

数表 1 標準正規分布の値

z	0.00	0.01	0.02	0.03	0.04
0.0	0.0000	0.0040	0.0080	0.0120	0.0160
0.1	0.0398	0.0438	0.0478	0.0517	0.0557
0.2	0.0793	0.0832	0.0871	0.0910	0.0948
0.3	0.1179	0.1217	0.1255	0.1293	0.1331
0.4	0.1554	0.1591	0.1628	0.1664	0.1700
0.5	0.1915	0.1950	0.1985	0.2019	0.2054
0.6	0.2257	0.2291	0.2324	0.2357	0.2389
0.7	0.2580	0.2611	0.2642	0.2673	0.2704
0.8	0.2881	0.2910	0.2939	0.2967	0.2995
0.9	0.3159	0.3186	0.3212	0.3238	0.3264
1.0	0.3413	0.3438	0.3461	0.3485	0.3508
1.1	0.3643	0.3665	0.3686	0.3708	0.3729
1.2	0.3849	0.3869	0.3888	0.3907	0.3925
1.3	0.40320	0.40490	0.40658	0.40824	0.40988
1.4	0.41924	0.42073	0.42220	0.42364	0.42507
1.5	0.43319	0.43448	0.43574	0.43699	0.43822
1.6	0.44520	0.44630	0.44738	0.44845	0.44950
1.7	0.45543	0.45637	0.45728	0.45818	0.45907
1.8	0.46407	0.46485	0.46562	0.46638	0.46712
1.9	0.47128	0.47193	0.47257	0.47320	0.47381
2.0	0.47725	0.47778	0.47831	0.47882	0.47932
2.1	0.48214	0.48257	0.48300	0.48341	0.48382
2.2	0.48610	0.48645	0.48679	0.48713	0.48745
2.3	0.48928	0.48956	0.48983	0.490097	0.490358
2.4	0.491802	0.492024	0.492240	0.492451	0.492656
2.5	0.493790	0.493963	0.494132	0.494297	0.494457
2.6	0.495339	0.495473	0.495604	0.495731	0.495855
2.7	0.496533	0.496636	0.496736	0.496833	0.496928
2.8	0.497445	0.497523	0.497599	0.497673	0.497744
2.9	0.498134	0.498193	0.498250	0.498305	0.498359
3.0	0.498650	0.498694	0.498736	0.498777	0.498817
3.5	0.49 <sup>2</sup> 7674	0.49 <sup>2</sup> 7759	0.49 <sup>2</sup> 7842	0.49 <sup>2</sup> 7922	0.49 <sup>2</sup> 7999
4.0	0.49 <sup>3</sup> 6833	0.49 <sup>3</sup> 6964	0.49 <sup>3</sup> 7090	0.49 <sup>3</sup> 7211	0.49 <sup>3</sup> 7327

0.05	0.06	0.07	0.08	0.09
0.0199	0.0239	0.0279	0.0319	0.0359
0.0596	0.0636	0.0675	0.0714	0.0753
0.0987	0.1026	0.1064	0.1103	0.1141
0.1368	0.1406	0.1443	0.1480	0.1517
0.1736	0.1772	0.1808	0.1844	0.1879
0.2088	0.2123	0.2157	0.2190	0.2224
0.2422	0.2454	0.2486	0.2517	0.2549
0.2734	0.2764	0.2794	0.2823	0.2852
0.3023	0.3051	0.3078	0.3106	0.3133
0.3289	0.3315	0.3340	0.3365	0.3389
0.3531	0.3554	0.3577	0.3599	0.3621
0.3749	0.3770	0.3790	0.3810	0.3830
0.3944	0.3962	0.3980	0.3997	0.40147
0.41149	0.41309	0.41466	0.41621	0.41774
0.42647	0.42785	0.42922	0.43056	0.43189
0.43943	0.44062	0.44179	0.44295	0.44408
0.45053	0.45154	0.45254	0.45352	0.45449
0.45994	0.46080	0.46164	0.46246	0.46327
0.46784	0.46856	0.46926	0.46995	0.47062
0.47441	0.47500	0.47558	0.47615	0.47670
0.47982	0.48030	0.48077	0.48124	0.48169
0.48422	0.48461	0.48500	0.48537	0.48574
0.48778	0.48809	0.48840	0.48870	0.48899
0.490613	0.490863	0.491106	0.491344	0.491576
0.492857	0.493053	0.493244	0.493431	0.493613
0.494614	0.494766	0.494915	0.495060	0.495201
0.495975	0.496093	0.496207	0.496319	0.496427
0.497020	0.497110	0.497197	0.497282	0.497365
0.497814	0.497882	0.497948	0.498012	0.498074
0.498411	0.498462	0.498511	0.498559	0.498605
0.498856	0.498893	0.498930	0.498965	0.498999
0.49 <sup>2</sup> 8074	0.49 <sup>2</sup> 8146	0.49 <sup>2</sup> 8215	0.49 <sup>2</sup> 8282	0.49 <sup>2</sup> 8347
0.49 <sup>3</sup> 7439	0.49 <sup>3</sup> 7546	0.49 <sup>3</sup> 7649	0.49 <sup>3</sup> 7748	0.49 <sup>3</sup> 7843

数表 2 自由度  $m$  のカイ 2 乗分布のパーセント点

$m \backslash \alpha$	0.990	0.975	0.950	0.050	0.025	0.010
1	$157088 \times 10^{-9}$	$982069 \times 10^{-9}$	$393214 \times 10^{-8}$	3.84146	5.02389	6.63490
2	0.0201007	0.0506356	0.102587	5.99146	7.37776	9.21034
3	0.114832	0.215795	0.351846	7.81473	9.34840	11.3449
4	0.297109	0.484419	0.710723	9.48773	11.1433	13.2767
5	0.554298	0.831212	1.145476	11.0705	12.8325	15.0863
6	0.872090	1.237344	1.63538	12.5916	14.4494	16.8119
7	1.239042	1.68987	2.16735	14.0671	16.0128	18.4753
8	1.646497	2.17973	2.73264	15.5073	17.5345	20.0902
9	2.087901	2.70039	3.32511	16.9190	19.0228	21.6660
10	2.55821	3.24697	3.94030	18.3070	20.4832	23.2093
11	3.05348	3.81575	4.57481	19.6751	21.9200	24.7250
12	3.57057	4.40379	5.22603	21.0261	23.3367	26.2170
13	4.10692	5.00875	5.89186	22.3620	24.7356	27.6882
14	4.66043	5.62873	6.57063	23.6848	26.1189	29.1412
15	5.22935	6.26214	7.26094	24.9958	27.4884	30.5779
16	5.81221	6.90766	7.96165	26.2962	28.8454	31.9999
17	6.40776	7.56419	8.67176	27.5871	30.1910	33.4087
18	7.01491	8.23075	9.39046	28.8693	31.5264	34.8053
19	7.63273	8.90652	10.1170	30.1435	32.8523	36.1909
20	8.26040	9.59078	10.8508	31.4104	34.1696	37.5662
21	8.89720	10.28290	11.5913	32.6706	35.4789	38.9322
22	9.54249	10.9823	12.3380	33.9244	36.7807	40.2894
23	10.19572	11.6886	13.0905	35.1725	38.0756	41.6384
24	10.8564	12.4012	13.8484	36.4150	39.3641	42.9798
25	11.5240	13.1197	14.6114	37.6525	40.6465	44.3141
26	12.1981	13.8439	15.3792	38.8851	41.9232	45.6417
27	12.8785	14.5734	16.1514	40.1133	43.1945	46.9629
28	13.5647	15.3079	16.9279	41.3371	44.4608	48.2782
29	14.2565	16.0471	17.7084	42.5570	45.7223	49.5879
30	14.9535	16.7908	18.4927	43.7730	46.9792	50.8922
40	22.1643	24.4330	26.5093	55.7585	59.3417	63.6907
50	29.7067	32.3574	34.7643	67.5048	71.4202	76.1539
100	70.0649	74.2219	77.9295	124.342	129.561	135.807

数表 3 自由度  $m$  の  $t$  分布のパーセント

$m \backslash \alpha$	0.1	0.05	0.025	0.01	0.005
1	3.078	6.314	12.706	31.821	63.657
2	1.886	2.920	4.303	6.965	9.925
3	1.638	2.353	3.182	4.541	5.841
4	1.533	2.132	2.776	3.747	4.604
5	1.476	2.015	2.571	3.365	4.032
6	1.440	1.943	2.447	3.143	3.707
7	1.415	1.895	2.365	2.998	3.499
8	1.397	1.860	2.306	2.896	3.355
9	1.383	1.833	2.262	2.821	3.250
10	1.372	1.812	2.228	2.764	3.169
11	1.363	1.796	2.201	2.718	3.106
12	1.356	1.782	2.179	2.681	3.055
13	1.350	1.771	2.160	2.650	3.012
14	1.345	1.761	2.145	2.624	2.977
15	1.341	1.753	2.131	2.602	2.947
16	1.337	1.746	2.120	2.583	2.921
17	1.333	1.740	2.110	2.567	2.898
18	1.330	1.734	2.101	2.552	2.878
19	1.328	1.729	2.093	2.539	2.861
20	1.325	1.725	2.086	2.528	2.845
21	1.323	1.721	2.080	2.518	2.831
22	1.321	1.717	2.074	2.508	2.819
23	1.319	1.714	2.069	2.500	2.807
24	1.318	1.711	2.064	2.492	2.797
25	1.316	1.708	2.060	2.485	2.787
26	1.315	1.706	2.056	2.479	2.779
27	1.314	1.703	2.052	2.473	2.771
28	1.313	1.701	2.048	2.467	2.763
29	1.311	1.699	2.045	2.462	2.756
30	1.310	1.697	2.042	2.457	2.750
1000	1.282	1.646	1.962	2.300	2.581
$\infty$	1.282	1.645	1.960	2.326	2.576

数表 4 自由度  $m_1, m_2$  の  $F$  分布の各パーセント点

$\alpha=0.05$							$\alpha=0.05$			
$m_2 \backslash m_1$	1	2	3	4	5	6	7	8	9	10
1	161.45	199.50	215.71	224.58	230.16	233.99	236.77	238.88	240.54	241.88
2	18.513	19.000	19.164	19.247	19.296	19.330	19.353	19.371	19.385	19.396
3	10.128	9.5521	9.2766	9.1172	9.0135	8.9406	8.8867	8.8452	8.8123	8.7855
4	7.7086	6.9443	6.5914	6.3882	6.2561	6.1631	6.0942	6.0410	5.9988	5.9644
5	6.6079	5.7861	5.4095	5.1922	5.0503	4.9503	4.8759	4.8183	4.7725	4.7351
6	5.9874	5.1433	4.7571	4.5337	4.3874	4.2839	4.2067	4.1468	4.0990	4.0600
7	5.5914	4.7374	4.3468	4.1203	3.9715	3.8660	3.7870	3.7257	3.6767	3.6365
8	5.3177	4.4590	4.0662	3.8379	3.6875	3.5806	3.5005	3.4381	3.3881	3.3472
9	5.1174	4.2565	3.8625	3.6331	3.4817	3.3738	3.2927	3.2296	3.1789	3.1373
10	4.9646	4.1028	3.7083	3.4780	3.3258	3.2172	3.1355	3.0717	3.0204	2.9782
11	4.8443	3.9823	3.5874	3.3567	3.2039	3.0946	3.0123	2.9480	2.8962	2.8536
12	4.7472	3.8853	3.4903	3.2592	3.1059	2.9961	2.9134	2.8486	2.7964	2.7534
13	4.6672	3.8056	3.4105	3.1791	3.0254	2.9153	2.8321	2.7669	2.7144	2.6710
14	4.6001	3.7389	3.3439	3.1122	2.9582	2.8477	2.7642	2.6987	2.6458	2.6022
15	4.5431	3.6823	3.2874	3.0556	2.9013	2.7905	2.7066	2.6408	2.5876	2.5437
16	4.4940	3.6337	3.2389	3.0069	2.8524	2.7413	2.6572	2.5911	2.5377	2.4935
17	4.4513	3.5915	3.1968	2.9647	2.8100	2.6987	2.6143	2.5480	2.4943	2.4499
18	4.4139	3.5546	3.1599	2.9277	2.7729	2.6613	2.5767	2.5102	2.4563	2.4117
19	4.3807	3.5219	3.1274	2.8951	2.7401	2.6283	2.5435	2.4768	2.4227	2.3779
20	4.3512	3.4928	3.0984	2.8661	2.7109	2.5990	2.5140	2.4471	2.3928	2.3479
21	4.3248	3.4668	3.0725	2.8401	2.6848	2.5727	2.4876	2.4205	2.3660	2.3210
22	4.3009	3.4434	3.0491	2.8167	2.6613	2.5491	2.4638	2.3965	2.3419	2.2967
23	4.2793	3.4221	3.0280	2.7955	2.6400	2.5277	2.4422	2.3748	2.3201	2.2747
24	4.2597	3.4028	3.0088	2.7763	2.6207	2.5082	2.4226	2.3551	2.3002	2.2547
25	4.2417	3.3852	2.9912	2.7587	2.6030	2.4904	2.4047	2.3371	2.2821	2.2365
26	4.2252	3.3690	2.9752	2.7426	2.5868	2.4741	2.3883	2.3205	2.2655	2.2197
27	4.2100	3.3541	2.9604	2.7278	2.5719	2.4591	2.3732	2.3053	2.2501	2.2043
28	4.1960	3.3404	2.9467	2.7141	2.5581	2.4453	2.3593	2.2913	2.2360	2.1900
29	4.1830	3.3277	2.9340	2.7014	2.5454	2.4324	2.3463	2.2783	2.2229	2.1768
30	4.1709	3.3158	2.9223	2.6896	2.5336	2.4205	2.3343	2.2662	2.2107	2.1646
$\infty$	3.8415	2.9957	2.6049	2.3719	2.2141	2.0986	2.0096	1.9384	1.8799	1.8307

数表 4 自由度( $m_1, m_2$ )の  $F$  分布の各パーセント点

$\alpha=0.025$							$\alpha=0.025$			
$m_2 \backslash m_1$	1	2	3	4	5	6	7	8	9	10
1	647.79	799.50	864.16	899.58	921.85	937.11	948.22	956.66	963.28	968.63
2	38.506	39.000	39.165	39.248	39.298	39.331	39.355	39.373	39.387	39.398
3	17.443	16.044	15.439	15.101	14.885	14.735	14.624	14.540	14.473	14.419
4	12.218	10.649	9.9792	9.6045	9.3645	9.1973	9.0741	8.9796	8.9047	8.8439
5	10.007	8.4336	7.7636	7.3879	7.1464	6.9777	6.8531	6.7572	6.6811	6.6192
6	8.8131	7.2599	6.5988	6.2272	5.9876	5.8198	5.6955	5.5996	5.5234	5.4613
7	8.0727	6.5415	5.8898	5.5226	5.2852	5.1186	4.9949	4.8993	4.8232	4.7611
8	7.5709	6.0595	5.4160	5.0526	4.8173	4.6517	4.5286	4.4333	4.3572	4.2951
9	7.2093	5.7147	5.0781	4.7181	4.4844	4.3197	4.1970	4.1020	4.0260	3.9639
10	6.9367	5.4564	4.8256	4.4683	4.2361	4.0721	3.9498	3.8549	3.7790	3.7168
11	6.7241	5.2559	4.6300	4.2751	4.0440	3.8807	3.7586	3.6638	3.5879	3.5257
12	6.5538	5.0959	4.4742	4.1212	3.8911	3.7283	3.6065	3.5118	3.4358	3.3736
13	6.4143	4.9653	4.3472	3.9959	3.7667	3.6043	3.4827	3.3880	3.3120	3.2497
14	6.2979	4.8567	4.2417	3.8919	3.6634	3.5014	3.3799	3.2853	3.2093	3.1469
15	6.1995	4.7650	4.1528	3.8043	3.5764	3.4147	3.2934	3.1987	3.1227	3.0602
16	6.1151	4.6867	4.0768	3.7294	3.5021	3.3406	3.2194	3.1248	3.0488	2.9862
17	6.0420	4.6189	4.0112	3.6648	3.4379	3.2767	3.1556	3.0610	2.9849	2.9222
18	5.9781	4.5597	3.9539	3.6083	3.3820	3.2209	3.0999	3.0053	2.9291	2.8664
19	5.9216	4.5075	3.9034	3.5587	3.3327	3.1718	3.0509	2.9563	2.8801	2.8172
20	5.8715	4.4613	3.8587	3.5147	3.2891	3.1283	3.0074	2.9128	2.8365	2.7737
21	5.8266	4.4199	3.8188	3.4754	3.2501	3.0895	2.9686	2.8740	2.7977	2.7348
22	5.7863	4.3828	3.7829	3.4401	3.2151	3.0546	2.9338	2.8392	2.7628	2.6998
23	5.7498	4.3492	3.7505	3.4083	3.1835	3.0232	2.9023	2.8077	2.7313	2.6682
24	5.7166	4.3187	3.7211	3.3794	3.1548	2.9946	2.8738	2.7791	2.7027	2.6396
25	5.6864	4.2909	3.6943	3.3530	3.1287	2.9685	2.8478	2.7531	2.6766	2.6135
26	5.6586	4.2655	3.6697	3.3289	3.1048	2.9447	2.8240	2.7293	2.6528	2.5896
27	5.6331	4.2421	3.6472	3.3067	3.0828	2.9228	2.8021	2.7074	2.6309	2.5676
28	5.6096	4.2205	3.6264	3.2863	3.0626	2.9027	2.7820	2.6872	2.6106	2.5473
29	5.5878	4.2006	3.6072	3.2674	3.0438	2.8840	2.7633	2.6686	2.5919	2.5286
30	5.5675	4.1821	3.5894	3.2499	3.0265	2.8667	2.7460	2.6513	2.5746	2.5112
40	5.4239	4.0510	3.4633	3.1261	2.9037	2.7444	2.6238	2.5289	2.4519	2.3882
60	5.2856	3.9253	3.3425	3.0077	2.7863	2.6274	2.5068	2.4117	2.3344	2.2702
120	5.1523	3.8046	3.2269	2.8943	2.6740	2.5154	2.3948	2.2994	2.2217	2.1570
$\infty$	5.0239	3.6889	3.1161	2.7858	2.5665	2.4082	2.2875	2.1918	2.1136	2.0483

表 4 自由度( $m_1, m_2$ )の  $F$  分布のパーセント点

		$\alpha = 0.975$						
$m_2 \backslash m_1$		1	2	3	4	5	6	7
1		0.0015	0.0260	0.0573	0.0818	0.0999	0.1135	0.1239
2		0.0013	0.0256	0.0623	0.0939	0.1186	0.1377	0.1529
3		0.0012	0.0255	0.0648	0.1002	0.1288	0.1515	0.1698
4		0.0011	0.0255	0.0662	0.1041	0.1354	0.1606	0.1811
5		0.0011	0.0254	0.0672	0.1068	0.1399	0.1670	0.1892
6		0.0011	0.0254	0.0679	0.1087	0.1433	0.1718	0.1954
7		0.0011	0.0254	0.0684	0.1102	0.1459	0.1756	0.2002
8		0.0010	0.0254	0.0688	0.1114	0.1480	0.1786	0.2041
9		0.0010	0.0254	0.0691	0.1123	0.1497	0.1810	0.2073
10		0.0010	0.0254	0.0694	0.1131	0.1511	0.1831	0.2100
11		0.0010	0.0254	0.0696	0.1137	0.1523	0.1849	0.2123
12		0.0010	0.0254	0.0698	0.1143	0.1533	0.1864	0.2143
13		0.0010	0.0254	0.0699	0.1147	0.1541	0.1877	0.2161
14		0.0010	0.0254	0.0700	0.1152	0.1549	0.1888	0.2176
15		0.0010	0.0254	0.0702	0.1155	0.1556	0.1898	0.2189
16		0.0010	0.0254	0.0703	0.1158	0.1562	0.1907	0.2201
17		0.0010	0.0254	0.0704	0.1161	0.1567	0.1915	0.2212
18		0.0010	0.0254	0.0704	0.1164	0.1572	0.1922	0.2222
19		0.0010	0.0254	0.0705	0.1166	0.1576	0.1929	0.2231
20		0.0010	0.0253	0.0706	0.1168	0.1580	0.1935	0.2239

$\alpha = 0.975$							
8	9	10	11	12	13	14	15
0.1321	0.1387	0.1442	0.1487	0.1526	0.1559	0.1588	0.1613
0.1650	0.1750	0.1833	0.1903	0.1962	0.2014	0.2059	0.2099
0.1846	0.1969	0.2072	0.2160	0.2235	0.2300	0.2358	0.2408
0.1979	0.2120	0.2238	0.2339	0.2426	0.2503	0.2569	0.2629
0.2076	0.2230	0.2361	0.2473	0.2570	0.2655	0.2730	0.2796
0.2150	0.2315	0.2456	0.2577	0.2682	0.2774	0.2856	0.2929
0.2208	0.2383	0.2532	0.2661	0.2773	0.2871	0.2959	0.3036
0.2256	0.2438	0.2594	0.2729	0.2848	0.2952	0.3044	0.3126
0.2295	0.2484	0.2646	0.2787	0.2910	0.3019	0.3116	0.3202
0.2328	0.2523	0.2690	0.2836	0.2964	0.3077	0.3178	0.3268
0.2357	0.2556	0.2729	0.2879	0.3011	0.3127	0.3231	0.3325
0.2381	0.2585	0.2762	0.2916	0.3051	0.3171	0.3279	0.3375
0.2403	0.2611	0.2791	0.2948	0.3087	0.3210	0.3320	0.3419
0.2422	0.2633	0.2817	0.2977	0.3119	0.3245	0.3357	0.3458
0.2438	0.2653	0.2840	0.3003	0.3147	0.3276	0.3391	0.3494
0.2453	0.2671	0.2860	0.3026	0.3173	0.3304	0.3421	0.3526
0.2467	0.2687	0.2879	0.3047	0.3196	0.3329	0.3448	0.3555
0.2479	0.2702	0.2896	0.3066	0.3217	0.3352	0.3473	0.3582
0.2490	0.2715	0.2911	0.3084	0.3237	0.3373	0.3496	0.3606
0.2500	0.2727	0.2925	0.3100	0.3254	0.3393	0.3517	0.3629

数表 5 グラプス・スミルノフの外れ値の検定

$N \backslash \alpha$	$\alpha$	
	0.050	0.025
3	1.153	1.154
4	1.462	1.481
5	1.671	1.715
6	1.822	1.887
7	1.938	2.020
8	2.032	2.127
9	2.110	2.215
10	2.176	2.290
11	2.234	2.355
12	2.285	2.412
13	2.331	2.462
14	2.372	2.507
15	2.409	2.548
16	2.443	2.586
17	2.475	2.620
18	2.504	2.652
19	2.531	2.681
20	2.557	2.708
21	2.580	2.734
22	2.603	2.758
23	2.624	2.780
24	2.644	2.802
25	2.663	2.822
26	2.681	2.841
27	2.698	2.859
28	2.714	2.876
29	2.730	2.893
30	2.745	2.908
31	2.759	2.923
32	2.773	2.938
33	2.786	2.952
34	2.799	2.965
35	2.811	2.978

$N \backslash \alpha$	$\alpha$	
	0.050	0.025
36	2.823	2.990
37	2.834	3.002
38	2.845	3.014
39	2.856	3.025
40	2.867	3.036
41	2.877	3.046
42	2.886	3.056
43	2.896	3.066
44	2.905	3.076
45	2.914	3.085
46	2.923	3.094
47	2.931	3.103
48	2.940	3.111
49	2.948	3.120
50	2.956	3.128
55	2.99	3.17
60	3.03	3.20
65	3.05	3.23
70	3.08	3.26
75	3.11	3.28
80	3.13	3.31
85	3.15	3.33
90	3.17	3.35
95	3.19	3.37
100	3.21	3.38

数表 6 ウィルコクソンの順位和検定(両側検定)

$N_1$	$N_2$	$\alpha$					
		0.10		0.05		0.01	
		$w$	$\overline{w}$	$w$	$\overline{w}$	$w$	$\overline{w}$
2	4	—		—		—	
	5	3	13	—		—	
	6	3	15	—		—	
	7	3	17	—		—	
	8	4	18	3	19	—	
	9	4	20	3	21	—	
	10	4	22	3	23	—	
	11	4	24	3	25	—	
	12	5	25	4	26	—	
	13	5	27	4	28	—	
	14	6	28	4	30	—	
	15	6	30	4	32	—	
3	3	6	15	—		—	
	4	6	18	—		—	
	5	7	20	6	21	—	
	6	8	22	7	23	—	
	7	8	25	7	26	—	
	8	9	27	8	28	—	
	9	10	29	8	31	6	33
	10	10	32	9	33	6	36
	11	11	34	9	36	6	39
	12	11	37	10	38	7	41
	13	12	39	10	41	7	44
	14	13	41	11	43	7	47
	15	13	44	11	46	8	49
4	4	11	25	10	26	—	
	5	12	28	11	29	—	
	6	13	31	12	32	10	34
	7	14	34	13	35	10	38
	8	15	37	14	38	11	41
	9	16	40	14	42	11	45
	10	17	43	15	45	12	48
	11	18	46	16	48	12	52
	12	19	49	17	51	13	55
	13	20	52	18	54	13	59
	14	21	55	19	57	14	62
	15	22	58	20	60	15	65
5	5	19	36	17	38	15	40
	6	20	40	18	42	16	44
	7	21	44	20	45	16	49
	8	23	47	21	49	17	53
	9	24	51	22	53	18	57
	10	26	54	23	57	19	61
	11	27	58	24	61	20	65
	12	28	62	26	64	21	69

$N_1$	$N_2$	$\alpha$					
		0.10		0.05		0.01	
		$w$	$\overline{w}$	$w$	$\overline{w}$	$w$	$\overline{w}$
	13	30	65	27	68	22	73
	14	31	69	28	72	22	78
	15	33	72	29	76	23	82
6	6	28	50	26	52	23	55
	7	29	55	27	57	24	60
	8	31	59	29	61	25	65
	9	33	63	31	65	26	70
	10	35	67	32	70	27	75
	11	37	71	34	74	28	80
	12	38	76	35	79	30	84
	13	40	80	37	83	31	89
	14	42	84	38	88	32	94
	15	44	88	40	92	33	99
7	7	39	66	36	69	32	73
	8	41	71	38	74	34	78
	9	43	76	40	79	35	84
	10	45	81	42	84	37	89
	11	47	86	44	89	38	95
	12	49	91	46	94	40	100
	13	52	95	48	99	41	106
	14	54	100	50	104	43	111
	15	56	105	52	109	44	117
8	8	51	85	49	87	43	93
	9	54	90	51	93	45	99
	10	56	96	53	99	47	105
	11	59	101	55	105	49	111
	12	62	106	58	110	51	117
	13	64	112	60	116	53	123
	14	67	117	62	122	54	130
	15	69	123	65	127	56	136
9	9	66	105	62	109	56	115
	10	69	111	65	115	58	122
	11	72	117	68	121	61	128
	12	75	123	71	127	63	135
	13	78	129	73	134	65	142
	14	81	135	76	140	67	149
	15	84	141	79	146	69	156
10	10	82	128	78	132	71	139
	11	86	134	81	139	73	147
	12	89	141	84	146	76	154
	13	92	148	88	152	79	161
	14	96	154	91	159	81	169
	15	99	161	94	166	84	176

数表 7 アンサリー・ブラッドレイ検定(両側検定)

$N_1$	$N_2$	$\underline{a}_{N_1, N_2}$	$\overline{a}_{N_1, N_2}$
2	8	3	10
	9	3	11
	10	3	12
	11	3	13
	12	3	14
	13	3	15
	14	3	15
	15	4	16
	16	4	17
	17	4	18
	18	4	19
3	5	5	11
	6	5	13
	7	5	14
	8	6	15
	9	6	16
	10	6	18
	11	6	19
	12	7	20
	13	7	21
	14	7	23
	15	7	24
	16	8	25
	17	8	26
	18	8	26
	19	8	26
4	5	8	16
	6	8	17
	7	8	19
	8	9	20
	9	9	22
	10	10	23
	11	10	25
	12	11	26
	13	11	28
	14	11	30
	15	12	31
	16	12	33
	17	12	33
	18	12	33
	19	12	33
5	5	11	20
	6	11	22
	7	12	24

$N_1$	$N_2$	$\underline{a}_{N_1, N_2}$	$\overline{a}_{N_1, N_2}$
	8	13	26
	9	13	28
	10	14	30
	11	14	32
	12	15	34
	13	16	35
	14	16	37
	15	17	39
	16	17	39
	17	17	39
6	6	15	28
	7	16	30
	8	17	32
	9	18	34
	10	18	36
	11	19	39
	12	20	41
	13	21	43
	14	22	45
	15	22	45
7	7	21	36
	8	22	39
	9	23	41
	10	24	44
	11	25	46
	12	26	49
	13	27	51
	14	27	51
	15	27	51
	16	27	51
8	8	27	46
	9	28	49
	10	30	51
	11	31	54
	12	32	57
	13	32	57
	14	32	57
	15	32	57
	16	32	57
	17	32	57
9	9	34	56
	10	36	60
	11	37	63
	12	37	63
	13	37	63
	14	37	63
	15	37	63
	16	37	63
	17	37	63
	18	37	63
10	10	43	68
	11	43	68

数表 8 スピアマンの順位相関検定  
(両側検定)

$N$	有意水準 $\alpha$ 0.05
3	0.997
4	0.950
5	0.878
6	0.811
7	0.754
8	0.707
9	0.666
10	0.632
11	0.602
12	0.576
13	0.553
14	0.532
15	0.514
16	0.497
17	0.482
18	0.468
19	0.456
20	0.444
21	0.433
22	0.423
23	0.413
24	0.404
25	0.396
26	0.388
27	0.381
28	0.374
29	0.367
30	0.361

数表 9 スピアマンの順位相関検定  
(片側検定)

$N$	有意水準 $\alpha$ 0.05
4	1.000
5	0.900
6	0.829
7	0.714
8	0.643
9	0.600
10	0.564
12	0.504
14	0.456
16	0.425
18	0.399
20	0.377
22	0.359
24	0.343
26	0.329
28	0.317
30	0.306

数表 10 符号検定

		片側検定		片側検定		両側検定			
		$\gamma_{L\alpha}$		$\gamma_{S\alpha}$		$\gamma_{\alpha}$			
N	$\alpha$	0.01	0.05	0.01	0.05	0.01		0.05	
5			5		0				
6			6		0			1	5
7			7	0	0			1	6
8		7	7	0	1	1	7	1	7
9		8	8	0	1	1	8	2	7
10		9	9	0	1	1	9	2	8
11		10	10	1	2	1	10	2	9
12		11	11	1	2	2	11	3	9
13		12	12	1	3	2	12	3	10
14		13	13	2	3	2	13	3	11
15		14	14	2	3	3	14	4	11
16		15	15	2	4	3	15	4	12
17		16	16	3	4	3	16	5	12
18		17	17	3	5	4	17	5	13
19		18	18	4	5	4	18	5	14
20		19	19	4	6	5	19	6	14
21		20	20	5	6	5	20	6	15
22		21	21	5	7	5	21	6	16
23		22	22	5	7	6	22	7	16
24		23	23	6	7	6	23	7	17
25		24	24	6	8	7	24	8	17
26		25	25	7	8	7	25	8	18
27		26	26	7	8	7	26	8	18
28		27	27	7	9	7	27	9	19
29		28	28	7	9	8	28	9	19
30		29	29	8	10	8	29	10	20

↑  
 $\gamma_{\alpha}$

↑  
 $N-\gamma_{\alpha}$

↑  
 $\gamma_{\alpha}$

↑  
 $N-\gamma_{\alpha}$

数表 11 ケンドールの順位相関検定

N	$\alpha$	0.005	0.01	0.025	0.05	0.10
4					6(0.0417)	6(0.0417)
5			10(0.0083)	10(0.0083)	8(0.0417)	8(0.0417)
6		15(0.0014)	13(0.0083)	13(0.0083)	11(0.0278)	9(0.0681)
7		19(0.0014)	17(0.0054)	15(0.0151)	13(0.0345)	11(0.0681)
8		22(0.0028)	20(0.0071)	18(0.0156)	16(0.0305)	12(0.0894)
9		26(0.0029)	24(0.0063)	20(0.0223)	18(0.0376)	14(0.0901)
10		29(0.0046)	27(0.0083)	23(0.0233)	21(0.0363)	17(0.0779)
11		33(0.0050)	31(0.0083)	27(0.0203)	23(0.0433)	19(0.0823)
12		38(0.0044)	36(0.0069)	30(0.0224)	26(0.0432)	20(0.0985)
13		44(0.0033)	40(0.0075)	34(0.0211)	28(0.0500)	24(0.0817)
14		47(0.0049)	43(0.0096)	37(0.0236)	33(0.0397)	25(0.0963)
15		53(0.0041)	49(0.0078)	41(0.0231)	35(0.0463)	29(0.0843)
16		58(0.0043)	52(0.0099)	46(0.0206)	38(0.0480)	30(0.0975)
17		64(0.0040)	58(0.0086)	50(0.0211)	42(0.0457)	34(0.0883)
18		69(0.0043)	63(0.0086)	53(0.0239)	45(0.0479)	37(0.0876)
19		75(0.0041)	67(0.0097)	57(0.0245)	49(0.0466)	39(0.0931)
20		80(0.0045)	72(0.0099)	62(0.0234)	52(0.0492)	42(0.0929)

数表 12 ウィルコクソンの符号付順位検定のパーセント点

N \ α	両側検定		片側検定	
	$\underline{ws}(N;0.025)$	$\underline{ws}(N;0.025)$	$\underline{ws}(N;0.05)$	$\underline{ws}(N;0.05)$
5			0	15
6	0	21	2	19
7	2	26	3	25
8	3	33	5	31
9	5	40	8	37
10	8	47	10	45
11	10	56	13	53
12	13	65	17	61
13	17	74	21	70
14	21	84	25	80
15	25	95	30	90
16	29	107	35	101
17	34	119	41	112
18	40	131	47	124
19	46	144	53	137
20	52	158	60	150
21	58	173	67	164
22	65	188	75	178
23	73	203	83	193
24	81	219	91	209
25	89	236	100	225
26	98	253	110	241
27	107	271	119	259
28	116	290	130	276
29	126	309	140	295
30	137	328	151	314