

**Bảng phụ lục 1: Bảng phân vị chuẩn – Bảng phân phối Laplace**

- Hàm mật độ của biến ngẫu nhiên X có luật phân phối chuẩn tắc  $N(0,1)$  là:

$$\varphi(x) = \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}}, \quad \forall x \in \mathbb{R}$$

- Hàm phân phối của biến ngẫu nhiên X có luật phân phối chuẩn tắc  $N(0,1)$  là:

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

$\phi(c)$	$c$	$\phi(c)$	$c$	$\phi(c)$	$c$	$\phi(c)$	$c$
0.50	0.000	0.75	0.674	0.950	1.645	0.975	1.960
0.51	0.025	0.76	0.706	0.951	1.655	0.976	1.977
0.52	0.030	0.77	0.739	0.952	1.665	0.977	1.996
0.53	0.075	0.78	0.772	0.953	1.675	0.978	2.014
0.54	0.100	0.79	0.806	0.954	1.685	0.979	2.034
0.55	0.125	0.80	0.842	0.955	1.695	0.980	2.054
0.56	0.151	0.81	0.878	0.956	1.706	0.981	2.075
0.57	0.175	0.82	0.915	0.957	1.717	0.982	2.097
0.58	0.202	0.83	0.954	0.958	1.728	0.983	2.120
0.59	0.228	0.84	0.994	0.959	1.739	0.984	2.144
0.60	0.253	0.85	1.036	0.960	1.751	0.985	2.170
0.61	0.279	0.86	1.080	0.961	1.762	0.986	2.197
0.62	0.305	0.87	1.126	0.962	1.774	0.987	2.226
0.63	0.332	0.88	1.175	0.963	1.787	0.988	2.257
0.64	0.358	0.89	1.227	0.964	1.799	0.989	2.290
0.65	0.385	0.90	1.282	0.965	1.812	0.990	2.326
0.66	0.412	0.905	1.311	0.966	1.825	0.991	2.368
0.67	0.440	0.910	1.341	0.967	1.837	0.992	2.409
0.68	0.468	0.915	1.372	0.968	1.852	0.993	2.457
0.69	0.496	0.920	1.405	0.969	1.866	0.994	2.512
0.70	0.524	0.925	1.440	0.970	1.881	0.995	2.576
0.71	0.553	0.930	1.476	0.971	1.896	0.996	2.652
0.72	0.583	0.935	1.514	0.972	1.911	0.997	2.748
0.73	0.613	0.940	1.555	0.973	1.927	0.998	2.878
0.74	0.643	0.945	1.598	0.974	1.943	0.999	3.090

**Bảng phụ lục 2 – Bảng giá trị phân vị  $\chi^2$  (khi bình phương), với bậc tự do  $k$** 

$k \backslash \alpha$	0.99	0.975	0.95	0.05	0.025	0.01
1	6.5	5.0	3.8	0.0039	0.00098	0.00016
2	9.2	7.4	6.0	0.103	0.051	0.020
3	11.3	9.4	7.8	0.352	0.216	0.115
4	13.3	11.1	9.5	0.711	0.484	0.297
5	15.1	12.8	11.1	1.15	0.831	0.554
6	16.8	14.4	12.6	1.64	1.24	0.872
7	18.5	16.0	14.1	2.17	1.69	1.24
8	20.1	17.5	15.5	2.73	2.18	1.65
9	21.7	19.0	16.9	3.33	1.70	2.09
10	23.2	20.5	18.3	3.94	3.25	2.56
11	24.7	21.9	19.7	4.54	3.82	3.05
12	26.2	23.3	21.0	5.23	4.40	3.57
13	27.7	24.7	22.4	5.99	5.01	4.11
14	29.1	26.1	23.7	6.57	5.63	4.56
15	30.6	27.5	25.0	7.26	6.26	5.23
16	32.0	28.8	26.3	7.96	6.91	5.81
17	33.4	30.2	27.6	8.57	7.56	6.41
18	34.8	31.5	28.9	9.39	8.23	7.01
19	36.2	32.9	30.1	10.1	8.91	7.63
20	37.6	34.2	31.4	10.9	9.59	8.26
21	38.9	35.5	32.7	11.6	10.3	8.90
22	39.3	36.8	33.9	12.3	11.0	9.54
23	41.6	38.1	35.2	13.1	11.7	10.2
24	43.0	39.4	36.4	13.8	12.4	10.9
25	44.3	40.6	37.7	14.6	13.1	11.5
26	45.6	41.9	38.9	15.4	13.8	12.2
27	47.0	43.2	40.1	16.2	14.6	12.9
28	48.3	44.5	41.3	16.9	15.3	13.5
29	49.6	45.7	42.6	17.7	16.0	14.3
30	50.9	47.0	43.8	18.5	16.8	15.0

**Bảng phụ lục 3 – Bảng phân vị Student, ứng với bậc tự do là  $n$** 

$n \backslash \gamma$	0.90	0.95	0.975	0.99	0.995
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	5.842
4	1.553	2.132	2.776	3.767	4.601
5	1.476	2.105	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	1.379	1.860	2.306	2.896	3.335
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	2.954
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	2.765
30	1.310	1.697	2.042	2.457	2.750