9.59083   10.8508   12.4426     21   8.03366   8.89720   10.28293   11.5913   13.2396     22   8.64272   9.54249   10.9823   12.3380   14.0415     23   9.26042   10.19567   11.6885   13.0905   14.8479     24   9.88623   10.8564   12.4011   13.8484   15.6587     25   10.5197   11.5240   13.1197   14.6114   16.4734     26   11.1603   12.1981   13.8439   15.3791   17.2919     27   11.8076   12.8786   14.5733   16.1513   18.1138     28   12.4613   13.5648   15.3079   16.9279   18.9392     29   13.1211   14.2565   16.0471   17.7083   19.7677     30   13.7867   14.9535   16.7908   18.4926   20.5992     40   20.7065	16	5.14224	5.81221	6.90766	7.96164	9.31223
19   6.84398   7.63273   8.90655   10.1170   11.6509     20   7.43386   8.26040   9.59083   10.8508   12.4426     21   8.03366   8.89720   10.28293   11.5913   13.2396     22   8.64272   9.54249   10.9823   12.3380   14.0415     23   9.26042   10.19567   11.6885   13.0905   14.8479     24   9.88623   10.8564   12.4011   13.8484   15.6587     25   10.5197   11.5240   13.1197   14.6114   16.4734     26   11.1603   12.1981   13.8439   15.3791   17.2919     27   11.8076   12.8786   14.5733   16.1513   18.1138     28   12.4613   13.5648   15.3079   16.9279   18.9392     29   13.1211   14.2565   16.0471   17.7083   19.7677     30   13.7867   14.9535   16.7908   18.4926   20.5992     40   20.7065   22.1643   24.4331   26.5093   29.0505     50   27.9907	17	5.69724	6.40776	7.56418	8.67176	10.0852
20   7.43386   8.26040   9.59083   10.8508   12.4426     21   8.03366   8.89720   10.28293   11.5913   13.2396     22   8.64272   9.54249   10.9823   12.3380   14.0415     23   9.26042   10.19567   11.6885   13.0905   14.8479     24   9.88623   10.8564   12.4011   13.8484   15.6587     25   10.5197   11.5240   13.1197   14.6114   16.4734     26   11.1603   12.1981   13.8439   15.3791   17.2919     27   11.8076   12.8786   14.5733   16.1513   18.1138     28   12.4613   13.5648   15.3079   16.9279   18.9392     29   13.1211   14.2565   16.0471   17.7083   19.7677     30   13.7867   14.9535   16.7908   18.4926   20.5992     40   20.7065   22.1643   24.4331   26.5093   29.0505     50   27.9907   29.7067   32.3574   34.7642   37.6886     60   35.5346	18	6.26481		8.23075	9.39046	10.8649
21   8.03366   8.89720   10.28293   11.5913   13.2396     22   8.64272   9.54249   10.9823   12.3380   14.0415     23   9.26042   10.19567   11.6885   13.0905   14.8479     24   9.88623   10.8564   12.4011   13.8484   15.6587     25   10.5197   11.5240   13.1197   14.6114   16.4734     26   11.1603   12.1981   13.8439   15.3791   17.2919     27   11.8076   12.8786   14.5733   16.1513   18.1138     28   12.4613   13.5648   15.3079   16.9279   18.9392     29   13.1211   14.2565   16.0471   17.7083   19.7677     30   13.7867   14.9535   16.7908   18.4926   20.5992     40   20.7065   22.1643   24.4331   26.5093   29.0505     50   27.9907   29.7067   32.3574   34.7642   37.6886     60   35.5346   37.4848   40.4817   43.1879   46.4589     70   43.2752	19	6.84398	7.63273	8.90655	10.1170	11.6509
22   8.64272   9.54249   10.9823   12.3380   14.0415     23   9.26042   10.19567   11.6885   13.0905   14.8479     24   9.88623   10.8564   12.4011   13.8484   15.6587     25   10.5197   11.5240   13.1197   14.6114   16.4734     26   11.1603   12.1981   13.8439   15.3791   17.2919     27   11.8076   12.8786   14.5733   16.1513   18.1138     28   12.4613   13.5648   15.3079   16.9279   18.9392     29   13.1211   14.2565   16.0471   17.7083   19.7677     30   13.7867   14.9535   16.7908   18.4926   20.5992     40   20.7065   22.1643   24.4331   26.5093   29.0505     50   27.9907   29.7067   32.3574   34.7642   37.6886     60   35.5346   37.4848   40.4817   43.1879   46.4589     70   43.2752   45.4418   48.7576   51.7393   55.3290     80   51.1720   <	20	7.43386	8.26040	9.59083	10.8508	12.4426
23   9.26042   10.19567   11.6885   13.0905   14.8479     24   9.88623   10.8564   12.4011   13.8484   15.6587     25   10.5197   11.5240   13.1197   14.6114   16.4734     26   11.1603   12.1981   13.8439   15.3791   17.2919     27   11.8076   12.8786   14.5733   16.1513   18.1138     28   12.4613   13.5648   15.3079   16.9279   18.9392     29   13.1211   14.2565   16.0471   17.7083   19.7677     30   13.7867   14.9535   16.7908   18.4926   20.5992     40   20.7065   22.1643   24.4331   26.5093   29.0505     50   27.9907   29.7067   32.3574   34.7642   37.6886     60   35.5346   37.4848   40.4817   43.1879   46.4589     70   43.2752   45.4418   48.7576   51.7393   55.3290     80   51.1720   53.5400   57.1532   60.3915   64.2778     90   59.1963   <	21	8.03366	8.89720	10.28293	11.5913	13.2396
24 9.88623 10.8564 12.4011 13.8484 15.6587   25 10.5197 11.5240 13.1197 14.6114 16.4734   26 11.1603 12.1981 13.8439 15.3791 17.2919   27 11.8076 12.8786 14.5733 16.1513 18.1138   28 12.4613 13.5648 15.3079 16.9279 18.9392   29 13.1211 14.2565 16.0471 17.7083 19.7677   30 13.7867 14.9535 16.7908 18.4926 20.5992   40 20.7065 22.1643 24.4331 26.5093 29.0505   50 27.9907 29.7067 32.3574 34.7642 37.6886   60 35.5346 37.4848 40.4817 43.1879 46.4589   70 43.2752 45.4418 48.7576 51.7393 55.3290   80 51.1720 53.5400 57.1532 60.3915 64.2778   90 59.1963 61.7541 65.6466 69.1260 73.2912	22	8.64272	9.54249	10.9823	12.3380	14.0415
25   10.5197   11.5240   13.1197   14.6114   16.4734     26   11.1603   12.1981   13.8439   15.3791   17.2919     27   11.8076   12.8786   14.5733   16.1513   18.1138     28   12.4613   13.5648   15.3079   16.9279   18.9392     29   13.1211   14.2565   16.0471   17.7083   19.7677     30   13.7867   14.9535   16.7908   18.4926   20.5992     40   20.7065   22.1643   24.4331   26.5093   29.0505     50   27.9907   29.7067   32.3574   34.7642   37.6886     60   35.5346   37.4848   40.4817   43.1879   46.4589     70   43.2752   45.4418   48.7576   51.7393   55.3290     80   51.1720   53.5400   57.1532   60.3915   64.2778     90   59.1963   61.7541   65.6466   69.1260   73.2912	23	9.26042	10.19567	11.6885	13.0905	14.8479
26   11.1603   12.1981   13.8439   15.3791   17.2919     27   11.8076   12.8786   14.5733   16.1513   18.1138     28   12.4613   13.5648   15.3079   16.9279   18.9392     29   13.1211   14.2565   16.0471   17.7083   19.7677     30   13.7867   14.9535   16.7908   18.4926   20.5992     40   20.7065   22.1643   24.4331   26.5093   29.0505     50   27.9907   29.7067   32.3574   34.7642   37.6886     60   35.5346   37.4848   40.4817   43.1879   46.4589     70   43.2752   45.4418   48.7576   51.7393   55.3290     80   51.1720   53.5400   57.1532   60.3915   64.2778     90   59.1963   61.7541   65.6466   69.1260   73.2912	24	9.88623	10.8564	12.4011	13.8484	15.6587
27   11.8076   12.8786   14.5733   16.1513   18.1138     28   12.4613   13.5648   15.3079   16.9279   18.9392     29   13.1211   14.2565   16.0471   17.7083   19.7677     30   13.7867   14.9535   16.7908   18.4926   20.5992     40   20.7065   22.1643   24.4331   26.5093   29.0505     50   27.9907   29.7067   32.3574   34.7642   37.6886     60   35.5346   37.4848   40.4817   43.1879   46.4589     70   43.2752   45.4418   48.7576   51.7393   55.3290     80   51.1720   53.5400   57.1532   60.3915   64.2778     90   59.1963   61.7541   65.6466   69.1260   73.2912	25	10.5197	11.5240	13.1197	14.6114	16.4734
28   12.4613   13.5648   15.3079   16.9279   18.9392     29   13.1211   14.2565   16.0471   17.7083   19.7677     30   13.7867   14.9535   16.7908   18.4926   20.5992     40   20.7065   22.1643   24.4331   26.5093   29.0505     50   27.9907   29.7067   32.3574   34.7642   37.6886     60   35.5346   37.4848   40.4817   43.1879   46.4589     70   43.2752   45.4418   48.7576   51.7393   55.3290     80   51.1720   53.5400   57.1532   60.3915   64.2778     90   59.1963   61.7541   65.6466   69.1260   73.2912	26	11.1603	12.1981	13.8439	15.3791	17.2919
29 13.1211 14.2565 16.0471 17.7083 19.7677   30 13.7867 14.9535 16.7908 18.4926 20.5992   40 20.7065 22.1643 24.4331 26.5093 29.0505   50 27.9907 29.7067 32.3574 34.7642 37.6886   60 35.5346 37.4848 40.4817 43.1879 46.4589   70 43.2752 45.4418 48.7576 51.7393 55.3290   80 51.1720 53.5400 57.1532 60.3915 64.2778   90 59.1963 61.7541 65.6466 69.1260 73.2912	27	11.8076	12.8786	14.5733	16.1513	18.1138
30 13.7867 14.9535 16.7908 18.4926 20.5992   40 20.7065 22.1643 24.4331 26.5093 29.0505   50 27.9907 29.7067 32.3574 34.7642 37.6886   60 35.5346 37.4848 40.4817 43.1879 46.4589   70 43.2752 45.4418 48.7576 51.7393 55.3290   80 51.1720 53.5400 57.1532 60.3915 64.2778   90 59.1963 61.7541 65.6466 69.1260 73.2912	28	12.4613	13.5648	15.3079	16.9279	18.9392
40   20.7065   22.1643   24.4331   26.5093   29.0505     50   27.9907   29.7067   32.3574   34.7642   37.6886     60   35.5346   37.4848   40.4817   43.1879   46.4589     70   43.2752   45.4418   48.7576   51.7393   55.3290     80   51.1720   53.5400   57.1532   60.3915   64.2778     90   59.1963   61.7541   65.6466   69.1260   73.2912	29	13.1211	14.2565	16.0471	17.7083	19.7677
50   27.9907   29.7067   32.3574   34.7642   37.6886     60   35.5346   37.4848   40.4817   43.1879   46.4589     70   43.2752   45.4418   48.7576   51.7393   55.3290     80   51.1720   53.5400   57.1532   60.3915   64.2778     90   59.1963   61.7541   65.6466   69.1260   73.2912	30	13.7867	14.9535	16.7908	18.4926	20.5992
60   35.5346   37.4848   40.4817   43.1879   46.4589     70   43.2752   45.4418   48.7576   51.7393   55.3290     80   51.1720   53.5400   57.1532   60.3915   64.2778     90   59.1963   61.7541   65.6466   69.1260   73.2912	40	20.7065	22.1643	24.4331	26.5093	29.0505
70   43.2752   45.4418   48.7576   51.7393   55.3290     80   51.1720   53.5400   57.1532   60.3915   64.2778     90   59.1963   61.7541   65.6466   69.1260   73.2912	50	27.9907	29.7067	32.3574	34.7642	37.6886
80   51.1720   53.5400   57.1532   60.3915   64.2778     90   59.1963   61.7541   65.6466   69.1260   73.2912	60	35.5346	37.4848	40.4817	43.1879	46.4589
90 59.1963 61.7541 65.6466 69.1260 73.2912	70	43.2752	45.4418	48.7576	51.7393	55.3290
	80	51.1720	53.5400	57.1532	60.3915	64.2778
100 67.3276 70.0648 74.2219 77.9295 82.3581	90	59.1963	61.7541	65.6466	69.1260	73.2912
	100	67.3276	70.0648	74.2219	77.9295	82.3581

Table 6 (Continued)

$\chi^{2}_{0.100}$	$\chi^{2}_{0.050}$	$\chi^{2}_{0.025}$	$\chi^{2}_{0.010}$	$\chi^{2}_{0.005}$	df
2.70554	3.84146	5.02389	6.63490	7.87944	1
4.60517	5.99147	7.37776	9.21034	10.5966	2
6.25139	7.81473	9.34840	11.3449	12.8381	3
7.77944	9.48773	11.1433	13.2767	14.8602	4
9.23635	11.0705	12.8325	15.0863	16.7496	5
10.6446	12.5916	14.4494	16.8119	18.5476	6
12.0170	14.0671	16.0128	18.4753	20.2777	7
13.3616	15.5073	17.5346	20.0902	21.9550	8
14.6837	16.9190	19.0228	21.6660	23.5893	9
15.9871	18.3070	20.4831	23.2093	25.1882	10
17.2750	19.6751	21.9200	24.7250	26.7569	11
18.5494	21.0261	23.3367	26.2170	28.2995	12
19.8119	22.3621	24.7356	27.6883	29.8194	13
21.0642	23.6848	26.1190	29.1413	31.3193	14
22.3072	24.9958	27.4884	30.5779	32.8013	15
23.5418	26.2962	28.8454	31.9999	34.2672	16
24.7690	27.5871	30.1910	33.4087	35.7185	17
25.9894	28.8693	31.5264	34.8053	37.1564	18
27.2036	30.1435	32.8523	36.1908	38.5822	19
28.4120	31.4104	34.1696	37.5662	39.9968	20
29.6151	32.6705	35.4789	38.9321	41.4010	21
30.8133	33.9244	36.7807	40.2894	42.7956	22
32.0069	35.1725	38.0757	41.6384	44.1813	23
33.1963	36.4151	39.3641	42.9798	45.5585	24
34.3816	37.6525	40.6465	44.3141	46.9278	25
35.5631	38.8852	41.9232	45.6417	48.2899	26
36.7412	40.1133	43.1944	46.9630	49.6449	27
37.9159	41.3372	44.4607	48.2782	50.9933	28
39.0875	42.5569	45.7222	49.5879	52.3356	29
40.2560	43.7729	46.9792	50.8922	53.6720	30
51.8050	55.7585	59.3417	63.6907	66.7659	40
63.1671	67.5048	71.4202	76.1539	79.4900	50
74.3970	79.0819	83.2976	88.3794	91.9517	60
85.5271	90.5312	95.0231	100.425	104.215	70
96.5782	101.879	106.629	112.329	116.321	80
107.565	113.145	118.136	124.116	128.299	90
118.498	124.342	129.561	135.807	140.169	100

From "Tables of the Percentage Points of the  $\chi^2$ -Distribution." *Biometrika*, Vol. 32 (1941), pp. 188–189, by Catherine M. Thompson.