

# Приложения

## Приложение 1. Биномно разпределение

<i>n</i>	<i>k</i>	<i>P</i>									
		.05	.10	.15	.20	.25	.30	.35	.40	.45	.50
1	0	.9500	.9000	.8500	.8000	.7500	.7000	.6500	.6000	.5500	.5000
	1	.0500	.1000	.1500	.2000	.2500	.3000	.3500	.4000	.4500	.5000
2	0	.9025	.8100	.7225	.6400	.5625	.4900	.4225	.3600	.3025	.2500
	1	.0950	.1800	.2550	.3200	.3750	.4200	.4550	.4800	.4950	.5000
	2	.0025	.0100	.0225	.0400	.0625	.0900	.1225	.1600	.2025	.2500
3	0	.8574	.7290	.6141	.5120	.4219	.3430	.2746	.2160	.1664	.1250
	1	.1354	.2430	.3251	.3840	.4219	.4410	.4436	.4320	.4084	.3750
	2	.0071	.0270	.0574	.0960	.1406	.1890	.2389	.2880	.3341	.3750
	3	.0001	.0010	.0034	.0080	.0156	.0270	.0429	.0640	.0911	.1250
4	0	.8145	.6561	.5220	.4096	.3164	.2401	.1785	.1296	.0915	.0625
	1	.1715	.2916	.3685	.4096	.4219	.4116	.3845	.3456	.2995	.2500
	2	.0135	.0486	.0975	.1536	.2109	.2646	.3105	.3456	.3675	.3750
	3	.0005	.0036	.0115	.0256	.0469	.0756	.1115	.1536	.2005	.2500
	4	.0000	.0001	.0005	.0016	.0039	.0081	.0150	.0256	.0410	.0625
5	0	.7738	.5905	.4437	.3277	.2373	.1681	.1160	.0778	.0503	.0312
	1	.2036	.3280	.3915	.4096	.3955	.3602	.3124	.2592	.2059	.1562
	2	.0214	.0729	.1382	.2048	.2637	.3087	.3364	.3456	.3369	.3125
	3	.0011	.0081	.0244	.0512	.0879	.1323	.1811	.2304	.2757	.3125
	4	.0000	.0004	.0022	.0064	.0146	.0284	.0488	.0768	.1128	.1562
	5	.0000	.0000	.0001	.0003	.0010	.0024	.0053	.0102	.0185	.0312
6	0	.7351	.5314	.3771	.2621	.1780	.1176	.0754	.0467	.0277	.0156
	1	.2321	.3543	.3993	.3932	.3560	.3025	.2437	.1866	.1359	.0938
	2	.0305	.0984	.1762	.2458	.2966	.3241	.3280	.3110	.2780	.2344
	3	.0021	.0146	.0415	.0819	.1318	.1852	.2355	.2765	.3032	.3125
	4	.0001	.0012	.0055	.0154	.0330	.0595	.0951	.1382	.1861	.2344
	5	.0000	.0001	.0004	.0015	.0044	.0102	.0205	.0369	.0609	.0938
	6	.0000	.0000	.0000	.0001	.0002	.0007	.0018	.0041	.0083	.0516
7	0	.6983	.4783	.3206	.2097	.1335	.0824	.0490	.0280	.0152	.0078
	1	.2573	.3720	.3960	.3670	.3115	.2471	.1848	.1306	.0872	.0547
	2	.0406	.1240	.2097	.2753	.3115	.3177	.2985	.2613	.2140	.1641
	3	.0036	.0230	.0617	.1147	.1730	.2269	.2679	.2903	.2918	.2734
	4	.0002	.0026	.0109	.0287	.0577	.0972	.1442	.1935	.2388	.2734
	5	.0009	.0002	.0012	.0043	.0115	.0250	.0466	.0774	.1172	.1641
	6	.0000	.0000	.0001	.0004	.0013	.0036	.0084	.0172	.0320	.0547
	7	.0000	.0000	.0000	.0000	.0001	.0002	.0006	.0016	.0037	.0078

## Продължение

<i>n</i>	<i>k</i>	<i>p</i>									
		.05	.10	.15	.20	.25	.30	.35	.40	.45	.50
8	0	.6634	.4305	.2725	.1678	.1001	.0576	.0319	.0168	.0084	.0039
	1	.2793	.3826	.3847	.3355	.2670	.1977	.1373	.0896	.0548	.0312
	2	.0515	.1488	.2376	.2936	.3115	.2965	.2587	.2090	.1569	.1094
	3	.0054	.0331	.0839	.1468	.2076	.2541	.2786	.2787	.2568	.2188
	4	.0004	.0046	.0815	.0459	.0865	.1361	.1875	.2322	.2627	.2734
	5	.0000	.0004	.0026	.0092	.0231	.0467	.0808	.1239	.1719	.2188
	6	.0000	.0000	.0002	.0011	.0038	.0100	.0217	.0413	.0703	.1094
	7	.0000	.0000	.0000	.0001	.0004	.0012	.0033	.0079	.0164	.0312
9	0	.6302	.3874	.2316	.1342	.0751	.0404	.0207	.0101	.0046	.0020
	1	.2985	.3874	.3679	.3020	.2253	.1556	.1004	.0605	.0339	.0176
	2	.0629	.1722	.2597	.3020	.3003	.2668	.2162	.1612	.1110	.0703
	3	.0077	.0446	.1069	.1762	.2336	.2668	.2716	.2508	.2119	.1641
	4	.0006	.0074	.0283	.0661	.1168	.1715	.2194	.2508	.2600	.2461
	5	.0000	.0008	.0050	.0165	.0389	.0735	.1181	.1672	.2128	.2461
	6	.0000	.0001	.0006	.0028	.0087	.0210	.0424	.0743	.1160	.1641
	7	.0000	.0000	.0000	.0003	.0012	.0039	.0098	.0212	.0407	.0703
	8	.0000	.0000	.0000	.0000	.0001	.0004	.0013	.0035	.0083	.0716
9	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0008	.0020	
10	0	.5987	.3487	.1969	.1074	.0563	.0282	.0135	.0060	.0025	.0010
	1	.3151	.3874	.3474	.2684	.1877	.1211	.0725	.0403	.0207	.0098
	2	.0746	.1937	.2759	.3020	.2816	.2335	.1757	.1209	.0763	.0439
	3	.0105	.0574	.1298	.2013	.2503	.2668	.2522	.2150	.1665	.1172
	4	.0010	.0112	.0401	.0881	.1460	.2001	.2377	.2508	.2384	.2051
	5	.0001	.0015	.0085	.0264	.0584	.1029	.1536	.2007	.2340	.2461
	6	.0000	.0001	.0012	.0055	.0162	.0368	.0689	.1115	.1596	.2051
	7	.0000	.0000	.0001	.0008	.0031	.0090	.0212	.0425	.0746	.1172
	8	.0000	.0000	.0000	.0001	.0004	.0014	.0043	.0106	.0229	.0439
	9	.0000	.0000	.0000	.0000	.0000	.0001	.0005	.0016	.0042	.0098
10	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0010	
11	0	.5688	.3138	.1673	.0859	.0422	.0198	.0088	.0036	.0014	.0005
	1	.3293	.3835	.3248	.2362	.1549	.0932	.0518	.0266	.0125	.0054
	2	.0867	.2131	.2866	.2953	.2581	.1998	.1395	.0887	.0513	.0269
	3	.0137	.0710	.1517	.2215	.2581	.2568	.2254	.1774	.1259	.0806
	4	.0014	.0158	.0536	.1107	.1721	.2201	.2428	.2365	.2060	.1611
	5	.0001	.0025	.0132	.0388	.0803	.1321	.1830	.2207	.2360	.2256
	6	.0000	.0003	.0023	.0097	.0268	.0566	.0985	.1471	.1931	.2256
	7	.0000	.0000	.0003	.0017	.0064	.0173	.0379	.0701	.1128	.1611
	8	.0000	.0000	.0000	.0002	.0011	.0037	.0102	.0234	.0462	.0806
9	.0000	.0000	.0000	.0000	.0001	.0005	.0018	.0052	.0126	.0269	

## Продължение

<i>n</i>	<i>k</i>	.05	.10	.15	.20	<i>P</i> .25	.30	.35	.40	.45	.50
11	10	.0000	.0000	.0000	.0000	.0000	.0000	.0002	.0007	.0021	.0054
	11	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0002	.0005
12	0	.5404	.2824	.1422	.0687	.0317	.0138	.0057	.0022	.0008	.0002
	1	.3413	.3766	.3012	.2062	.1267	.0712	.0368	.0174	.0075	.0029
	2	.0988	.2301	.2924	.2835	.2323	.1678	.1088	.0639	.0339	.0161
	3	.0173	.0852	.1720	.2362	.2581	.2397	.1954	.1419	.0923	.0536
	4	.0021	.0213	.0683	.1329	.1936	.2311	.2367	.2128	.1700	.1208
	5	.0002	.0038	.0193	.0532	.1032	.1585	.2039	.2270	.2225	.1934
	6	.0000	.0005	.0040	.0155	.0401	.0792	.1281	.1766	.2124	.2256
	7	.0000	.0000	.0006	.0033	.0115	.0291	.0591	.1009	.1489	.1934
	8	.0000	.0000	.0001	.0005	.0024	.0078	.0199	.0420	.0762	.1208
	9	.0000	.0000	.0000	.0001	.0004	.0015	.0048	.0125	.0277	.0537
	10	.0000	.0000	.0000	.0000	.0000	.0002	.0008	.0025	.0068	.0161
	11	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0010	.0029
12	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002	
13	0	.5133	.2542	.1209	.0550	.0238	.0097	.0037	.0013	.0004	.0001
	1	.3512	.3672	.2774	.1787	.1029	.0540	.0259	.0113	.0045	.0016
	2	.1109	.2448	.2937	.2680	.2059	.1388	.0836	.0453	.0220	.0095
	3	.0214	.0997	.1900	.2457	.2517	.2181	.1651	.1107	.0660	.0349
	4	.0028	.0277	.0838	.1535	.2097	.2337	.2222	.1845	.1350	.0873
	5	.0003	.0055	.0266	.0691	.1258	.1803	.2154	.2214	.1989	.1571
	6	.0000	.0008	.0063	.0230	.0559	.1030	.1546	.1968	.2169	.2095
	7	.0000	.0001	.0001	.0058	.0186	.0442	.0833	.1312	.1775	.2095
	8	.0000	.0000	.0001	.0011	.0047	.0142	.0336	.0656	.1089	.1571
	9	.0000	.0000	.0000	.0001	.0009	.0034	.0101	.0234	.0495	.0873
	10	.0000	.0000	.0000	.0000	.0001	.0006	.0022	.0065	.0162	.0349
	11	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0012	.0036	.0095
	12	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0005	.0016
13	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	
14	0	.4877	.2288	.1028	.0440	.0178	.0068	.0024	.0008	.0002	.0001
	1	.3593	.3559	.2539	.1539	.0832	.0407	.0181	.0073	.0027	.0009
	2	.1229	.2570	.2912	.2501	.1802	.1134	.0634	.0317	.0141	.0056
	3	.0259	.1142	.2056	.2501	.2402	.1943	.1366	.0845	.0462	.0222
	4	.0037	.0348	.0998	.1720	.2202	.2290	.2022	.1549	.1040	.0611
	5	.0004	.0078	.0352	.0860	.1468	.1963	.2178	.2066	.1701	.1222
	6	.0000	.0013	.0093	.0322	.0734	.1262	.1759	.2066	.2088	.1833
	7	.0000	.0002	.0019	.0092	.0280	.0618	.1082	.1574	.1952	.2095
	8	.0000	.0000	.0003	.0020	.0082	.0232	.0510	.0918	.1398	.1833
9	.0000	.0000	.0000	.0003	.0018	.0066	.0183	.0408	.0762	.1222	

## Продължение

<i>n</i>	<i>k</i>	<i>P</i>									
		.05	.10	.15	.20	.25	.30	.35	.40	.45	.50
14	10	.0000	.0000	.0000	.0000	.0003	.0014	.0049	.0136	.0312	.0611
	11	.0000	.0000	.0000	.0000	.0000	.0002	.0010	.0033	.0093	.0222
	12	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0005	.0019	.0056
	13	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0009
	14	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001
15	0	.4633	.2059	.0874	.0352	.0134	.0047	.0016	.0005	.0001	.0000
	1	.3658	.3432	.2312	.1319	.0668	.0305	.0126	.0047	.0016	.0005
	2	.1348	.2669	.2856	.2309	.1559	.0916	.0476	.0219	.0090	.0032
	3	.0307	.1285	.2184	.2501	.2252	.1700	.1110	.0634	.0318	.0139
	4	.0049	.0428	.1156	.1876	.2252	.2186	.1792	.1268	.0780	.0417
	5	.0006	.0105	.0449	.1032	.1651	.2061	.2123	.1859	.1404	.0916
	6	.0000	.0019	.0132	.0430	.0917	.1472	.1906	.2066	.1914	.1527
	7	.0000	.0003	.0030	.0138	.0393	.0811	.1319	.1771	.2013	.1964
	8	.0000	.0000	.0005	.0035	.0131	.0348	.0710	.1181	.1647	.1964
	9	.0000	.0000	.0001	.0007	.0034	.0116	.0298	.0612	.1048	.1527
	10	.0000	.0000	.0000	.0001	.0007	.0030	.0096	.0245	.0515	.0916
	11	.0000	.0000	.0000	.0000	.0001	.0006	.0024	.0074	.0191	.0417
	12	.0000	.0000	.0000	.0000	.0000	.0001	.0004	.0016	.0052	.0139
	13	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0010	.0032
	14	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0005
15	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	
16	0	.4401	.1853	.0743	.0281	.0100	.0033	.0010	.0003	.0001	.0000
	1	.3706	.3294	.2097	.1126	.0535	.0228	.0087	.0030	.0009	.0002
	2	.1463	.2745	.2775	.2111	.1336	.0732	.0353	.0150	.0056	.0018
	3	.0359	.1423	.2285	.2463	.2079	.1465	.0888	.0468	.0215	.0085
	4	.0061	.0514	.1311	.2001	.2252	.2040	.1553	.1014	.0572	.0278
	5	.0008	.0137	.0555	.1201	.1802	.2099	.2008	.1623	.1123	.0667
	6	.0001	.0028	.0180	.0550	.1101	.1649	.1982	.1983	.1684	.1222
	7	.0000	.0004	.0045	.0197	.0524	.1010	.1524	.1889	.1969	.1746
	8	.0000	.0001	.0009	.0055	.0197	.0487	.0923	.1417	.1812	.1964
	9	.0000	.0000	.0001	.0012	.0058	.0185	.0442	.0840	.1318	.1746
	10	.0000	.0000	.0000	.0002	.0014	.0056	.0167	.0392	.0755	.1222
	11	.0000	.0000	.0000	.0000	.0002	.0013	.0049	.0142	.0337	.0667
	12	.0000	.0000	.0000	.0000	.0000	.0002	.0011	.0040	.0115	.0278
	13	.0000	.0000	.0000	.0000	.0000	.0000	.0002	.0008	.0029	.0085
	14	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0005	.0018
	15	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002
16	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	

Продължение

<i>n</i>	<i>k</i>	<i>P</i>									
		.05	.10	.15	.20	.25	.30	.35	.40	.45	.50
17	0	.4181	.1668	.0631	.0225	.0075	.0023	.0007	.0002	.0000	.0000
	1	.3741	.3150	.1893	.0957	.0426	.0169	.0060	.0019	.0005	.0001
	2	.1575	.2800	.2673	.1914	.1136	.0581	.0260	.0102	.0035	.0010
	3	.0415	.1556	.2359	.2393	.1893	.1245	.0701	.0341	.0144	.0052
	4	.0076	.0605	.1457	.2093	.2209	.1868	.1320	.0796	.0411	.0182
	5	.0010	.0175	.0668	.1361	.1914	.2081	.1849	.1379	.0875	.0472
	6	.0001	.0039	.0236	.0680	.1276	.1784	.1991	.1839	.1432	.0944
	7	.0000	.0007	.0065	.0267	.0668	.1201	.1685	.1927	.1841	.1484
	8	.0000	.0001	.0014	.0084	.0279	.0644	.1134	.1606	.1883	.1855
	9	.0000	.0000	.0003	.0021	.0093	.0276	.0611	.1070	.1540	.1855
	10	.0000	.0000	.0000	.0004	.0025	.0095	.0263	.0571	.1008	.1484
	11	.0000	.0000	.0000	.0001	.0005	.0026	.0090	.0242	.0525	.0944
	12	.0000	.0000	.0000	.0000	.0001	.0006	.0024	.0021	.0215	.0472
	13	.0000	.0000	.0000	.0000	.0000	.0001	.0005	.0021	.0068	.0182
	14	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0004	.0016	.0052
	15	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0010
	16	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001
17	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	
18	0	.3972	.1501	.0536	.0180	.0056	.0016	.0004	.0001	.0000	.0000
	1	.3763	.3002	.1704	.0811	.0338	.0126	.0042	.0012	.0003	.0000
	2	.1683	.2835	.2556	.1723	.0958	.0458	.0190	.0069	.0022	.0006
	3	.0473	.1680	.2406	.2297	.1704	.1046	.0547	.0246	.0095	.0031
	4	.0093	.0700	.1592	.2153	.2130	.1681	.1104	.0614	.0291	.0117
	5	.0014	.0218	.0787	.1507	.1988	.2017	.1664	.1146	.0666	.0327
	6	.0002	.0052	.0301	.0816	.1436	.1873	.1941	.1655	.1181	.0708
	7	.0000	.0010	.0091	.0350	.0820	.1376	.1792	.1892	.1657	.1214
	8	.0000	.0002	.0022	.0120	.0376	.0811	.1327	.1734	.1864	.1669
	9	.0000	.0000	.0004	.0033	.0139	.0386	.0794	.1284	.1694	.1855
	10	.0000	.0000	.0001	.0008	.0042	.0149	.0385	.0771	.1248	.1669
	11	.0000	.0000	.0000	.0001	.0010	.0046	.0151	.0374	.0742	.1214
	12	.0000	.0000	.0000	.0000	.0002	.0012	.0047	.0145	.0354	.0708
	13	.0000	.0000	.0000	.0000	.0000	.0002	.0012	.0044	.0134	.0327
	14	.0000	.0000	.0000	.0000	.0000	.0000	.0002	.0011	.0039	.0117
	15	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0002	.0009	.0031
	16	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0006
	17	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001
18	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	

## Продължение

<i>n</i>	<i>k</i>	<i>P</i>									
		.05	.10	.15	.20	.25	.30	.35	.40	.45	.50
19	0	.3774	.1351	.0456	.0144	.0042	.0011	.0003	.0001	.0000	.0000
	1	.3774	.2852	.1529	.0685	.0268	.0093	.0029	.0008	.0002	.0000
	2	.1787	.2852	.2428	.1540	.0803	.0358	.0138	.0046	.0013	.0003
	3	.0533	.1796	.2428	.2182	.1517	.0869	.0422	.0175	.0062	.0018
	4	.0112	.0798	.1714	.2182	.2023	.1491	.0909	.0467	.0203	.0074
	5	.0018	.0266	.0907	.1636	.2023	.1916	.1468	.0933	.0497	.0222
	6	.0002	.0069	.0374	.0955	.1574	.1916	.1844	.1451	.0949	.0518
	7	.0000	.0014	.0122	.0443	.0974	.1525	.1844	.1797	.1443	.0961
	8	.0000	.0002	.0032	.0166	.0487	.0981	.1489	.1797	.1771	.1442
	9	.0000	.0000	.0007	.0051	.0198	.0514	.0980	.1464	.1771	.1762
	10	.0000	.0000	.0001	.0013	.0066	.0220	.0528	.0976	.1449	.1762
	11	.0000	.0000	.0000	.0003	.0018	.0077	.0233	.0532	.0970	.1442
	12	.0000	.0000	.0000	.0000	.0004	.0022	.0083	.0237	.0529	.0961
	13	.0000	.0000	.0000	.0000	.0001	.0005	.0024	.0085	.0233	.0518
	14	.0000	.0000	.0000	.0000	.0000	.0001	.0006	.0024	.0082	.0222
	15	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0005	.0022	.0074
	16	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0005	.0018
	17	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003
	18	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
19	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	
20	0	.3585	.1216	.0388	.0115	.0032	.0008	.0002	.0000	.0000	.0000
	1	.3774	.2702	.1368	.0576	.0211	.0068	.0020	.0005	.0001	.0000
	2	.1887	.2852	.2293	.1369	.0669	.0278	.0100	.0031	.0008	.0002
	3	.0596	.1901	.2428	.2054	.1339	.0716	.0323	.0123	.0040	.0011
	4	.0133	.0898	.1821	.2182	.1897	.1304	.0738	.0350	.0139	.0046
	5	.0022	.0319	.1028	.1746	.2023	.1789	.1272	.0746	.0365	.0148
	6	.0003	.0089	.0454	.1091	.1686	.1916	.1712	.1244	.0746	.0370
	7	.0000	.0020	.0160	.0545	.1124	.1643	.1844	.1659	.1221	.0739
	8	.0000	.0004	.0046	.0222	.0609	.1144	.1614	.1797	.1623	.1201
	9	.0000	.0001	.0011	.0074	.0271	.0654	.1158	.1597	.1771	.1602
	10	.0000	.0000	.0002	.0020	.0099	.0308	.0686	.1171	.1593	.1762
	11	.0000	.0000	.0000	.0005	.0030	.0120	.0336	.0710	.1185	.1602
	12	.0000	.0000	.0000	.0001	.0008	.0039	.0136	.0355	.0727	.1201
	13	.0000	.0000	.0000	.0000	.0002	.0010	.0045	.0146	.0366	.0739
	14	.0000	.0000	.0000	.0000	.0000	.0002	.0012	.0049	.0150	.0370
	15	.0000	.0000	.0000	.0000	.0000	.0000	.0003	.0013	.0049	.0148
	16	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0003	.0013	.0046
	17	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0002	.0011
	18	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0002
	19	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
	20	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

## Приложение 2. Пуассоново распределение

$k$	$\lambda$									
	.005	.01	.02	.03	.04	.05	.06	.07	.08	.09
0	.9950	.9900	.9802	.9704	.9608	.9512	.9418	.9324	.9231	.9139
1	.0050	.0099	.0192	.0291	.0384	.0476	.0565	.0653	.0738	.0823
2	.0000	.0000	.0002	.0004	.0008	.0012	.0017	.0023	.0030	.0037
3	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001
$k$	$\lambda$									
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0	.9048	.8187	.7408	.6703	.6065	.5488	.4966	.4493	.4066	.3679
1	.0905	.1637	.2222	.2681	.3033	.3293	.3476	.3595	.3659	.3679
2	.0045	.0164	.0333	.0536	.0758	.0988	.1217	.1438	.1647	.1839
3	.0002	.0011	.0033	.0072	.0126	.0198	.0284	.0283	.0494	.0613
4	.0000	.0001	.0002	.0007	.0016	.0030	.0050	.0077	.0111	.0153
5	.0000	.0000	.0000	.0001	.0002	.0004	.0007	.0012	.0020	.0031
6	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0003	.0005
7	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001
$k$	$\lambda$									
	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
0	.3329	.3012	.2725	.2466	.2231	.2019	.1827	.1653	.1496	.1353
1	.3662	.3614	.3543	.3452	.3347	.3230	.3106	.2975	.2842	.2707
2	.2014	.2169	.2303	.2417	.2510	.2584	.2640	.2678	.2700	.2707
3	.0738	.0867	.0998	.1128	.1255	.1378	.1496	.1607	.1710	.1804
4	.0203	.0260	.0324	.0395	.0471	.0551	.0636	.0723	.0812	.0902
5	.0045	.0062	.0084	.0111	.0141	.0176	.0216	.0260	.0309	.0361
6	.0008	.0012	.0018	.0026	.0035	.0047	.0061	.0078	.0098	.0120
7	.0001	.0002	.0003	.0005	.0008	.0011	.0015	.0020	.0027	.0034
8	.0000	.0000	.0001	.0001	.0001	.0002	.0003	.0005	.0006	.0009
9	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0002
$k$	$\lambda$									
	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
0	.1225	.1108	.1003	.0907	.0821	.0743	.0672	.0608	.0550	.0498
1	.2572	.2438	.2306	.2177	.2052	.1931	.1815	.1703	.1596	.1494
2	.2700	.2681	.2652	.2613	.2565	.2510	.2450	.2384	.2314	.2240
3	.1890	.1966	.2033	.2090	.2138	.2176	.2205	.2225	.2237	.2240
4	.0992	.1082	.1169	.1254	.1336	.1414	.1488	.1557	.1622	.1680
5	.0417	.0476	.0538	.0602	.0668	.0735	.0804	.0872	.0940	.1008
6	.0146	.0174	.0206	.0241	.0278	.0319	.0362	.0407	.0455	.0504
7	.0044	.0055	.0068	.0083	.0099	.0118	.0139	.0163	.0188	.0216
8	.0011	.0015	.0019	.0025	.0031	.0038	.0047	.0057	.0068	.0081
9	.0003	.0004	.0005	.0007	.0009	.0011	.0014	.0018	.0022	.0027

## Продължение

<i>k</i>	$\lambda$									
	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
10	.0001	.0001	.0001	.0002	.0002	.0003	.0004	.0005	.0006	.0008
11	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0002	.0002
12	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001
<i>k</i>	$\lambda$									
	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
0	.0450	.0408	.0369	.0334	.0302	.0273	.0247	.0224	.0202	.0183
1	.1397	.1304	.1217	.1135	.1057	.0984	.0915	.0850	.0789	.0733
2	.2165	.2087	.2008	.1929	.1850	.1771	.1692	.1615	.1539	.1465
3	.2237	.2226	.2209	.2186	.2158	.2125	.2087	.2046	.2001	.1954
4	.1734	.1881	.1823	.1858	.1888	.1912	.1931	.1944	.1951	.1954
5	.1075	.1140	.1203	.1264	.1322	.1377	.1429	.1477	.1522	.1563
6	.0555	.0608	.0662	.0716	.0771	.0826	.0881	.0936	.0989	.1042
7	.0246	.0278	.0312	.0348	.0385	.0425	.0466	.0508	.0551	.0595
8	.0095	.0111	.0129	.0148	.0169	.0191	.0215	.0241	.0269	.0298
9	.0033	.0040	.0047	.0056	.0066	.0076	.0089	.0102	.0116	.0132
10	.0010	.0013	.0016	.0019	.0023	.0028	.0033	.0039	.0045	.0053
11	.0003	.0004	.0005	.0006	.0007	.0009	.0011	.0013	.0016	.0019
12	.0001	.0001	.0001	.0002	.0002	.0003	.0003	.0004	.0005	.0006
13	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0002	.0002
14	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001
<i>k</i>	$\lambda$									
	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
0	.0166	.0150	.0136	.0123	.0111	.0101	.0091	.0082	.0074	.0067
1	.0679	.0630	.0583	.0540	.0500	.0462	.0427	.0395	.0365	.0337
2	.1393	.1323	.1254	.1188	.1125	.1063	.1005	.0948	.0894	.0842
3	.1904	.1852	.1798	.1743	.1687	.1631	.1574	.1517	.1460	.1404
4	.1951	.1944	.1913	.1917	.1898	.1875	.1849	.1820	.1789	.1755
5	.1600	.1633	.1662	.1687	.1708	.1725	.1738	.1747	.1753	.1755
6	.1093	.1143	.1191	.1237	.1281	.1323	.1362	.1398	.1432	.1462
7	.0640	.0686	.0732	.0778	.0824	.0869	.0914	.0959	.1002	.1044
8	.0328	.0360	.0393	.0428	.0463	.0500	.0537	.0575	.0614	.0653
9	.0150	.0168	.0188	.0209	.0232	.0255	.0280	.0307	.0334	.0363
10	.0061	.0071	.0081	.0092	.0104	.0118	.0132	.0147	.0164	.0181
11	.0023	.0027	.0032	.0037	.0043	.0049	.0056	.0064	.0073	.0082
12	.0008	.0009	.0011	.0014	.0016	.0019	.0022	.0026	.0030	.0034
13	.0002	.0003	.0004	.0005	.0006	.0007	.0008	.0009	.0011	.0013
14	.0001	.0001	.0001	.0001	.0002	.0002	.0003	.0003	.0004	.0005
15	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0002



**Продължение**

<i>k</i>	$\lambda$									
	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0
0	.0061	.0055	.0050	.0045	.0041	.0037	.0033	.0030	.0027	.0025
1	.0311	.0287	.0265	.0244	.0225	.0207	.0191	.0176	.0162	.0149
2	.0793	.0746	.0701	.0659	.0618	.0580	.0544	.0509	.0477	.0446
3	.1348	.1293	.1239	.1185	.1133	.1082	.1033	.0985	.0938	.0892
4	.1719	.1681	.1641	.1600	.1558	.1515	.1472	.1428	.1383	.1339
5	.1753	.1748	.1740	.1728	.1714	.1697	.1678	.1656	.1632	.1606
6	.1490	.1515	.1537	.1555	.1571	.1584	.1594	.1601	.1605	.1606
7	.1086	.1125	.1163	.1200	.1234	.1267	.1298	.1326	.1353	.1377
8	.0692	.0731	.0771	.0810	.0849	.0887	.0925	.0962	.0998	.1033
9	.0392	.0423	.0454	.0486	.0519	.0552	.0586	.0620	.0654	.0688
10	.0200	.0220	.0241	.0262	.0285	.0309	.0334	.0359	.0386	.0413
11	.0093	.0104	.0116	.0129	.0143	.0157	.0173	.0190	.0207	.0225
12	.0039	.0045	.0051	.0058	.0065	.0073	.0082	.0092	.0102	.0113
13	.0015	.0018	.0021	.0024	.0028	.0032	.0036	.0041	.0046	.0052
14	.0006	.0007	.0008	.0009	.0011	.0013	.0015	.0017	.0019	.0022
15	.0002	.0002	.0003	.0003	.0004	.0005	.0006	.0007	.0008	.0009
16	.0001	.0001	.0001	.0001	.0001	.0002	.0002	.0002	.0003	.0003
17	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001
<i>k</i>	$\lambda$									
	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0
0	.0022	.0020	.0018	.0017	.0015	.0014	.0012	.0011	.0010	.0009
1	.0137	.0126	.0116	.0106	.0098	.0090	.0082	.0076	.0070	.0064
2	.0417	.0390	.0364	.0340	.0318	.0296	.0276	.0258	.0240	.0223
3	.0848	.0806	.0765	.0726	.0688	.0652	.0617	.0584	.0552	.0521
4	.1294	.1249	.1205	.1162	.1118	.1076	.1034	.0992	.0952	.0912
5	.1579	.1549	.1519	.1487	.1454	.1420	.1385	.1349	.1314	.1277
6	.1605	.1601	.1595	.1586	.1575	.1562	.1546	.1529	.1511	.1490
7	.1399	.1418	.1435	.1450	.1462	.1472	.1480	.1486	.1489	.1490
8	.1066	.1099	.1130	.1160	.1188	.1215	.1240	.1263	.1284	.1304
9	.0723	.0757	.0791	.0825	.0858	.0891	.0923	.0954	.0985	.1014
10	.0441	.0469	.0498	.0528	.0558	.0588	.0618	.0649	.0679	.0710
11	.0245	.0265	.0285	.0307	.0330	.0353	.0377	.0401	.0426	.0452
12	.0124	.0137	.0150	.0164	.0179	.0194	.0210	.0227	.0245	.0264
13	.0058	.0065	.0073	.0081	.0089	.0098	.0108	.0119	.0130	.0142
14	.0025	.0029	.0033	.0037	.0041	.0046	.0052	.0058	.0064	.0071
15	.0010	.0012	.0014	.0016	.0018	.0020	.0023	.0026	.0029	.0033
16	.0004	.0005	.0005	.0006	.0007	.0008	.0010	.0011	.0013	.0014
17	.0001	.0002	.0002	.0002	.0003	.0003	.0004	.0004	.0005	.0006
18	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0002	.0002	.0002
19	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001

## Продължение

<i>k</i>	$\lambda$									
	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
0	.0008	.0007	.0007	.0006	.0006	.0005	.0005	.0004	.0004	.0003
1	.0059	.0054	.0049	.0045	.0041	.0038	.0035	.0032	.0029	.0027
2	.0208	.0194	.0180	.0167	.0156	.0145	.0134	.0125	.0116	.0107
3	.0492	.0464	.0438	.0413	.0389	.0366	.0345	.0324	.0305	.0286
4	.0874	.0836	.0799	.0764	.0729	.0696	.0663	.0632	.0602	.0573
5	.1241	.1204	.1167	.1130	.1094	.1057	.1021	.0986	.0951	.0916
6	.1468	.1445	.1420	.1394	.1367	.1339	.1311	.1282	.1252	.1221
7	.1489	.1486	.1481	.1474	.1465	.1454	.1442	.1428	.1413	.1396
8	.1321	.1337	.1351	.1363	.1373	.1382	.1388	.1392	.1395	.1396
9	.1042	.1070	.1096	.1121	.1144	.1167	.1187	.1207	.1224	.1241
10	.0740	.0770	.0800	.0829	.0858	.0887	.0914	.0941	.0967	.0993
11	.0478	.0504	.0531	.0558	.0585	.0613	.0640	.0667	.0695	.0722
12	.0283	.0303	.0323	.0344	.0366	.0388	.0411	.0434	.0457	.0481
13	.0154	.0168	.0181	.0196	.0211	.0227	.0243	.0260	.0278	.0296
14	.0078	.0086	.0095	.0104	.0113	.0123	.0134	.0145	.0157	.0169
15	.0037	.0041	.0046	.0051	.0057	.0062	.0069	.0075	.0083	.0090
16	.0016	.0019	.0021	.0024	.0026	.0030	.0033	.0037	.0041	.0045
17	.0007	.0008	.0009	.0010	.0012	.0013	.0015	.0017	.0019	.0021
18	.0003	.0003	.0004	.0004	.0005	.0006	.0006	.0007	.0008	.0009
19	.0001	.0001	.0001	.0002	.0002	.0002	.0003	.0003	.0003	.0004
20	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0002
21	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001

**Приложение 3. Нормално разпределение - ординати на нормалната крива**

<b>z</b>	<b>0,00</b>	<b>0,01</b>	<b>0,02</b>	<b>0,03</b>	<b>0,04</b>	<b>0,05</b>	<b>0,06</b>	<b>0,07</b>	<b>0,08</b>	<b>0,09</b>
<b>0,0</b>	0,39894	0,39892	0,39886	0,39876	0,39862	0,39844	0,39822	0,39797	0,39767	0,39733
<b>0,1</b>	,39695	,39654	,39608	,39559	,39505	,39448	,39387	,39322	,39253	,39181
<b>0,2</b>	,39104	,39024	,38940	,38853	,38762	,38667	,38568	,38466	,38361	,38251
<b>0,3</b>	,38139	,38023	,37903	,37780	,37654	,37524	,37391	,37255	,37115	,36973
<b>0,4</b>	,36827	,36678	,36526	,36371	,36213	,36053	,35889	,35723	,35553	,35381
<b>0,5</b>	,35207	,35029	,34849	,34667	,34482	,34294	,34105	,33912	,33718	,33521
<b>0,6</b>	,33322	,33121	,32918	,32713	,32506	,32297	,32086	,31874	,31659	,31443
<b>0,7</b>	,31225	,31006	,30785	,30563	,30339	,30114	,29887	,29659	,29431	,29200
<b>0,8</b>	,28969	,28737	,28504	,28269	,28034	,27798	,27582	,27324	,27086	,26848
<b>0,9</b>	,26609	,26369	,26129	,25888	,25647	,25406	,25164	,24923	,24681	,24439
<b>1,0</b>	,24197	,23955	,23713	,23471	,23230	,22988	,22747	,22506	,22265	,22025
<b>1,1</b>	,21785	,21546	,21307	,21069	,20831	,20594	,20357	,20121	,19886	,19652
<b>1,2</b>	,19419	,19186	,18954	,18724	,18494	,18265	,18037	,17810	,17585	,17360
<b>1,3</b>	,17137	,16915	,16694	,16474	,16256	,16038	,15822	,15608	,15395	,15183
<b>1,4</b>	,14937	,14764	,14556	,14350	,14146	,13943	,13742	,13542	,13344	,13147
<b>1,5</b>	,12952	,12758	,12566	,12376	,12188	,12051	,11816	,11632	,11450	,11270
<b>1,6</b>	,11092	,10915	,10741	,10567	,10396	,10226	,10059	,09893	,09728	,09566
<b>1,7</b>	,09405	,09246	,09089	,08933	,08780	,08628	,08478	,08329	,08183	,08038
<b>1,8</b>	,07895	,07754	,07614	,07477	,07341	,07206	,07074	,06943	,06814	,06687
<b>1,9</b>	,06562	,06438	,06316	,06195	,06077	,05959	,05844	,05730	,05618	,05508
<b>2,0</b>	,05399	,05292	,05186	,05082	,04980	,04879	,04780	,04682	,04586	,04491
<b>2,1</b>	,04398	,04307	,04217	,04128	,04041	,03955	,03871	,03788	,03706	,03626
<b>2,2</b>	,03547	,03470	,03394	,03319	,03246	,03174	,03103	,03034	,02965	,02898
<b>2,3</b>	,02833	,02768	,02705	,02643	,02582	,02522	,02463	,02406	,02349	,02294
<b>2,4</b>	,02239	,02186	,02134	,02083	,02033	,01984	,01936	,01889	,01842	,01797
<b>2,5</b>	,01753	,01709	,01667	,01625	,01585	,01545	,01506	,01468	,01431	,01394
<b>2,6</b>	,01358	,01323	,01289	,01256	,01223	,01191	,01160	,01130	,01100	,01071
<b>2,7</b>	,01042	,01014	,00987	,00961	,00935	,00909	,00885	,00861	,00837	,00814
<b>2,8</b>	,00792	,00770	,00748	,00727	,00707	,00687	,00668	,00649	,00631	,00613
<b>2,9</b>	,00595	,00578	,00562	,00545	,00530	,00514	,00499	,00485	,00471	,00457
<b>3,0</b>	<b>,00443</b>	<b>,00327</b>	<b>,00238</b>	<b>,00172</b>	<b>,00123</b>	<b>,00087</b>	<b>,00061</b>	<b>,00042</b>	<b>,00029</b>	<b>,00020</b>

**Приложение 4. Нормално разпределение – площи под  
нормалната крива**

<b>z</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
<b>0.0</b>	0.0000	0.0080	0.0160	0.0239	0.0319	0.0340	0.0478	0.0558	0.0638	0.0718
<b>0.1</b>	0.0796	0.0876	0.0956	0.1034	0.1114	0.1192	0.1272	0.1350	0.1428	0.1506
<b>0.2</b>	0.1586	0.1664	0.1742	0.1820	0.1896	0.1974	0.2052	0.2128	0.2206	0.2282
<b>0.3</b>	0.2358	0.2434	0.2510	0.2586	0.2662	0.2736	0.2812	0.2886	0.2960	0.3034
<b>0.4</b>	0.3108	0.3182	0.3256	0.3328	0.3400	0.3472	0.3544	0.3616	0.3688	0.3758
<b>0.5</b>	0.3830	0.3900	0.3970	0.4038	0.4108	0.4176	0.4246	0.4314	0.4380	0.4448
<b>0.6</b>	0.4514	0.4582	0.4648	0.4714	0.4778	0.4844	0.4908	0.4972	0.5034	0.5098
<b>0.7</b>	0.5160	0.5222	0.5284	0.5346	0.5406	0.5468	0.5528	0.5588	0.5646	0.5704
<b>0.8</b>	0.5762	0.5820	0.5878	0.5934	0.5990	0.6046	0.6102	0.6156	0.6212	0.6266
<b>0.9</b>	0.6318	0.6372	0.6424	0.6476	0.6528	0.6578	0.6630	0.6680	0.6730	0.6778
<b>1.0</b>	0.6826	0.6876	0.6922	0.6970	0.7016	0.7062	0.7108	0.7154	0.7198	0.7242
<b>1.1</b>	0.7286	0.7330	0.7372	0.7414	0.7458	0.7498	0.7540	0.7580	0.7620	0.7660
<b>1.2</b>	0.7698	0.7738	0.7776	0.7814	0.7850	0.7888	0.7924	0.7960	0.7994	0.8030
<b>1.3</b>	0.8064	0.8092	0.8132	0.8164	0.8198	0.8230	0.8262	0.8294	0.8324	0.8354
<b>1.4</b>	0.8384	0.8414	0.8444	0.8472	0.8502	0.8530	0.8558	0.8584	0.8612	0.8638
<b>1.5</b>	0.8664	0.8690	0.8714	0.8740	0.8764	0.8788	0.8812	0.8836	0.8858	0.8882
<b>1.6</b>	0.8904	0.8926	0.8948	0.8968	0.8990	0.9011	0.9030	0.9050	0.9070	0.9090
<b>1.7</b>	0.9108	0.9128	0.9146	0.9164	0.9182	0.9198	0.9216	0.9232	0.9250	0.9266
<b>1.8</b>	0.9282	0.9298	0.9312	0.9328	0.9342	0.9356	0.9372	0.9386	0.9398	0.9412
<b>1.9</b>	0.9426	0.9438	0.9452	0.9464	0.9476	0.9488	0.9500	0.9512	0.9522	0.9534
<b>2.0</b>	0.9544	0.9452	0.9566	0.9576	0.9586	0.9596	0.9606	0.9616	0.9624	0.9634
<b>2.1</b>	0.9642	0.9652	0.9660	0.9668	0.9676	0.9684	0.9692	0.9700	0.9708	0.9714
<b>2.2</b>	0.9722	0.9728	0.9736	0.9742	0.9750	0.9756	0.9762	0.9768	0.9774	0.9780
<b>2.3</b>	0.9786	0.9792	0.9796	0.9802	0.9808	0.9812	0.9818	0.9822	0.9826	0.9832
<b>2.4</b>	0.9836	0.9840	0.9844	0.9850	0.9854	0.9858	0.9862	0.9864	0.9868	0.9872
<b>2.5</b>	0.9876	0.9880	0.9882	0.9886	0.9890	0.9892	0.9896	0.9898	0.9902	0.9904
<b>2.6</b>	0.9906	0.9910	0.9912	0.9914	0.9918	0.9920	0.9922	0.9924	0.9926	0.9928
<b>2.7</b>	0.9930	0.9932	0.9934	0.9936	0.9938	0.9940	0.9942	0.9944	0.9946	0.9948
<b>2.8</b>	0.9948	0.9950	0.9952	0.9954	0.9954	0.9956	0.9958	0.9958	0.9960	0.9972
<b>2.9</b>	0.9962	0.9964	0.9964	0.9966	0.9968	0.9970	0.9970	0.9970	0.9972	0.9972
<b>3.0</b>	0.9974	0.9974	0.9974	0.9976	0.9976	0.9978	0.9978	0.9978	0.9980	0.9980
<b>3.1</b>	0.9980	0.9982	0.9982	0.9982	0.9984	0.9984	0.9984	0.9984	0.9986	0.9986
<b>3.2</b>	0.9986	0.9986	0.9988	0.9988	0.9988	0.9988	0.9988	0.9990	0.9990	0.9990
<b>3.3</b>	0.9990	0.9990	0.9990	0.9992	0.9992	0.9992	0.9992	0.9992	0.9992	0.9994
<b>3.4</b>	0.9994	0.9994	0.9994	0.9994	0.9994	0.9994	0.9994	0.9994	0.9994	0.9966

## Приложение 5. *t*-разпределение

$\phi$	$\alpha_{\%}$ при двустранна критична област							
	50	25	10	5	2	1	0,2	0,1
1	1,00	2,41	6,31	12,71	31,82	63,70	31,82	63,66
2	,816	1,60	2,92	4,30	6,97	9,92	22,33	31,6
3	,765	1,42	2,35	3,18	4,54	5,84	10,22	12,9
4	,741	1,34	2,13	2,78	3,75	4,60	7,17	8,61
5	,727	1,30	2,01	2,57	3,37	4,03	5,89	6,86
6	,718	1,27	1,91	2,45	3,14	3,71	5,21	5,96
7	,711	1,25	1,89	2,36	3,00	3,50	4,79	5,40
8	,706	1,24	1,86	2,31	2,90	3,36	4,50	5,04
9	,703	1,23	1,83	2,26	2,82	3,25	4,30	4,78
10	,700	1,22	1,81	2,23	2,76	3,17	4,14	4,59
11	,697	1,21	1,80	2,20	2,72	3,11	4,03	4,44
12	,695	1,21	1,78	2,18	2,68	3,05	3,93	4,32
13	,694	1,20	1,77	2,16	2,65	3,01	3,85	4,22
14	,692	1,20	1,76	2,14	2,62	2,98	3,79	4,14
15	,691	1,20	1,75	2,13	2,60	2,95	3,73	4,07
16	,690	1,19	1,75	2,12	2,58	2,92	3,69	4,01
17	,689	1,19	1,74	2,11	2,57	2,90	3,65	3,96
18	,688	1,19	1,73	2,10	2,55	2,88	3,61	3,92
19	,688	1,19	1,73	2,09	2,54	2,86	3,58	3,88
20	,687	1,18	1,73	2,09	2,53	2,85	3,55	3,85
21	,686	1,18	1,72	2,08	2,52	2,83	3,53	3,82
22	,686	1,18	1,72	2,07	2,51	2,82	3,51	3,79
23	,685	1,18	1,71	2,07	2,50	2,81	3,49	3,77
24	,685	1,18	1,71	2,06	2,49	2,80	3,47	3,74
25	,684	1,18	1,71	2,06	2,49	2,79	3,45	3,72
26	,684	1,18	1,71	2,06	2,48	2,78	3,44	3,71
27	,684	1,18	1,70	2,05	2,47	2,77	3,42	3,69
28	,683	1,17	1,70	2,05	2,47	2,76	3,41	3,67
29	,683	1,17	1,70	2,05	2,46	2,76	3,40	3,66
30	,683	1,17	1,70	2,04	2,46	2,75	3,39	3,65
40	,681	1,17	1,68	2,02	2,42	2,70	3,31	3,55
60	,679	1,16	1,67	2,00	2,39	2,66	3,23	3,46
120	,677	1,16	1,66	1,98	2,36	2,62	3,17	3,37
$\infty$	,674	1,15	1,64	1,96	2,33	2,58	3,09	3,29

  

$\alpha_{\%}$ при едностранна критична област								
$\phi$	25	12,5	5	2,5	1	0,5	0,1	0,05

## Приложение 6. $\chi^2$ -разделение

$\phi$	$\alpha = 0,10$	$\alpha = 0,05$	$\alpha = 0,01$	$\alpha = 0,001$	$\phi$
1	2,71	3,841	6,635	10,827	1
2	4,61	5,991	9,210	13,815	2
3	6,25	7,815	11,345	16,268	3
4	7,78	9,488	13,277	18,465	4
5	9,24	11,070	15,086	20,517	5
6	10,6	12,592	16,812	22,457	6
7	12,0	14,067	18,475	24,322	7
8	13,4	15,507	20,090	26,125	8
9	14,7	16,919	21,666	27,877	9
10	16,0	18,307	23,209	29,588	10
11	17,3	19,675	24,725	31,264	11
12	18,5	21,026	26,217	32,909	12
13	19,8	22,362	27,688	34,528	13
14	21,1	23,685	29,141	36,123	14
15	22,3	24,996	30,578	37,697	15
16	23,5	26,296	32,000	39,252	16
17	24,8	27,587	33,409	40,790	17
18	26,0	28,869	34,805	42,312	18
19	27,2	30,144	36,191	43,820	19
20	28,4	31,410	37,566	45,315	20
21	29,6	32,671	38,932	46,797	21
22	30,8	33,942	40,289	48,268	22
23	32,0	35,172	41,638	49,728	23
24	33,2	36,415	42,980	51,179	24
25	34,4	37,652	44,314	52,620	25
26	35,6	38,885	45,642	54,052	26
27	36,7	40,113	46,963	55,476	27
28	37,9	41,337	48,278	56,893	28
29	39,1	42,557	49,588	58,302	29
30	40,3	43,773	50,892	59,703	30
40	51,8	55,8	63,7	73,4	40
50	63,2	67,5	76,2	86,7	50
60	74,4	79,1	88,4	99,6	60
70	85,5	90,5	100,4	112,3	70
80	96,6	101,9	112,3	124,8	80
90	107,6	113,1	124,1	137,2	90
100	118,5	124,3	135,8	149,4	100

## Приложение 7. F-разпределение

При  $\alpha = 0,01$

$\phi_2 \backslash \phi_1$	1	2	3	4	5	6	8	12	24	$\infty$
1	4052	4999	5403	5625	5764	5859	5981	6106	6234	6366
2	98,49	99,01	99,17	99,25	99,30	99,33	99,36	99,42	99,46	99,50
3	34,12	30,81	29,46	28,71	28,24	27,91	27,49	27,05	26,60	26,12
4	21,20	18,00	16,69	15,98	15,52	15,21	14,80	14,37	13,93	13,46
5	16,26	13,27	12,06	11,39	10,97	10,67	10,27	9,89	9,47	9,02
6	13,74	10,92	9,78	9,15	8,75	8,47	8,10	7,72	7,31	6,88
7	12,25	9,55	8,45	7,85	7,46	7,19	6,84	6,47	6,07	5,65
8	11,26	8,65	7,59	7,01	6,63	6,37	6,03	5,67	5,28	4,86
9	10,56	8,02	6,99	6,42	6,06	5,80	5,47	5,11	4,73	4,31
10	10,04	7,56	6,55	5,99	5,64	5,39	5,06	4,71	4,33	3,91
11	9,65	7,20	6,22	5,67	5,32	5,07	4,74	4,40	4,02	3,60
12	9,33	6,93	5,95	5,41	5,06	4,82	4,50	4,16	3,78	3,36
13	9,07	6,70	5,74	5,20	4,86	4,62	4,30	3,96	3,59	3,16
14	8,86	6,51	5,56	5,03	4,69	4,46	4,14	3,80	3,43	3,00
15	8,68	6,36	5,42	4,89	4,56	4,32	4,00	3,67	3,29	2,87
16	8,53	6,23	5,29	4,77	4,44	4,20	3,89	3,55	3,18	2,75
17	8,40	6,11	5,18	4,67	4,34	4,10	3,79	3,45	3,08	2,65
18	8,28	6,01	5,09	4,58	4,25	4,01	3,71	3,37	3,00	2,57
19	8,18	5,93	5,01	4,50	4,17	3,94	3,63	3,30	2,92	2,49
20	8,10	5,85	4,94	4,43	4,10	3,87	3,56	3,23	2,86	2,42
21	8,02	5,78	4,87	4,37	4,04	3,81	3,51	3,17	2,80	2,36
22	7,94	5,72	4,82	4,31	3,99	3,76	3,45	3,12	2,75	2,31
23	7,88	5,66	4,76	4,26	3,94	3,71	3,41	3,07	2,70	2,26
24	7,82	5,61	4,72	4,22	3,90	3,67	3,36	3,03	2,66	2,21
25	7,77	5,57	4,68	4,18	3,86	3,63	3,32	2,99	2,62	2,17
26	7,72	5,53	4,64	4,14	3,82	3,59	3,29	2,96	2,58	2,13
27	7,68	5,49	4,60	4,11	3,78	3,56	3,26	2,93	2,55	2,10
28	7,64	5,45	4,57	4,07	3,75	3,53	3,23	2,90	2,52	2,06
29	7,60	5,42	4,54	4,04	3,73	3,50	3,20	2,87	2,49	2,03
30	7,56	5,39	4,51	4,02	3,70	3,47	3,17	2,84	2,47	2,01
40	7,31	5,18	4,31	3,83	3,51	3,29	2,99	2,66	2,29	1,80
60	7,08	4,98	4,13	3,65	3,34	3,12	2,82	2,50	2,12	1,60
120	6,85	4,79	3,95	3,48	3,17	2,96	2,66	2,34	1,95	1,38
$\infty$	6,64	4,60	3,78	3,32	3,02	2,80	2,51	2,18	1,79	1,00

Забелешка:  $\phi_1$  - степени на свобода за по-голямата оценка на дисперсията;

$\phi_2$  - степени на свобода за по-малката оценка.

Продължение

*F*-разпределение

При  $\alpha = 0,05$

$\phi_2 \backslash \phi_1$	1	2	3	4	5	6	8	12	24	$\infty$
1	161,4	199,5	215,7	224,6	230,2	234,0	238,9	243,9	249,0	254,3
2	18,51	19,00	19,16	19,25	19,30	19,33	19,37	19,41	19,45	19,50
3	10,13	9,55	9,28	9,12	9,01	8,94	8,84	8,74	8,64	8,53
4	7,71	6,94	6,59	6,39	6,26	6,16	6,04	5,91	5,77	5,63
5	6,61	5,79	5,41	5,19	5,05	4,95	4,82	4,68	4,53	4,36
6	5,99	5,14	4,76	4,53	4,39	4,28	4,15	4,00	3,84	3,67
7	5,59	4,74	4,35	4,12	3,97	3,87	3,73	3,57	3,41	3,23
8	5,32	4,46	4,07	3,84	3,69	3,58	3,44	3,28	3,12	2,93
9	5,12	4,26	3,86	3,63	3,48	3,37	3,23	3,07	2,90	2,71
10	4,96	4,10	3,71	3,48	3,33	3,22	3,07	2,91	2,74	2,54
11	4,84	3,98	3,59	3,36	3,20	3,09	2,95	2,79	2,61	2,40
12	4,75	3,88	3,49	3,26	3,11	3,00	2,85	2,69	2,50	2,30
13	4,67	3,80	3,41	3,18	3,02	2,92	2,77	2,60	2,42	2,21
14	4,60	3,74	3,34	3,11	2,96	2,85	2,70	2,53	2,35	2,13
15	4,54	3,68	3,29	3,06	2,90	2,79	2,64	2,48	2,29	2,07
16	4,49	3,63	3,24	3,01	2,85	2,74	2,59	2,42	2,24	2,01
17	4,45	3,59	3,20	2,96	2,81	2,70	2,55	2,38	2,19	1,96
18	4,41	3,55	3,16	2,93	2,77	2,66	2,51	2,34	2,15	1,92
19	4,38	3,52	3,13	2,90	2,74	2,63	2,48	2,31	2,11	1,88
20	4,35	3,49	3,10	2,87	2,71	2,60	2,45	2,28	2,08	1,84
21	4,32	3,47	3,07	2,84	2,68	2,57	2,42	2,25	2,05	1,81
22	4,30	3,44	3,05	2,82	2,66	2,55	2,40	2,23	2,03	1,78
23	4,28	3,42	3,03	2,80	2,64	2,53	2,38	2,20	2,00	1,76
24	4,26	3,40	3,01	2,78	2,62	2,51	2,36	2,18	1,98	1,73
25	4,24	3,38	2,99	2,76	2,60	2,49	2,34	2,16	1,96	1,71
26	4,22	3,37	2,98	2,74	2,59	2,47	2,32	2,15	1,95	1,69
27	4,21	3,35	2,96	2,73	2,57	2,46	2,30	2,13	1,93	1,67
28	4,20	3,34	2,95	2,71	2,56	2,44	2,29	2,12	1,91	1,65
29	4,18	3,33	2,93	2,70	2,54	2,43	2,28	2,10	1,90	1,64
30	4,17	3,32	2,92	2,69	2,53	2,42	2,27	2,09	1,89	1,62
40	4,08	3,23	2,84	2,61	2,45	2,34	2,18	2,00	1,79	1,52
60	4,00	3,15	2,76	2,52	2,37	2,25	2,10	1,92	1,70	1,39
120	3,92	3,07	2,68	2,45	2,29	2,17	2,02	1,83	1,61	1,25
$\infty$	3,84	2,99	2,60	2,37	2,21	2,09	1,94	1,75	1,52	1,00

Забелелка:  $\phi_1$  - степени на свобода за по-голямата оценка на дисперсията;

$\phi_2$  - степени на свобода за по-малката оценка.



## Приложение 8. Z-трансформация на корелационния

$$\text{коэффициент} \left( Z_r = \frac{1}{2} \ln \frac{1+r}{1-r} \right)$$

<i>r</i>	<b>0,00</b>	<b>0,01</b>	<b>0,02</b>	<b>0,03</b>	<b>0,04</b>	<b>0,05</b>	<b>0,06</b>	<b>0,07</b>	<b>0,08</b>	<b>0,09</b>
,0	0,000	0,010	0,020	0,030	0,040	0,050	0,060	0,070	0,080	0,090
,1	,100	,110	,121	,131	,141	,151	,161	,172	,182	,192
,2	,203	,213	,224	,231	,245	,255	,266	,277	,288	,299
,3	,310	,321	,332	,343	,354	,365	,377	,388	,400	,412
,4	,424	,436	,448	,460	,472	,485	,497	,510	,523	,536
,5	,549	,563	,576	,590	,604	,618	,633	,648	,662	,678
,6	,693	,709	,725	,741	,758	,775	,793	,811	,829	,848
,7	,867	,887	,908	,929	,950	,973	,996	1,020	1,045	1,071
,8	1,099	1,127	1,157	1,188	1,221	1,256	1,293	1,333	1,376	1,422
<i>r</i>	<b>0,000</b>	<b>0,001</b>	<b>0,002</b>	<b>0,003</b>	<b>0,004</b>	<b>0,005</b>	<b>0,006</b>	<b>0,007</b>	<b>0,008</b>	<b>0,009</b>
,90	1,472	1,478	1,483	1,488	1,494	1,499	1,505	1,510	1,516	1,522
,91	1,528	1,533	1,539	1,545	1,551	1,557	1,564	1,570	1,576	1,583
,92	1,589	1,596	1,602	1,609	1,616	1,623	1,630	1,637	1,644	1,651
,93	1,658	1,666	1,673	1,681	1,689	1,697	1,705	1,713	1,721	1,730
,94	1,738	1,747	1,756	1,764	1,774	1,783	1,792	1,802	1,812	1,822
,95	1,832	1,842	1,853	1,863	1,874	1,886	1,897	1,909	1,921	1,933
,96	1,946	1,959	1,972	1,986	2,000	2,014	2,029	2,044	2,060	2,076
,97	2,092	2,109	2,127	2,146	2,165	2,185	2,205	2,227	2,249	2,273
,98	2,298	2,323	2,351	2,380	2,410	2,443	2,477	2,515	2,555	2,599
,99	2,646	2,700	2,759	2,826	2,903	2,994	3,106	3,250	3,453	3,800

## Приложение 9. Обратна трансформация на $Z_r$ в $r^*$

$Z_r$	0,00	0,01	0,02	0,03	0,04	0,05	0,06	0,07	0,08	0,09
<b>0,0</b>	0,000	0,010	0,020	0,030	0,040	0,050	0,060	0,070	0,080	0,090
<b>,1</b>	,100	,110	,119	,129	,139	,149	,159	,168	,178	,187
<b>,2</b>	,197	,207	,216	,226	,236	,245	,254	,264	,273	,282
<b>,3</b>	,291	,300	,310	,319	,327	,336	,345	,354	,363	,371
<b>,4</b>	,380	,389	,397	,405	,414	,422	,430	,438	,446	,454
<b>,5</b>	,462	,470	,478	,485	,493	,500	,508	,515	,523	,530
<b>,6</b>	,537	,544	,551	,558	,565	,572	,578	,585	,592	,598
<b>,7</b>	,604	,611	,617	,623	,629	,635	,641	,647	,653	,658
<b>,8</b>	,664	,670	,675	,680	,686	,691	,696	,701	,706	,711
<b>,9</b>	,716	,721	,726	,731	,735	,740	,744	,749	,753	,757
<b>1,0</b>	,762	,766	,770	,774	,778	,782	,786	,790	,793	,797
<b>1,1</b>	,800	,804	,808	,811	,814	,818	,821	,824	,828	,831
<b>1,2</b>	,834	,837	,840	,843	,846	,848	,851	,854	,858	,859
<b>1,3</b>	,862	,864	,867	,869	,872	,874	,876	,879	,881	,883
<b>1,4</b>	,885	,888	,890	,892	,894	,896	,898	,900	,902	,903
<b>1,5</b>	,905	,907	,909	,910	,912	,914	,915	,917	,919	,920
<b>1,6</b>	,922	,932	,925	,926	,928	,929	,930	,932	,933	,934
<b>1,7</b>	,935	,937	,938	,939	,940	,941	,942	,944	,945	,946
<b>1,8</b>	,947	,948	,949	,950	,951	,952	,953	,954	,954	,955
<b>1,9</b>	,956	,957	,958	,959	,960	,960	,961	,962	,963	,963
<b>2,0</b>	,964	,965	,965	,966	,967	,967	,968	,969	,969	,970
<b>2,1</b>	,970	,971	,972	,972	,973	,973	,974	,974	,975	,975
<b>2,2</b>	,976	,976	,977	,977	,978	,978	,978	,979	,979	,980
<b>2,3</b>	,980	,980	,981	,981	,982	,982	,982	,983	,983	,983
<b>2,4</b>	,984	,984	,984	,985	,985	,985	,986	,986	,986	,986
<b>2,5</b>	,987	,987	,987	,987	,988	,988	,988	,988	,989	,989
<b>2,6</b>	,989	,989	,989	,990	,990	,990	,990	,990	,991	,991
<b>2,7</b>	,991	,991	,991	,992	,992	,992	,992	,992	,992	,992
<b>2,8</b>	,993	,993	,993	,993	,993	,993	,993	,994	,994	,994
<b>2,9</b>	,994	,994	,991	,994	,995	,994	,995	,995	,995	,995

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$$* r = (e^{2z} - 1) / (e^{2z} + 1)$$