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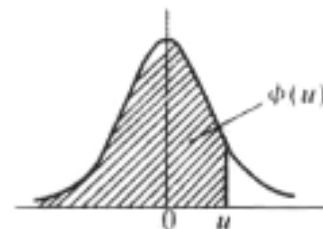
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附表 1 正态分布函数表

$$\Phi(u) = \int_{-\infty}^u \frac{1}{\sqrt{2\pi}} e^{-\frac{t^2}{2}} dt$$



u	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	0.500000	0.503989	0.507978	0.511966	0.515953	0.519939	0.523922	0.527903	0.531881	0.535856
0.1	0.539828	0.543795	0.547758	0.551717	0.555670	0.559618	0.563559	0.567495	0.571424	0.575345
0.2	0.579260	0.583166	0.587064	0.590954	0.594835	0.598706	0.602568	0.606420	0.610261	0.614092
0.3	0.617911	0.621720	0.625516	0.629300	0.633072	0.636831	0.640576	0.644309	0.648027	0.651732
0.4	0.655422	0.659097	0.662757	0.666402	0.670031	0.673645	0.677242	0.680822	0.684386	0.687933
0.5	0.691462	0.694974	0.698468	0.701944	0.705401	0.708840	0.712260	0.715661	0.719043	0.722405
0.6	0.725747	0.729069	0.732371	0.735653	0.738914	0.742154	0.745373	0.748571	0.751748	0.754903
0.7	0.758036	0.761148	0.764238	0.767305	0.770350	0.773373	0.776373	0.779350	0.782305	0.785236
0.8	0.788145	0.791030	0.793892	0.796731	0.799546	0.802337	0.805105	0.807850	0.810570	0.813267
0.9	0.815940	0.818589	0.821214	0.823814	0.826391	0.828944	0.831472	0.833977	0.836457	0.838913
1.0	0.841345	0.843752	0.846136	0.848495	0.850830	0.853141	0.855428	0.857690	0.859929	0.862143
1.1	0.864334	0.866500	0.868643	0.870762	0.872857	0.874928	0.876976	0.879000	0.881000	0.882977
1.2	0.884930	0.886861	0.888768	0.890651	0.892512	0.894350	0.896165	0.897958	0.899727	0.901475
1.3	0.903200	0.904902	0.906582	0.908241	0.909877	0.911492	0.913085	0.914657	0.916207	0.917736
1.4	0.919243	0.920730	0.922196	0.923641	0.925066	0.926471	0.927855	0.929219	0.930563	0.931888
1.5	0.933193	0.934478	0.935745	0.936992	0.938220	0.939429	0.940620	0.941792	0.942947	0.944083
1.6	0.945201	0.946301	0.947384	0.948449	0.949497	0.950529	0.951543	0.952540	0.953521	0.954486
1.7	0.955435	0.956367	0.957284	0.958185	0.959070	0.959941	0.960796	0.961636	0.962462	0.963273
1.8	0.964070	0.964852	0.965620	0.966375	0.967116	0.967843	0.968557	0.969258	0.969946	0.970621
1.9	0.971283	0.971933	0.972571	0.973197	0.973810	0.974412	0.975002	0.975581	0.976148	0.976705
2.0	0.977250	0.977784	0.978308	0.978822	0.979325	0.979818	0.980301	0.980774	0.981237	0.981691
2.1	0.982136	0.982571	0.982997	0.983414	0.983823	0.984222	0.984614	0.984997	0.985371	0.985738
2.2	0.986097	0.986447	0.986791	0.987126	0.987455	0.987776	0.988089	0.988396	0.988696	0.988989
2.3	0.989276	0.989556	0.989830	0.990097	0.990358	0.990613	0.990863	0.991106	0.991344	0.991576
2.4	0.991802	0.992024	0.992240	0.992451	0.992656	0.992857	0.993053	0.993244	0.993431	0.993613

续附表1正态分布函数表

u	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
2.5	0.993790	0.993963	0.994132	0.994297	0.994457	0.994614	0.994766	0.994915	0.995060	0.995201
2.6	0.995339	0.995473	0.995604	0.995731	0.995855	0.995975	0.996093	0.996207	0.996319	0.996427
2.7	0.996533	0.996636	0.996736	0.996833	0.996928	0.997020	0.997110	0.997197	0.997282	0.997365
2.8	0.997445	0.997523	0.997599	0.997673	0.997744	0.997814	0.997882	0.997948	0.998012	0.998074
2.9	0.998134	0.998193	0.998250	0.998305	0.998359	0.998411	0.998462	0.998511	0.998559	0.998605
3.0	0.998650	0.998694	0.998736	0.998777	0.998817	0.998856	0.998893	0.998930	0.998965	0.998999
3.1	0.999032	0.999065	0.999096	0.999126	0.999155	0.999184	0.999211	0.999238	0.999264	0.999289
3.2	0.999313	0.999336	0.999359	0.999381	0.999402	0.999423	0.999443	0.999462	0.999481	0.999499
3.3	0.999517	0.999534	0.999550	0.999566	0.999581	0.999596	0.999610	0.999624	0.999638	0.999651
3.4	0.999663	0.999675	0.999687	0.999698	0.999709	0.999720	0.999730	0.999740	0.999749	0.999758
3.5	0.999767	0.999776	0.999784	0.999792	0.999800	0.999807	0.999815	0.999822	0.999828	0.999835
3.6	0.999841	0.999847	0.999853	0.999858	0.999864	0.999869	0.999874	0.999879	0.999883	0.999888
3.7	0.999892	0.999896	0.999900	0.999904	0.999908	0.999912	0.999915	0.999918	0.999922	0.999925
3.8	0.999928	0.999931	0.999933	0.999936	0.999938	0.999941	0.999943	0.999946	0.999948	0.999950
3.9	0.999952	0.999954	0.999956	0.999958	0.999959	0.999961	0.999963	0.999964	0.999966	0.999967
4.0	0.999968	0.999970	0.999971	0.999972	0.999973	0.999974	0.999975	0.999976	0.999977	0.999978
4.1	0.999979	0.999980	0.999981	0.999982	0.999983	0.999983	0.999984	0.999985	0.999985	0.999986
4.2	0.999987	0.999987	0.999988	0.999988	0.999989	0.999989	0.999990	0.999990	0.999991	0.999991
4.3	0.999991	0.999992	0.999992	0.999993	0.999993	0.999993	0.999993	0.999994	0.999994	0.999994
4.4	0.999995	0.999995	0.999995	0.999995	0.999996	0.999996	0.999996	0.999996	0.999996	0.999996
4.5	0.999997	0.999997	0.999997	0.999997	0.999997	0.999997	0.999997	0.999998	0.999998	0.999998
4.6	0.999998	0.999998	0.999998	0.999998	0.999998	0.999998	0.999998	0.999998	0.999999	0.999999
4.7	0.999999	0.999999	0.999999	0.999999	0.999999	0.999999	0.999999	0.999999	0.999999	0.999999
4.8	0.999999	0.999999	0.999999	0.999999	0.999999	0.999999	0.999999	0.999999	0.999999	0.999999
4.9	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

本表对于 u 给出正态分布函数 $\Phi(u)$ 的数值。

例：对于 $u = 1.33$, $\Phi(u) = 0.908241$ 。

(续) 正态分布分位数表

$$u_p: \int_{-\infty}^u \frac{1}{\sqrt{2\pi}} e^{-\frac{z^2}{2}} dz = p$$



p	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009
0.50	0.000000	0.002507	0.005013	0.007520	0.010027	0.012533	0.015040	0.017547	0.020054	0.022562
0.51	0.025069	0.027576	0.030084	0.032592	0.035100	0.037608	0.040117	0.042626	0.045135	0.047644
0.52	0.050154	0.052664	0.055174	0.057684	0.060195	0.062707	0.065219	0.067731	0.070243	0.072756
0.53	0.075270	0.077784	0.080298	0.082813	0.085329	0.087845	0.090361	0.092879	0.095396	0.097915
0.54	0.100434	0.102953	0.105474	0.107995	0.110516	0.113039	0.115562	0.118085	0.120610	0.123135
0.55	0.125661	0.128188	0.130716	0.133245	0.135774	0.138304	0.140835	0.143367	0.145900	0.148434
0.56	0.150969	0.153505	0.156042	0.158580	0.161119	0.163658	0.166199	0.168741	0.171285	0.173829
0.57	0.176374	0.178921	0.181468	0.184017	0.186567	0.189118	0.191671	0.194225	0.196780	0.199336
0.58	0.201893	0.204452	0.207013	0.209574	0.212137	0.214702	0.217267	0.219835	0.222403	0.224973
0.59	0.227545	0.230118	0.232693	0.235269	0.237847	0.240426	0.243007	0.245590	0.248174	0.250760
0.60	0.253347	0.255936	0.258527	0.261120	0.263714	0.266311	0.268909	0.271508	0.274110	0.276714
0.61	0.279319	0.281926	0.284536	0.287147	0.289760	0.292375	0.294992	0.297611	0.300232	0.302855
0.62	0.305481	0.308108	0.310738	0.313369	0.316003	0.318639	0.321278	0.323918	0.326561	0.329206
0.63	0.331853	0.334503	0.337155	0.339809	0.342466	0.345126	0.347787	0.350451	0.353118	0.355787
0.64	0.358459	0.361133	0.363810	0.366489	0.369171	0.371856	0.374543	0.377234	0.379926	0.382622
0.65	0.385320	0.388022	0.390726	0.393433	0.396142	0.398855	0.401571	0.404289	0.407011	0.409735
0.66	0.412463	0.415194	0.417928	0.420665	0.423405	0.426168	0.428895	0.431644	0.434397	0.437154
0.67	0.439913	0.442676	0.445443	0.448212	0.450985	0.453762	0.456542	0.459326	0.462113	0.464904
0.68	0.467699	0.470497	0.473299	0.476104	0.478914	0.481727	0.484544	0.487365	0.490189	0.493018
0.69	0.495850	0.498687	0.501527	0.504372	0.507221	0.510073	0.512930	0.515792	0.518657	0.521527
0.70	0.524401	0.527279	0.530161	0.533049	0.535940	0.538836	0.541737	0.544642	0.547551	0.550466
0.71	0.553385	0.556308	0.559237	0.562170	0.565108	0.568051	0.570999	0.573952	0.576910	0.579873
0.72	0.582842	0.585815	0.588793	0.591777	0.594766	0.597760	0.600760	0.603765	0.606775	0.609791
0.73	0.612813	0.615840	0.618873	0.621912	0.624956	0.628006	0.631062	0.634124	0.637192	0.640266
0.74	0.643345	0.646431	0.649524	0.652622	0.655727	0.658838	0.661955	0.665079	0.668209	0.671346

续附表1正态分布函数表

P	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009
0.75	0.674490	0.677640	0.680797	0.683961	0.687131	0.690309	0.693493	0.696685	0.699884	0.703089
0.76	0.706303	0.709523	0.712751	0.715986	0.719229	0.722479	0.725737	0.729003	0.732276	0.735558
0.77	0.738847	0.742144	0.745450	0.748763	0.752085	0.755415	0.758754	0.762101	0.765456	0.768820
0.78	0.772193	0.775575	0.778966	0.782365	0.785774	0.789192	0.792619	0.796055	0.799501	0.802956
0.79	0.806421	0.809896	0.813380	0.816875	0.820379	0.823894	0.827418	0.830953	0.834499	0.838055
0.80	0.841621	0.845199	0.848787	0.852386	0.855996	0.859617	0.863250	0.866894	0.870550	0.874217
0.81	0.877896	0.881587	0.885290	0.889006	0.892733	0.896473	0.900226	0.903991	0.907770	0.911561
0.82	0.915365	0.919183	0.923014	0.926859	0.930717	0.934589	0.938476	0.942376	0.946291	0.950221
0.83	0.954165	0.958124	0.962099	0.966088	0.970093	0.974114	0.978150	0.982203	0.986271	0.990356
0.84	0.994458	0.998576	1.002712	1.006844	1.011034	1.015222	1.019428	1.023651	1.027893	1.032154
0.85	1.036433	1.040732	1.045050	1.049387	1.053744	1.058122	1.062519	1.066938	1.071377	1.075837
0.86	1.080319	1.084823	1.089349	1.093897	1.098468	1.103063	1.107680	1.112321	1.116987	1.121677
0.87	1.126391	1.131131	1.135896	1.140687	1.145505	1.150349	1.155221	1.160120	1.165047	1.170002
0.88	1.174987	1.180001	1.185044	1.190118	1.195223	1.200359	1.205527	1.210727	1.215960	1.221227
0.89	1.226528	1.231864	1.237235	1.242641	1.248085	1.253565	1.259084	1.264641	1.270238	1.275874
0.90	1.281552	1.287271	1.293032	1.298837	1.304685	1.310579	1.316519	1.322505	1.328539	1.334622
0.91	1.340755	1.346939	1.353174	1.359463	1.365806	1.372204	1.378659	1.385172	1.391744	1.398377
0.92	1.405072	1.411830	1.418654	1.425544	1.432503	1.439531	1.446632	1.453806	1.461056	1.468384
0.93	1.475791	1.483280	1.490853	1.498513	1.506262	1.514102	1.522036	1.530068	1.538199	1.546433
0.94	1.554774	1.563224	1.571787	1.580467	1.589268	1.598193	1.607248	1.616436	1.625763	1.635234
0.95	1.644854	1.654628	1.664563	1.674665	1.684941	1.695398	1.706043	1.716886	1.727934	1.739198
0.96	1.750686	1.762410	1.774382	1.786613	1.799118	1.811911	1.825007	1.838424	1.852180	1.866296
0.97	1.880794	1.895698	1.911036	1.926837	1.943134	1.959964	1.977368	1.995393	2.014091	2.033520
0.98	2.053749	2.074855	2.096927	2.120072	2.144411	2.170090	2.197286	2.226212	2.257219	2.290368
0.99	2.326348	2.365618	2.408916	2.457263	2.512144	2.575829	2.652070	2.747781	2.878162	3.090232

本表对于下侧概率 p 给出正态分布的分位数 u_p 。

例：对于 $p=0.95$, $u_p=1.644\ 854$ 。

附表 2 二项分布可靠性单侧下限表

GAMMA = 0.8

F n	0	1	2	3	4	5	6	7	8	9	10
81	.9803	.9635	.9479	.9330	.9184	.9041	.8901	.8762	.8625	.8488	.8353
82	.9806	.9639	.9485	.9338	.9194	.9053	.8914	.8777	.8641	.8506	.8373
83	.9808	.9644	.9491	.9346	.9203	.9064	.8927	.8791	.8657	.8524	.8392
84	.9810	.9648	.9497	.9353	.9213	.9075	.8939	.8805	.8673	.8541	.8411
85	.9812	.9652	.9503	.9361	.9222	.9086	.8952	.8819	.8688	.8558	.8429
86	.9815	.9656	.9509	.9368	.9231	.9096	.8964	.8833	.8703	.8574	.8447
87	.9817	.9660	.9515	.9375	.9240	.9106	.8975	.8846	.8718	.8590	.8464
88	.9819	.9664	.9520	.9382	.9248	.9116	.8987	.8859	.8732	.8606	.8481
89	.9821	.9667	.9525	.9385	.9256	.9126	.8998	.8871	.8746	.8621	.8498
90	.9823	.9671	.9531	.9396	.9264	.9136	.9009	.8884	.8759	.8636	.8514
91	.9825	.9675	.9536	.9402	.9272	.9145	.9020	.8896	.8773	.8651	.8530
92	.9827	.9678	.9541	.9409	.9280	.9154	.9030	.8907	.8786	.8665	.8546
93	.9828	.9681	.9546	.9415	.9288	.9163	.9040	.8919	.8799	.8680	.8561
94	.9830	.9685	.9550	.9421	.9295	.9172	.9050	.8930	.8811	.8693	.8576
95	.9832	.9688	.9555	.9427	.9303	.9181	.9060	.8941	.8824	.8707	.8591
96	.9834	.9691	.9560	.9433	.9310	.9189	.9070	.8952	.8836	.8720	.8605
97	.9835	.9694	.9564	.9439	.9317	.9197	.9079	.8963	.8847	.8733	.8619
98	.9837	.9698	.9568	.9444	.9324	.9205	.9088	.8973	.8859	.8746	.8633
99	.9839	.9701	.9573	.9450	.9330	.9213	.9098	.8983	.8870	.8758	.8647

GAMMA=0.8 续附表2二项分布可靠性单侧下限表

$n \backslash F$	0	1	2	3	4	5	6	7	8	9	10
100	.9840	.9704	.9577	.9455	.9337	.9221	.9106	.8993	.8881	.8770	.8660
101	.9842	.9706	.9581	.9461	.9344	.9228	.9115	.9003	.8892	.8782	.8673
102	.9843	.9709	.9585	.9466	.9350	.9236	.9124	.9013	.8903	.8794	.8686
103	.9845	.9712	.9589	.9471	.9356	.9243	.9132	.9022	.8913	.8805	.8698
104	.9846	.9715	.9593	.9476	.9362	.9250	.9140	.9031	.8924	.8817	.8711
105	.9848	.9718	.9597	.9481	.9368	.9257	.9148	.9041	.8934	.8828	.8723
106	.9849	.9720	.9601	.9486	.9374	.9264	.9156	.9049	.8944	.8839	.8735
107	.9851	.9723	.9604	.9491	.9380	.9271	.9164	.9058	.8953	.8849	.8746
108	.9852	.9725	.9608	.9495	.9386	.9278	.9172	.9067	.8963	.8860	.8758
109	.9853	.9728	.9612	.9500	.9391	.9284	.9179	.9075	.8972	.8870	.8769
110	.9855	.9730	.9615	.9504	.9397	.9291	.9187	.9083	.8981	.8880	.8780
111	.9856	.9733	.9618	.9509	.9402	.9297	.9194	.9092	.8990	.8890	.8791
112	.9857	.9735	.9622	.9513	.9407	.9303	.9201	.9100	.8999	.8900	.8801
113	.9859	.9737	.9625	.9517	.9412	.9309	.9208	.9107	.9008	.8910	.8812
114	.9860	.9740	.9620	.9522	.9417	.9315	.9215	.9115	.9017	.8919	.8822
115	.9861	.9742	.9632	.9526	.9422	.9321	.9221	.9123	.9025	.8928	.8832
116	.9862	.9744	.9635	.9530	.9427	.9327	.9228	.9130	.9033	.8937	.8842
117	.9863	.9746	.9638	.9534	.9432	.9333	.9235	.9138	.9041	.8946	.8852
118	.9865	.9748	.9641	.9538	.9437	.9338	.9241	.9145	.9049	.8955	.8861
119	.9866	.9750	.9644	.9541	.9442	.9344	.9247	.9152	.9057	.8964	.8871

续附表2二项分布可靠性单侧下限表

GAMMA = 0.9

续表

F n	0	1	2	3	4	5	6	7	8	9	10
81	.9720	.9528	.9356	.9194	.9037	.8885	.8736	.8590	.8445	.8303	.8162
82	.9723	.9534	.9364	.9203	.9049	.8898	.8751	.8606	.8464	.8323	.8183
83	.9726	.9539	.9371	.9213	.9060	.8911	.8766	.8623	.8482	.8342	.8205
84	.9730	.9545	.9379	.9222	.9071	.8924	.8780	.8638	.8499	.8361	.8225
85	.9733	.9550	.9386	.9231	.9082	.8936	.8794	.8654	.8516	.8380	.8245
86	.9736	.9555	.9393	.9240	.9092	.8948	.8808	.8669	.8533	.8398	.8265
87	.9739	.9560	.9400	.9248	.9102	.8960	.8821	.8684	.8540	.8416	.8284
88	.9742	.9565	.9407	.9257	.9112	.8972	.8834	.8699	.8565	.8434	.8303
89	.9745	.9570	.9413	.9265	.9122	.8983	.8847	.8713	.8581	.8451	.8322
90	.9747	.9575	.9419	.9273	.9131	.8994	.8859	.8727	.8596	.8467	.8340
91	.9750	.9579	.9426	.9281	.9141	.9005	.8871	.8740	.8611	.8484	.8358
92	.9753	.9584	.9432	.9288	.9150	.9015	.8883	.8754	.8626	.8500	.8375
93	.9755	.9588	.9438	.9296	.9159	.9026	.8895	.8767	.8640	.8515	.8392
94	.9758	.9593	.9444	.9303	.9168	.9036	.8907	.8780	.8654	.8531	.8408
95	.9761	.9597	.9449	.9310	.9176	.9046	.8918	.8792	.8668	.8546	.8425
96	.9763	.9601	.9455	.9317	.9185	.9055	.8929	.8804	.8682	.8560	.8441
97	.9765	.9605	.9461	.9324	.9193	.9065	.8940	.8816	.8695	.8575	.8456
98	.9768	.9609	.9466	.9331	.9201	.9074	.8950	.8828	.8708	.8589	.8471
99	.9770	.9613	.9471	.9338	.9209	.9083	.8960	.8840	.8721	.8603	.8486

GAMMA=0.9 续附表2二项分布可靠性单侧下限表

$n \backslash F$	0	1	2	3	4	5	6	7	8	9	10
100	.9772	.9617	.9477	.9344	.9217	.9092	.8971	.8851	.8733	.8616	.8501
101	.9775	.9620	.9482	.9351	.9224	.9101	.8981	.8862	.8745	.8630	.8516
102	.9777	.9624	.9487	.9357	.9232	.9110	.8990	.8873	.8757	.8643	.8530
103	.9779	.9628	.9492	.9363	.9239	.9118	.9000	.8884	.8769	.8656	.8544
104	.9781	.9631	.9496	.9369	.9246	.9126	.9009	.8894	.8781	.8668	.8557
105	.9783	.9635	.9501	.9375	.9253	.9135	.9019	.8904	.8792	.8681	.8571
106	.9785	.9638	.9506	.9381	.9260	.9143	.9028	.8915	.8803	.8693	.8584
107	.9787	.9641	.9510	.9386	.9267	.9150	.9036	.8924	.8814	.8705	.8597
108	.9789	.9645	.9515	.9392	.9273	.9158	.9045	.8934	.8825	.8716	.8609
109	.9791	.9648	.9519	.9397	.9280	.9166	.9054	.8944	.8835	.8728	.8622
110	.9793	.9651	.9523	.9403	.9286	.9173	.9062	.8953	.8846	.8739	.8634
111	.9795	.9654	.9528	.9408	.9293	.9180	.9070	.8962	.8856	.8750	.8646
112	.9797	.9657	.9532	.9413	.9299	.9188	.9079	.8971	.8866	.8761	.8658
113	.9798	.9660	.9536	.9418	.9305	.9195	.9087	.8980	.8875	.8772	.8669
114	.9800	.9663	.9540	.9423	.9311	.9202	.9094	.8989	.8885	.8782	.8681
115	.9802	.9666	.9544	.9428	.9317	.9208	.9102	.8998	.8895	.8793	.8692
116	.9803	.9669	.9548	.9433	.9323	.9215	.9110	.9006	.8904	.8803	.8703
117	.9805	.9672	.9552	.9438	.9328	.9222	.9117	.9014	.8913	.8813	.8714
118	.9807	.9674	.9555	.9443	.9334	.9228	.9125	.9023	.8922	.8823	.8724
119	.9808	.9677	.9559	.9447	.9339	.9235	.9132	.9031	.8931	.8832	.8735

附表 3 二项分布可靠性单侧上限表

GAMMA = 0.9



F n	0	1	2	3	4	5	6	7	8	9	10
81	1.0000	.9987	.9934	.9863	.9783	.9697	.9606	.9513	.9417	.9318	.9218
82	1.0000	.9987	.9935	.9865	.9786	.9700	.9611	.9519	.9424	.9327	.9228
83	1.0000	.9987	.9936	.9866	.9788	.9704	.9616	.9525	.9431	.9335	.9237
84	1.0000	.9987	.9937	.9868	.9791	.9708	.9621	.9530	.9438	.9343	.9247
85	1.0000	.9988	.9937	.9870	.9793	.9711	.9625	.9536	.9444	.9351	.9256
86	1.0000	.9988	.9938	.9871	.9796	.9715	.9629	.9541	.9451	.9358	.9264
87	1.0000	.9988	.9939	.9873	.9798	.9718	.9634	.9547	.9457	.9366	.9273
88	1.0000	.9988	.9939	.9874	.9800	.9721	.9638	.9552	.9464	.9373	.9281
89	1.0000	.9988	.9940	.9876	.9803	.9724	.9642	.9557	.9470	.9380	.9290
90	1.0000	.9988	.9941	.9877	.9805	.9727	.9646	.9562	.9476	.9387	.9298
91	1.0000	.9988	.9941	.9878	.9807	.9730	.9650	.9567	.9482	.9394	.9305
92	1.0000	.9989	.9942	.9880	.9809	.9733	.9654	.9572	.9487	.9401	.9313
93	1.0000	.9989	.9943	.9881	.9811	.9736	.9658	.9576	.9493	.9407	.9321
94	1.0000	.9989	.9943	.9882	.9813	.9739	.9661	.9581	.9498	.9414	.9328
95	1.0000	.9989	.9944	.9883	.9815	.9742	.9665	.9585	.9504	.9420	.9335
96	1.0000	.9989	.9944	.9885	.9817	.9744	.9668	.9590	.9509	.9426	.9342
97	1.0000	.9989	.9945	.9886	.9819	.9747	.9672	.9594	.9514	.9432	.9349
98	1.0000	.9989	.9946	.9887	.9821	.9750	.9675	.9598	.9519	.9438	.9356
99	1.0000	.9989	.9946	.9888	.9823	.9752	.9679	.9602	.9524	.9444	.9362

续附表3 GAMMA=0.9 二项分布可靠性单侧上限表

$n \backslash F$	0	1	2	3	4	5	6	7	8	9	10
100	1.0000	.9989	.9947	.9889	.9824	.9755	.9682	.9606	.9529	.9450	.9369
101	1.0000	.9990	.9947	.9890	.9826	.9757	.9685	.9610	.9533	.9455	.9375
102	1.0000	.9990	.9948	.9891	.9828	.9760	.9688	.9614	.9538	.9460	.9381
103	1.0000	.9990	.9948	.9893	.9830	.9762	.9691	.9618	.9543	.9466	.9388
104	1.0000	.9990	.9949	.9894	.9831	.9764	.9694	.9622	.9547	.9471	.9394
105	1.0000	.9990	.9949	.9895	.9833	.9767	.9697	.9625	.9551	.9476	.9399
106	1.0000	.9990	.9950	.9896	.9834	.9769	.9700	.9629	.9556	.9481	.9405
107	1.0000	.9990	.9950	.9897	.9836	.9771	.9703	.9632	.9560	.9486	.9411
108	1.0000	.9990	.9951	.9898	.9837	.9773	.9706	.9636	.9564	.9491	.9416
109	1.0000	.9990	.9951	.9898	.9839	.9775	.9708	.9639	.9568	.9496	.9422
110	1.0000	.9990	.9952	.9899	.9840	.9777	.9711	.9642	.9572	.9500	.9427
111	1.0000	.9991	.9952	.9900	.9842	.9779	.9714	.9646	.9576	.9505	.9432
112	1.0000	.9991	.9952	.9901	.9843	.9781	.9716	.9649	.9580	.9509	.9437
113	1.0000	.9991	.9953	.9902	.9845	.9783	.9719	.9652	.9584	.9514	.9442
114	1.0000	.9991	.9953	.9903	.9846	.9785	.9721	.9655	.9587	.9518	.9447
115	1.0000	.9991	.9954	.9904	.9847	.9787	.9724	.9658	.9591	.9522	.9452
116	1.0000	.9991	.9954	.9905	.9849	.9789	.9726	.9661	.9594	.9526	.9457
117	1.0000	.9991	.9954	.9905	.9850	.9791	.9728	.9664	.9598	.9530	.9462
118	1.0000	.9991	.9955	.9906	.9851	.9792	.9731	.9667	.9601	.9534	.9466
119	1.0000	.9991	.9955	.9907	.9853	.9794	.9733	.9670	.9605	.9538	.9471

续附表3 二项附表可靠性单侧上限表

GAMMA = 0.95

续表

F n	0	1	2	3	4	5	6	7	8	9	10
81	1.0000	.9994	.9956	.9898	.9830	.9754	.9673	.9587	.9499	.9408	.9315
82	1.0000	.9994	.9956	.9900	.9832	.9757	.9677	.9592	.9505	.9415	.9323
83	1.0000	.9994	.9957	.9901	.9834	.9760	.9681	.9597	.9511	.9423	.9332
84	1.0000	.9994	.9958	.9902	.9836	.9763	.9684	.9602	.9517	.9430	.9340
85	1.0000	.9994	.9958	.9903	.9838	.9765	.9688	.9607	.9523	.9436	.9348
86	1.0000	.9994	.9959	.9904	.9840	.9768	.9692	.9612	.9529	.9443	.9355
87	1.0000	.9994	.9959	.9905	.9841	.9771	.9695	.9616	.9534	.9450	.9363
88	1.0000	.9994	.9959	.9906	.9843	.9773	.9699	.9621	.9540	.9456	.9370
89	1.0000	.9994	.9960	.9908	.9845	.9776	.9702	.9625	.9545	.9462	.9378
90	1.0000	.9994	.9960	.9909	.9847	.9779	.9706	.9629	.9550	.9468	.9385
91	1.0000	.9994	.9961	.9910	.9848	.9781	.9709	.9633	.9555	.9474	.9392
92	1.0000	.9994	.9961	.9911	.9850	.9783	.9712	.9637	.9560	.9480	.9398
93	1.0000	.9994	.9962	.9912	.9852	.9786	.9715	.9641	.9565	.9486	.9405
94	1.0000	.9995	.9962	.9912	.9853	.9788	.9718	.9645	.9569	.9491	.9411
95	1.0000	.9995	.9962	.9913	.9855	.9790	.9721	.9649	.9574	.9497	.9418
96	1.0000	.9995	.9963	.9914	.9856	.9793	.9724	.9653	.9579	.9502	.9424
97	1.0000	.9995	.9963	.9915	.9858	.9795	.9727	.9656	.9583	.9507	.9430
98	1.0000	.9995	.9964	.9916	.9859	.9797	.9730	.9660	.9587	.9513	.9436
99	1.0000	.9995	.9964	.9917	.9861	.9799	.9733	.9663	.9592	.9518	.9442

续附表3 GAMMA=0.95 二项附表可靠性单侧上限表

$n \backslash F$	0	1	2	3	4	5	6	7	8	9	10
100	1.0000	.9995	.9964	.9918	.9862	.9801	.9736	.9667	.9596	.9522	.9447
101	1.0000	.9995	.9965	.9919	.9864	.9803	.9738	.9670	.9600	.9527	.9453
102	1.0000	.9995	.9965	.9919	.9865	.9805	.9741	.9674	.9604	.9532	.9458
103	1.0000	.9995	.9965	.9920	.9866	.9807	.9743	.9677	.9608	.9537	.9464
104	1.0000	.9995	.9966	.9921	.9868	.9809	.9746	.9680	.9611	.9541	.9469
105	1.0000	.9995	.9966	.9922	.9869	.9811	.9748	.9683	.9615	.9546	.9474
106	1.0000	.9995	.9966	.9922	.9870	.9812	.9751	.9686	.9619	.9550	.9479
107	1.0000	.9995	.9967	.9923	.9871	.9814	.9753	.9689	.9623	.9554	.9484
108	1.0000	.9995	.9967	.9924	.9873	.9816	.9755	.9692	.9626	.9558	.9489
109	1.0000	.9995	.9967	.9925	.9874	.9818	.9758	.9695	.9630	.9562	.9494
110	1.0000	.9995	.9968	.9925	.9875	.9819	.9760	.9698	.9633	.9567	.9498
111	1.0000	.9995	.9968	.9926	.9876	.9821	.9762	.9700	.9636	.9571	.9503
112	1.0000	.9995	.9968	.9927	.9877	.9822	.9764	.9703	.9640	.9574	.9508
113	1.0000	.9995	.9968	.9927	.9878	.9824	.9766	.9706	.9643	.9578	.9512
114	1.0000	.9996	.9969	.9928	.9879	.9826	.9768	.9708	.9646	.9582	.9516
115	1.0000	.9996	.9969	.9929	.9880	.9827	.9770	.9711	.9649	.9586	.9521
116	1.0000	.9996	.9969	.9929	.9881	.9829	.9772	.9713	.9652	.9589	.9525
117	1.0000	.9996	.9970	.9930	.9882	.9830	.9774	.9716	.9655	.9593	.9529
118	1.0000	.9996	.9970	.9930	.9883	.9832	.9776	.9718	.9658	.9596	.9533
119	1.0000	.9996	.9970	.9931	.9884	.9833	.9778	.9721	.9661	.9600	.9537

附表 4 t 分布分位数表

$$t_p(\nu): \int_{-\infty}^t \frac{(1+t^2/\nu)^{-(\nu+1)/2}}{\sqrt{\nu}B(1/2, \nu/2)} dt = p$$

$\nu \backslash p$	0.5000	0.5500	0.6000	0.6500	0.7000	0.7500	0.8000	0.8500	0.9000	0.9500
1	0.00000	0.15838	0.32492	0.50953	0.72654	1.00000	1.37638	1.96261	3.07768	6.31375
2	0.00000	0.14213	0.28868	0.44475	0.61721	0.81650	1.06066	1.38621	1.88562	2.91999
3	0.00000	0.13660	0.27667	0.42420	0.58439	0.76489	0.97847	1.24978	1.63774	2.35336
4	0.00000	0.13383	0.27072	0.41416	0.56865	0.74070	0.94096	1.18957	1.53321	2.13185
5	0.00000	0.13218	0.26718	0.40823	0.55943	0.72669	0.91954	1.15577	1.47588	2.01505
6	0.00000	0.13108	0.26483	0.40431	0.55338	0.71756	0.90570	1.13416	1.43976	1.94318
7	0.00000	0.13029	0.26317	0.40154	0.54911	0.71114	0.89603	1.11916	1.41492	1.89458
8	0.00000	0.12971	0.26192	0.39947	0.54593	0.70639	0.88889	1.10815	1.39682	1.85955
9	0.00000	0.12925	0.26096	0.39787	0.54348	0.70272	0.88340	1.09972	1.38303	1.83311
10	0.00000	0.12889	0.26018	0.39659	0.54153	0.69981	0.87906	1.09306	1.37218	1.81246
11	0.00000	0.12859	0.25956	0.39555	0.53994	0.69745	0.87553	1.08767	1.36343	1.79588
12	0.00000	0.12835	0.25903	0.39469	0.53862	0.69548	0.87261	1.08321	1.35622	1.78229
13	0.00000	0.12814	0.25859	0.39396	0.53750	0.69383	0.87015	1.07947	1.35017	1.77093
14	0.00000	0.12796	0.25821	0.39333	0.53655	0.69242	0.86805	1.07628	1.34503	1.76131
15	0.00000	0.12781	0.25789	0.39279	0.53573	0.69120	0.86624	1.07353	1.34061	1.75305
16	0.00000	0.12767	0.25760	0.39232	0.53501	0.69013	0.86467	1.07114	1.33676	1.74588
17	0.00000	0.12755	0.25735	0.39190	0.53438	0.68920	0.86328	1.06903	1.33338	1.73961
18	0.00000	0.12745	0.25712	0.39153	0.53382	0.68836	0.86205	1.06717	1.33039	1.73406
19	0.00000	0.12735	0.25692	0.39120	0.53331	0.68762	0.86095	1.06551	1.32773	1.72913
20	0.00000	0.12727	0.25674	0.39091	0.53286	0.68695	0.85996	1.06402	1.32534	1.72472
21	0.00000	0.12719	0.25658	0.39064	0.53246	0.68635	0.85907	1.06267	1.32319	1.72074
22	0.00000	0.12712	0.25643	0.39039	0.53208	0.68581	0.85827	1.06145	1.32124	1.71714
23	0.00000	0.12706	0.25630	0.39017	0.53175	0.68531	0.85753	1.06034	1.31946	1.71387
24	0.00000	0.12700	0.25617	0.38997	0.53144	0.68485	0.85686	1.05932	1.31784	1.71088
25	0.00000	0.12694	0.25606	0.38978	0.53115	0.68443	0.85624	1.05838	1.31635	1.70814

续附表4 t 分布分位表

$\nu \backslash p$	0.5000	0.5500	0.6000	0.6500	0.7000	0.7500	0.8000	0.8500	0.9000	0.9500
26	0.00000	0.12689	0.25595	0.38961	0.53089	0.68404	0.85567	1.05752	1.31497	1.70562
27	0.00000	0.12685	0.25586	0.38945	0.53065	0.68368	0.85514	1.05673	1.31370	1.70329
28	0.00000	0.12681	0.25577	0.38930	0.53042	0.68335	0.85465	1.05599	1.31253	1.70113
29	0.00000	0.12677	0.25568	0.38916	0.53021	0.68304	0.85419	1.05530	1.31143	1.69913
30	0.00000	0.12673	0.25561	0.38903	0.53002	0.68276	0.85377	1.05406	1.31042	1.69726
32	0.00000	0.12666	0.25546	0.38880	0.52967	0.68223	0.85300	1.05350	1.30857	1.69389
34	0.00000	0.12660	0.25534	0.38859	0.52935	0.68177	0.85232	1.05248	1.30695	1.69092
36	0.00000	0.12655	0.25523	0.38841	0.52908	0.68137	0.85172	1.05158	1.30551	1.68830
38	0.00000	0.12650	0.25513	0.38825	0.52883	0.68100	0.85118	1.05077	1.30423	1.68595
40	0.00000	0.12646	0.25504	0.38810	0.52861	0.68067	0.85070	1.05005	1.30308	1.68385
45	0.00000	0.12637	0.25485	0.38779	0.52814	0.67998	0.84968	1.04852	1.30065	1.67943
50	0.00000	0.12630	0.25470	0.38754	0.52776	0.67943	0.84887	1.04729	1.29871	1.67591
55	0.00000	0.12624	0.25458	0.38734	0.52745	0.67698	0.84821	1.04630	1.29713	1.67303
60	0.00000	0.12619	0.25447	0.38717	0.52720	0.67840	0.84765	1.04547	1.29582	1.67065
65	0.00000	0.12615	0.25439	0.38703	0.52698	0.67828	0.84719	1.04477	1.29471	1.66864
70	0.00000	0.12612	0.25431	0.38691	0.52680	0.67801	0.84679	1.04417	1.29376	1.66691
80	0.00000	0.12606	0.25419	0.38671	0.52650	0.67757	0.84614	1.04320	1.29222	1.66412
90	0.00000	0.12602	0.25410	0.38655	0.52626	0.67723	0.84563	1.04244	1.29103	1.66196
100	0.00000	0.12598	0.25402	0.38643	0.52608	0.67695	0.84523	1.04184	1.29007	1.66023
110	0.00000	0.12595	0.25396	0.38633	0.52592	0.67673	0.84490	1.04134	1.28930	1.65882

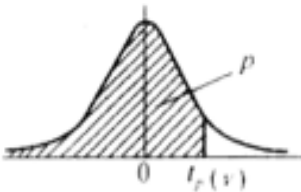
本表对于自由度 ν 和下侧概率 p 给出 t 分布的分位数 $t_p(\nu)$ 。

例：对于 $\nu = 20$ 和 $p = 0.999$, $t_p(\nu) = 3.551\ 81$ 。

当 $p < 0.5$ 时, $t_p(\nu) = -t_{1-p}(\nu)$, 例: $t_{0.001}(20) = -t_{0.999}(20) = -3.551\ 81$ 。

与双侧概率 α 相应的分位数为 $t_{1-\alpha/2}(\nu)$, 例: 对于 $\nu = 20$ 和 $\alpha = 0.002$, $t_{1-\alpha/2}(\nu) = t_{0.999}(20) = 3.551\ 81$ 。

续附表4 t 分布分位表



$\begin{array}{c} p \\ \backslash \\ v \end{array}$										
	0.9750	0.9800	0.9900	0.9950	0.9975	0.9980	0.9990	0.9995	0.9998	0.9999
1	12.70620	15.89454	31.82052	63.65674	127.32134	159.15285	318.30884	636.61925	1591.5492	3183.0988
2	4.30265	4.84873	6.96456	9.92484	14.08905	15.76391	2.32712	31.59905	49.98500	70.70007
3	3.18245	3.48191	4.54070	5.84091	7.45332	8.05261	10.21453	12.92398	17.59794	22.20374
4	2.77645	2.99853	3.74695	4.60409	5.59757	5.95137	7.17318	8.61030	10.91550	13.03367
5	2.57058	2.75651	3.36493	4.03214	4.77334	5.03024	5.89343	6.86883	8.36342	9.67757
6	2.44691	2.61224	3.14267	3.70743	4.31683	4.52413	5.20763	5.95882	7.07322	8.02479
7	2.36462	2.51675	2.99795	3.49948	4.02934	4.20712	4.78529	5.40788	6.31077	7.06343
8	2.30600	2.44898	2.89646	3.35539	3.83252	3.99095	4.50079	5.04131	5.81126	6.44200
9	2.26216	2.39844	2.82144	3.24984	3.68966	3.83451	4.29681	4.78091	5.46002	6.01013
10	2.22814	2.35931	2.76377	3.16927	3.58141	3.71624	4.14370	4.58689	5.20224	5.69382
11	2.20099	2.32814	2.71808	3.10581	3.49661	3.62377	4.02470	4.43698	5.00400	5.45276
12	2.17881	2.30272	2.68100	3.05454	3.42844	3.54954	3.92963	4.31779	4.84740	5.26327
13	2.16037	2.28160	2.65031	3.01228	3.37247	3.48867	3.85198	4.22083	4.72069	5.11058
14	2.14479	2.26378	2.62449	2.97684	3.32570	3.43787	3.78759	4.14045	4.61613	4.98501
15	2.13145	2.24854	2.60248	2.94671	3.28604	3.39483	3.73283	4.07277	4.52842	4.88000
16	2.11991	2.23536	2.58349	2.92078	3.25199	3.35791	3.68615	4.01500	4.45382	4.79091
17	2.10982	2.22385	2.56693	2.89823	3.22245	3.32590	3.64577	3.96513	4.38962	4.71441
18	2.10092	2.21370	2.55238	2.87844	3.19657	3.29788	3.61048	3.92165	4.33378	4.64801
19	2.09302	2.20470	2.53948	2.86093	3.17372	3.27315	3.57940	3.88341	4.28479	4.58986
20	2.08596	2.19666	2.52798	2.84534	3.15340	3.25116	3.55181	3.84952	4.24147	4.53852

续附表4 t 分布分位表

$\begin{matrix} p \\ v \end{matrix}$	0.9750	0.9800	0.9900	0.9950	0.9975	0.9980	0.9990	0.9995	0.9998	0.9999
21	2.07961	2.18943	2.51765	2.83136	3.13521	3.23149	3.52715	3.81928	4.20288	4.49286
22	2.07387	2.18289	2.50832	2.81876	3.11882	3.21378	3.50499	3.79213	4.16830	4.45199
23	2.06866	2.17696	2.49987	2.80734	3.10400	3.19776	3.48496	3.76763	4.13714	4.41520
24	2.06390	2.17154	2.49216	2.79694	3.09051	3.18320	3.46678	3.74540	4.10891	4.38192
25	2.05954	2.16659	2.48511	2.78744	3.07820	3.16990	3.45019	3.72514	4.08322	4.35165
26	2.05553	2.16203	2.47863	2.77871	3.06691	3.15772	3.43500	3.70661	4.05974	4.32402
27	2.05183	2.15782	2.47266	2.77068	3.05652	3.14651	3.42103	3.68959	4.03820	4.29870
28	2.04841	2.15393	2.46714	2.76326	3.04693	3.13616	3.40816	3.67391	4.01837	4.27540
29	2.04523	2.15033	2.46202	2.75639	3.03805	3.12658	3.39624	3.65941	4.00006	4.25389
30	2.04227	2.14697	2.45726	2.75000	3.02980	3.11768	3.38518	3.64596	3.98309	4.23399
32	2.03693	2.14090	2.44868	2.73848	3.01495	3.10167	3.36531	3.62180	3.95265	4.19830
34	2.03224	2.13558	2.44115	2.72839	3.00195	3.08767	3.34793	3.60072	3.92611	4.16722
36	2.02809	2.13087	2.43449	2.71948	2.99049	3.07531	3.33262	3.58215	3.90278	4.13993
38	2.02439	2.12667	2.42857	2.71156	2.98029	3.06433	3.31903	3.56568	3.88210	4.11576
40	2.02108	2.12291	2.42326	2.70446	2.97117	3.05451	3.30688	3.55097	3.86365	4.09421
45	2.01410	2.11500	2.41212	2.68959	2.95208	3.03396	3.28148	3.52025	3.82518	4.04934
50	2.00856	2.10872	2.40327	2.67779	2.93696	3.01770	3.26141	3.49601	3.79489	4.01405
55	2.00404	2.10361	2.39608	2.66822	2.92470	3.00451	3.24515	3.47640	3.77041	3.98556
60	2.00030	2.09936	2.39012	2.66028	2.91455	2.99359	3.23171	3.46021	3.75022	3.96209
65	1.99714	2.09578	2.38510	2.65360	2.90602	2.98442	3.22041	3.44660	3.73328	3.96241
70	1.99444	2.09273	2.38081	2.64790	2.89873	2.97659	3.21079	3.43501	3.71887	3.92568
80	1.99006	2.08778	2.37387	2.63869	2.88697	2.96395	3.19526	3.41634	3.69565	3.89876
90	1.98667	2.08394	2.36850	2.63157	2.87788	2.95419	3.18327	3.40194	3.67777	3.87804
100	1.98397	2.08088	2.36422	2.62589	2.87065	2.94642	3.17374	3.39049	3.66358	3.86160
110	1.98177	2.07839	2.34073	2.62126	2.86476	2.94009	3.16598	3.38118	3.65204	3.84824

附表 5 χ^2 分布分位数表

$$\chi_p^2(\nu): \int_0^{\chi^2} \frac{1}{2\Gamma(\nu/2)} (\chi^2/2)^{\nu/2-1} e^{-\chi^2/2} d\chi^2 = p$$



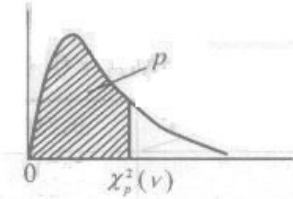
$\nu \backslash p$	0.0500	0.1000	0.1500	0.2000	0.2500	0.3000	0.4000	0.5000
1	0.00393	0.01579	0.03577	0.06418	0.10153	0.14847	0.27500	0.45494
2	0.10259	0.21072	0.32504	0.44629	0.57536	0.71335	1.02165	1.38629
3	0.35185	0.58437	0.79777	1.00517	1.21253	1.42365	1.86917	2.36597
4	0.71072	1.06362	1.36648	1.64878	1.92256	2.19470	2.75284	3.35669
5	1.14548	1.61031	1.99382	2.34253	2.67460	2.99991	3.65550	4.35146
6	1.63538	2.20413	2.66127	3.07009	3.45460	3.82755	4.57015	5.34812
7	2.16735	2.83311	3.35828	3.82232	4.25485	4.67133	5.49323	6.34581
8	2.73264	3.48954	4.07820	4.59357	5.07064	5.52742	6.42265	7.34412
9	3.32511	4.16816	4.81652	5.38005	5.89883	6.39331	7.35703	8.34283
10	3.94030	4.86518	5.57006	6.17908	6.73720	7.26722	8.29547	9.34182
11	4.57481	5.57778	6.33643	6.98867	7.58414	8.14787	9.23729	10.34100
12	5.22603	6.30380	7.11384	7.80733	8.43842	9.03428	10.18197	11.34032
13	5.89186	7.04150	7.90084	8.63386	9.29907	9.92568	11.12914	12.33976
14	6.57063	7.78953	8.69630	9.46733	10.14531	10.82148	12.07848	13.33927
15	7.26094	8.54676	9.49928	10.30696	11.03654	11.72117	13.02975	14.33886
16	7.96165	9.31224	10.30902	11.15212	11.91222	12.62435	13.98274	15.33850
17	8.67176	10.08519	11.12486	12.00227	12.79193	13.53068	14.93727	16.33818
18	9.39046	10.86494	11.94625	12.85695	13.87529	14.43986	15.89321	17.33790
19	10.11701	11.65091	12.77272	13.71579	14.56200	15.35166	16.85043	18.33765
20	10.85081	12.44261	13.60386	14.57844	15.45177	16.26586	17.80883	19.33743
21	11.59131	13.23960	14.43931	15.44461	16.34438	17.18227	18.76831	20.33723
22	12.33801	14.04149	15.27875	16.31404	17.23962	18.10072	19.72879	21.33704
23	13.09051	14.84796	16.12192	17.18651	18.13739	19.02109	20.69020	22.33688
24	13.84843	15.65868	16.96856	18.06180	19.03725	19.94323	21.65249	23.33673
25	14.61141	16.47341	17.81845	18.93975	19.93934	20.86703	22.61558	24.33659

续附表5 χ^2 分布分位数表

$\nu \backslash p$	0.0500	0.1000	0.1500	0.2000	0.2500	0.3000	0.4000	0.5000
26	15.37916	17.29188	18.67139	19.82019	20.84343	21.79240	23.57943	25.33646
27	16.15140	18.11390	19.52720	20.70298	21.74940	22.71924	24.54400	26.33634
28	16.92788	18.93924	20.38573	21.58797	22.65716	23.64746	25.50925	27.33623
29	17.70837	19.76774	21.24682	22.47505	23.56659	24.57699	26.47513	28.33613
30	18.49266	20.59923	22.11034	23.36411	24.47761	25.59776	27.44162	29.33603
31	19.28057	21.43356	22.97617	24.25506	25.39014	26.43971	28.40868	30.33594
32	20.07191	22.27059	23.84419	25.14779	26.30411	27.37277	29.37629	31.33586
33	20.86653	23.11020	24.71430	26.04222	27.21944	28.30691	30.34441	32.33578
34	21.66428	23.95225	25.58641	26.93827	28.13608	29.24205	31.31303	33.33571
35	22.46502	24.79665	26.46042	27.83587	29.05396	30.17817	32.28212	34.33564
36	23.26861	25.64330	27.33625	28.73496	29.97304	31.11522	33.25166	35.33557
37	24.07494	26.49209	28.21382	29.63547	30.89326	32.05315	34.22163	36.33551
38	24.88390	27.34295	29.09307	30.53734	31.81457	32.99194	35.19201	37.33545
39	25.69539	28.19579	29.97393	31.44052	32.73693	33.93155	36.16280	38.33540
40	26.50930	29.05052	30.85632	32.34495	33.66029	34.87194	37.13396	39.33534
41	27.32555	29.90709	31.74021	33.25060	34.58464	35.81309	38.10549	40.33529
42	28.14405	30.76542	32.62552	34.15740	35.50991	36.75496	39.07738	41.33525
43	28.96472	31.62545	33.51222	35.06534	36.43609	37.69754	40.04960	42.33520
44	29.78748	32.48713	34.40024	35.97435	37.36313	38.64079	41.02215	43.33516
45	30.61226	33.35038	35.28955	36.88441	38.29102	39.58470	41.99502	44.33512
46	31.43900	34.21517	36.18010	37.79548	39.21971	40.52924	42.96820	45.33508
47	32.26762	35.08143	37.07185	38.70752	40.14919	41.47439	43.94167	46.33504
48	33.09808	35.94913	37.96476	39.62051	41.07943	42.42013	44.91543	47.33500
49	33.93031	36.81822	38.85880	40.53442	42.01040	43.36644	45.88947	48.33497
50	34.76425	37.68865	39.75393	41.44921	42.94208	44.31331	46.86378	49.33494

本表对于自由度 ν 和下侧概率 p 给出 χ^2 分布的分位数 $\chi_p^2(\nu)$ 。

例：对于 $\nu = 15$ 和 $p = 0.5$, $\chi_p^2(\nu) = 14.338\ 86$ 。

续附表5 χ^2 分布分位数表

$\begin{array}{c c} p \\ \hline v \end{array}$	0.6000	0.6500	0.7000	0.7500	0.8000	0.8500	0.9000	0.9500	0.9750
1	0.70833	0.87346	1.07419	1.32330	1.64237	2.07225	2.70554	3.84146	5.02389
2	1.83258	2.09964	2.40795	2.77259	3.21888	3.79424	4.60517	5.99146	7.37776
3	2.94617	3.28311	3.66487	4.10834	4.64163	5.31705	6.25139	7.81475	9.34840
4	4.04463	4.43769	4.87843	5.38527	5.98862	6.74488	7.77944	9.48773	11.14329
5	5.13187	5.57307	6.06443	6.62568	7.28928	8.11520	9.23636	11.07050	12.83250
6	6.21076	6.69476	7.23114	7.84080	8.55806	9.44610	10.64464	12.59159	14.44938
7	7.28321	7.80612	8.38343	9.03715	9.80325	10.74790	12.01704	14.06714	16.01276
8	8.35053	8.90936	9.52446	10.21885	11.03009	12.02707	13.36157	15.50731	17.53455
9	9.41364	10.00600	10.65637	11.38875	12.24215	13.28804	14.68366	16.91898	19.02277
10	10.47324	11.09714	11.78072	12.54886	13.44196	14.53394	15.98718	18.30704	20.48318
11	11.52983	12.18363	12.89867	13.70069	14.63142	15.76710	17.27501	19.67514	21.92005
12	12.58384	13.26610	14.01110	14.84540	15.81199	16.98931	18.54935	21.02607	23.33666
13	13.63557	14.34506	15.11872	15.98391	16.98480	18.20198	19.81193	22.36203	24.73560
14	14.68529	15.42092	16.22210	17.11693	18.15077	19.40624	21.06414	23.68479	26.11895
15	15.73322	16.49401	17.32169	18.24509	19.31066	20.60301	22.50713	24.99579	27.48839
16	16.77954	17.56463	18.41789	19.36886	20.46508	21.79306	23.54183	26.29623	28.84535
17	17.82439	18.63299	19.51102	20.48868	21.61456	22.97703	24.76904	27.58711	30.19101
18	18.86790	19.69931	20.60135	21.60489	22.75955	24.15547	25.98942	28.86930	31.52638
19	19.91020	20.76376	21.68913	22.71781	23.90042	25.32885	27.20357	30.14353	32.85233
20	20.95137	21.82648	22.77455	23.82769	25.03751	26.49758	28.41198	31.41043	34.16961
21	21.99150	22.88761	23.85779	24.93478	26.17110	27.66201	29.61509	32.67057	35.47888
22	23.03066	23.94726	24.93902	26.03927	27.30145	28.82245	30.81328	33.92444	36.78071
23	24.06892	25.00554	26.01837	27.14134	28.42879	29.97919	32.00690	35.17246	38.07563
24	25.10635	26.06252	27.09596	28.24115	29.55332	31.13246	33.19624	36.41503	39.36408
25	26.14298	27.11831	28.17192	29.33885	30.67520	32.28249	34.38159	37.65248	40.64647

续附表5 χ^2 分布分位数表

$\nu \backslash p$	0.6000	0.6500	0.7000	0.7500	0.8000	0.8500	0.9000	0.9500	0.9750
26	27.17888	28.17296	29.24633	30.43457	31.79461	33.42947	35.56317	38.88514	41.92317
27	28.21408	29.22655	30.31929	31.52841	32.91169	34.57358	36.74122	40.11327	43.19451
28	29.24862	30.27914	31.39088	32.62049	34.02657	35.71499	37.91592	41.33714	44.46079
29	30.28254	31.33077	32.46117	33.71091	35.13936	36.85383	39.08747	42.55697	45.72229
30	31.31586	32.38150	33.53023	34.79974	36.25019	37.99025	40.25602	43.77297	46.97924
31	32.34863	33.43138	34.59813	35.88708	37.35914	39.12437	41.42176	44.98534	48.23189
32	33.38086	34.48044	35.66492	36.97298	38.46631	40.25630	42.58475	46.19426	49.48044
33	34.41259	35.52873	36.73065	38.05753	39.57179	41.38614	43.74518	47.39988	50.72508
34	35.44383	36.57627	37.79538	39.14078	40.67565	42.51399	44.90316	48.60237	51.96600
35	36.47461	37.62312	38.85914	40.22279	41.77796	43.63994	46.05879	49.80185	53.20335
36	37.50494	38.66928	39.92198	41.30362	42.87880	44.76407	47.21217	50.99846	54.43729
37	38.53485	39.71480	40.98394	42.38331	43.97822	45.88645	48.36341	52.19232	55.66797
38	39.56435	40.75969	42.04505	43.46191	45.07628	47.00717	49.51258	53.38354	56.89552
39	40.59346	41.80399	43.10535	44.53946	46.17303	48.12628	50.65977	54.57223	58.12006
40	41.62219	42.84771	44.16487	45.61601	47.26854	49.24385	51.80506	55.75848	59.34171
41	42.65056	43.89089	45.22363	46.69160	48.36283	50.35994	52.94851	56.94239	60.56057
42	43.67859	44.93353	46.28168	47.76625	49.45597	51.47459	54.09020	58.12404	61.77676
43	44.70627	45.97566	47.33902	48.84001	50.54799	52.58787	55.23019	59.30351	62.99036
44	45.73364	47.01729	48.39569	49.91290	51.63892	53.69982	56.36854	60.48089	64.20146
45	46.76069	48.05845	49.45171	50.98495	52.72881	54.81049	57.50530	61.65623	65.41016
46	47.78743	49.09915	50.50711	52.05619	53.81770	55.91991	58.64054	62.82962	66.61653
47	48.81389	50.13940	51.56189	53.12666	54.90561	57.02814	59.77429	64.00111	67.82065
48	49.84006	51.17922	52.61609	54.19636	55.99258	58.13520	60.90661	65.17077	69.02259
49	50.86595	52.21862	53.66972	55.26534	57.07863	59.24114	62.03754	66.33865	70.22241
50	51.89158	53.25762	54.72279	56.33360	58.16380	60.34599	63.16712	67.50481	71.42020

附表 6 正态分布单侧统计允限系数表

GAMMA = 0.900

$N \backslash P$	0.750	0.900	0.950	0.975	0.990	0.999	0.9999
2	5.842	10.253	13.090	15.586	18.500	24.582	29.587
3	2.603	4.258	5.311	6.244	7.340	9.651	11.566
4	1.972	3.189	3.957	4.637	5.438	7.129	8.533
5	1.598	2.742	3.400	3.981	4.666	6.111	7.311
6	1.540	2.494	3.092	3.620	4.243	5.556	6.646
7	1.435	2.333	2.894	3.389	3.972	5.202	6.223
8	1.360	2.219	2.754	3.227	3.783	4.955	5.927
9	1.302	2.133	2.650	3.106	3.641	4.771	5.708
10	1.257	2.066	2.568	3.011	3.532	4.629	5.538
11	1.219	2.011	2.503	2.935	3.443	4.514	5.402
12	1.188	1.966	2.448	2.872	3.371	4.420	5.290
13	1.162	1.928	2.402	2.820	3.309	4.341	5.196
14	1.139	1.895	2.363	2.774	3.257	4.273	5.116
15	1.119	1.867	2.329	2.735	3.212	4.215	5.047
16	1.101	1.842	2.299	2.701	3.172	4.164	4.986
17	1.085	1.819	2.272	2.670	3.137	4.119	4.932
18	1.071	1.800	2.249	2.643	3.105	4.078	4.884
19	1.053	1.782	2.227	2.618	3.077	4.042	4.841
20	1.046	1.765	2.208	2.596	3.052	4.009	4.802
21	1.035	1.750	2.190	2.576	3.028	3.979	4.767
22	1.025	1.737	2.174	2.557	3.007	3.952	4.734
23	1.016	1.724	2.159	2.540	2.987	3.927	4.704
24	1.007	1.712	2.145	2.525	2.969	3.903	4.677
25	1.000	1.702	2.132	2.510	2.952	3.882	4.652

附表6正态分布单侧统计允限系数表 GAMMA=0.900

$N \backslash p$	0.750	0.900	0.950	0.975	0.990	0.999	0.9999
26	0.992	1.691	2.120	2.496	2.937	3.862	4.628
27	0.985	1.682	2.109	2.484	2.922	3.843	4.606
28	0.979	1.673	2.099	2.472	2.909	3.826	4.585
29	0.973	1.665	2.089	2.461	2.896	3.810	4.566
30	0.967	1.657	2.080	2.450	2.884	3.794	4.548
31	0.961	1.650	2.071	2.440	2.872	3.780	4.531
32	0.956	1.643	2.063	2.431	2.862	3.766	4.514
33	0.951	1.636	2.055	2.422	2.852	3.753	4.499
34	0.947	1.630	2.048	2.414	2.842	3.741	4.485
35	0.942	1.624	2.041	2.406	2.833	3.729	4.471
36	0.938	1.618	2.034	2.398	2.824	3.718	4.458
37	0.934	1.613	2.028	2.391	2.816	3.708	4.445
38	0.930	1.608	2.022	2.384	2.808	3.698	4.434
39	0.926	1.603	2.016	2.377	2.800	3.688	4.422
40	0.923	1.598	2.010	2.371	2.793	3.679	4.411
41	0.919	1.593	2.005	2.365	2.786	3.670	4.401
42	0.916	1.589	2.000	2.359	2.780	3.662	4.391
43	0.913	1.585	1.995	2.354	2.773	3.654	4.381
44	0.910	1.581	1.990	2.348	2.767	3.646	4.372
45	0.907	1.577	1.986	2.343	2.761	3.638	4.363
46	0.904	1.573	1.981	2.338	2.756	3.631	4.355
47	0.901	1.570	1.977	2.333	2.750	3.624	4.347
48	0.899	1.566	1.973	2.329	2.745	3.617	4.339
49	0.896	1.563	1.969	2.324	2.740	3.611	4.331
50	0.894	1.559	1.965	2.320	2.735	3.605	4.324

附录二 附表7 可靠性、维修性、保障性国家军用标准目录

序号	标准项目名称	标准号	国外相应标准号
1	可靠性、维修性、保障性术语	GJB451A—2005	MIL-STD-721C
2	测试与诊断术语	GJB3385—1998	MIL-STD-1309D
3	装备可靠性工作通用要求	GJB450A—2004	MIL-STD-785B
4	装备维修性通用大纲	GJB368A—1994	MIL-STD-170B
5	装备测试性工作通用要求	GJB2547—1995	MIL-STD-2165A
6	装备测试性通用大纲	GJB3872—1999	
7	装备可靠性和维修性参数选择与指标确定要求	GJB1909—1994	
8	故障报告、分析和纠正系统	GJB841—1990	MIL-STD-2155
9	电子元器件选用管理要求	GJB3404—1998	
10	可靠性维修性评审指南	GJB/Z72—1995	
11	可靠性增长管理手册	GJB /Z77—1995	MIL-HDBK-189
12	可靠性维修性工程报告编写一般要求	GJB/Z23—1991	MIL-STD-1304
13	备件供应规划要求	GJB4355—2002	MIL-STD-1561B
14	技术资料规划与编写要求	GJB5432—2005	
15	装备初始训练与训练保障要求	GJB5238—2004	MIL-STD-1379D

续附表7 可靠性、维修性、保障性国家军用标准目录

序号	标准项目名称	标准号	国外相应标准号
16	可靠性模型的建立和可靠性预计	GJB813—1990	MIL-STD-756B
17	电子设备可靠性预计手册	GJB/Z299C—2006	MIL-HBDK-217F
18	电子设备非工作状态可靠性预计手册	GJB/Z108A—2006	
19	故障模式、影响及危害性分析指南	GJB/Z1391—2006	MIL-STD-1629-A
20	故障树分析指南	GJB/Z768A—997	
21	电子设备可靠性热设计手册	GJB/Z27—1992	MIL-HBDK-251
22	元器件降额准则	GJB/Z35—1993	
23	电路容差分析指南	GJB/Z89—1997	
24	软件可靠性安全性设计准则	GJB/Z102—1997	
25	维修性预计与分配手册	GJB/Z57—1994	MIL-HBDK-472
26	维修性设计技术手册	GJB /Z91—1997	MIL-HBDK-791
27	维修性建模指南	GJB/Z145—2006	
28	被测单元与自动化测试设备兼容性通用要求	GJB3369—2000	MIL-STD-2076
29	装备保障性分析	GJB1371—1992	MIL-STD-1388-1A
30	装备保障性分析记录	GJB3837—1999	MIL-STD-1388-2B

续附表7 可靠性、维修性、保障性国家军用标准目录

序号	标准项目名称	标准号	国外相应标准号
31	装备预防性维修大纲的制定要求与方法	GJB1378—1992	MIL-STD-1843 MIL-STD-2173
32	修理级别分析	GJB2961—1997	MIL-STD-1390D
33	可靠性鉴定和验收试验	GJB899—1990	MIL-HDBK-781 MIL-STD-781D
34	电子产品环境应力筛选方法	GJB1032—1990	MIL-STD-2164
35	可靠性增长试验	GJB1407—1992	MIL-STD-1635
36	电子产品定量环境应力筛选指南	GJB/Z34—1993	MIL-HDBK-344
37	维修性试验与评定	GJB2072—1994	MIL-STD-471A
38	装备安全性工作通用要求	GJB900—1990	MIL-STD-882B
39	系统安全工程手册	GJB/Z99—1997	MIL-HDBK-764
40	军用电气系统安全性设计手册	GJB/Z94—1997	MIL-HDBK-765
41	装备质量信息管理通用要求	GJB 1686A—2005	
42	装备质量与可靠性信息分类和编码要求	GJB1775—1993	
43	飞机系统质量与可靠性信息分类和编码要求	GJB630A—1998	

续附表7 可靠性、维修性、保障性国家军用标准目录

序号	标准项目名称	标准号	国国外相应 标准号
44	导弹系统质量与可靠性信息 分类和编码要求	GJB3469— 1998	
45	航天系统质量与可靠性分类 和编码要求	GJB3386— 1998	
46	舰船系统质量与可靠性信息 分类和编码要求	GJB3334— 1998	
47	火炮系统质量与可靠性信息 分类和编码要求	GJB3555— 1999	
48	车辆系统质量与可靠性信息 分类和编码要求	GJB3554— 1999	
49	电子系统质量与可靠性信息 分类和编码要求	GJB3781— 1999	



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