

**APPENDIX T.1**  
**DISTRIBUTION OF Z STATISTIC**  
 $p(z \geq z_a) = a$  {e.g.,  $p(z \geq 1.96) = .0250$ }

<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>
0.0	.5000	.4960	.4920	.4880	.4840	.4801	.4761	.4721	.4681	.4641
0.1	.4602	.4562	.4522	.4483	.4443	.4404	.4364	.4325	.4286	.4247
0.2	.4207	.4168	.4129	.4090	.4052	.4013	.3974	.3936	.3897	.3859
0.3	.3821	.3783	.3745	.3707	.3669	.3632	.3594	.3557	.3520	.3483
0.4	.3446	.3409	.3372	.3336	.3300	.3264	.3228	.3192	.3156	.3121
0.5	.3085	.3050	.3015	.2981	.2946	.2912	.2877	.2843	.2810	.2776
0.6	.2743	.2709	.2676	.2643	.2611	.2578	.2546	.2514	.2483	.2451
0.7	.2420	.2389	.2358	.2327	.2296	.2266	.2236	.2206	.2177	.2148
0.8	.2119	.2090	.2061	.2033	.2005	.1977	.1949	.1922	.1894	.1867
0.9	.1841	.1814	.1788	.1762	.1736	.1711	.1685	.1660	.1635	.1611
1.0	.1587	.1562	.1539	.1515	.1492	.1469	.1446	.1423	.1401	.1379
1.1	.1357	.1335	.1314	.1292	.1271	.1251	.1230	.1210	.1190	.1170
1.2	.1151	.1131	.1112	.1093	.1075	.1056	.1038	.1020	.1003	.0985
1.3	.0968	.0951	.0934	.0918	.0901	.0885	.0869	.0853	.0838	.0823
1.4	.0808	.0793	.0778	.0764	.0749	.0735	.0721	.0708	.0694	.0681
1.5	.0668	.0655	.0643	.0630	.0618	.0606	.0594	.0582	.0571	.0559
1.6	.0548	.0537	.0526	.0516	.0505	.0495	.0485	.0475	.0465	.0455
1.7	.0446	.0436	.0427	.0418	.0409	.0401	.0392	.0384	.0375	.0367
1.8	.0359	.0351	.0344	.0336	.0329	.0322	.0314	.0307	.0301	.0294
1.9	.0287	.0281	.0274	.0268	.0262	.0256	.0250	.0244	.0239	.0233
2.0	.0228	.0222	.0217	.0212	.0207	.0202	.0197	.0192	.0188	.0183
2.1	.0179	.0174	.0170	.0166	.0162	.0158	.0154	.0150	.0146	.0143
2.2	.0139	.0136	.0132	.0129	.0125	.0122	.0119	.0116	.0113	.0110
2.3	.0107	.0104	.0102	.0099	.0096	.0094	.0091	.0089	.0087	.0084
2.4	.0082	.0080	.0078	.0075	.0073	.0071	.0069	.0068	.0066	.0064
2.5	.0062	.0060	.0059	.0057	.0055	.0054	.0052	.0051	.0049	.0048
2.6	.0047	.0045	.0044	.0043	.0041	.0040	.0039	.0038	.0037	.0036
2.7	.0035	.0034	.0033	.0032	.0031	.0030	.0029	.0028	.0027	.0026
2.8	.0026	.0025	.0024	.0023	.0023	.0022	.0021	.0021	.0020	.0019
2.9	.0019	.0018	.0018	.0017	.0016	.0016	.0015	.0015	.0014	.0014
3.0	.0013	.0013	.0013	.0012	.0012	.0011	.0011	.0011	.0010	.0010

## APPENDIX T.2

### DISTRIBUTION OF T STATISTIC

$p(t \geq t_a) = a$  {e.g.,  $df = 12, p(t \geq 1.782) = .050$ }

Area (a)

df	<u>.100</u>	<u>.050</u>	<u>.025</u>	<u>.010</u>	<u>.005</u>	<u>.001</u>
1	3.078	6.314	12.706	31.821	63.657	318.310
2	1.886	2.920	4.303	6.965	9.925	22.326
3	1.638	2.353	3.182	4.541	5.841	10.213
4	1.533	2.132	2.776	3.747	4.604	7.173
5	1.476	2.015	2.571	3.365	4.032	5.893
6	1.440	1.943	2.447	3.143	3.707	5.208
7	1.415	1.895	2.365	2.998	3.499	4.785
8	1.397	1.860	2.306	2.896	3.355	4.501
9	1.383	1.833	2.262	2.821	3.250	4.297
10	1.372	1.812	2.228	2.764	3.169	4.144
11	1.363	1.796	2.201	2.718	3.106	4.025
12	1.356	1.782	2.179	2.681	3.055	3.930
13	1.350	1.771	2.160	2.650	3.012	3.852
14	1.345	1.761	2.145	2.624	2.977	3.787
15	1.341	1.753	2.131	2.602	2.947	3.733
16	1.337	1.746	2.120	2.583	2.921	3.686
17	1.333	1.740	2.110	2.567	2.898	3.646
18	1.330	1.734	2.101	2.552	2.878	3.610
19	1.328	1.729	2.093	2.539	2.861	3.579
20	1.325	1.725	2.086	2.528	2.845	3.552
21	1.323	1.721	2.080	2.518	2.831	3.527
22	1.321	1.717	2.074	2.508	2.819	3.505
23	1.319	1.714	2.069	2.500	2.807	3.485
24	1.318	1.711	2.064	2.492	2.797	3.467
25	1.316	1.708	2.060	2.485	2.787	3.450
26	1.315	1.706	2.056	2.479	2.779	3.435
27	1.314	1.703	2.052	2.473	2.771	3.421
28	1.313	1.701	2.048	2.467	2.763	3.408
29	1.311	1.699	2.045	2.462	2.756	3.396
30	1.310	1.697	2.042	2.457	2.750	3.385
40	1.303	1.684	2.021	2.423	2.704	3.307
60	1.296	1.671	2.000	2.390	2.660	3.232
80	1.292	1.664	1.990	2.374	2.639	3.195
100	1.290	1.660	1.984	2.364	2.626	3.174
120	1.289	1.658	1.980	2.358	2.617	3.160
INF	1.282	1.645	1.960	2.326	2.576	3.090

## APPENDIX T.3

### DISTRIBUTION OF F STATISTIC

$p (F \geq F_a) = a$  {e.g.,  $df = 3, 5; p (F \geq 5.41) = .05$ }

$df_{Den}$	$a$	$df_{Num}$	1	2	3	4	5	6	8	12
2	.20		3.56	4.00	4.16	4.24	4.28	4.32	4.36	4.40
	.10		8.53	9.00	9.16	9.24	9.29	9.33	9.37	9.41
	.05		18.51	19.00	19.16	19.25	19.30	19.33	19.37	19.41
	.01		98.50	99.00	99.17	99.25	99.30	99.33	99.36	99.42
3	.20		2.68	2.89	2.94	2.96	2.97	2.97	2.98	2.98
	.10		5.54	5.46	5.39	5.34	5.31	5.28	5.25	5.22
	.05		10.13	9.55	9.28	9.12	9.01	8.94	8.84	8.74
	.01		34.12	30.82	29.46	28.71	28.24	27.91	27.49	27.05
4	.20		2.35	2.47	2.48	2.48	2.48	2.47	2.47	2.46
	.10		4.54	4.32	4.19	4.11	4.05	4.01	3.95	3.90
	.05		7.71	6.94	6.59	6.39	6.26	6.16	6.04	5.91
	.01		21.20	18.00	16.69	15.98	15.52	15.21	14.80	14.37
5	.20		2.18	2.26	2.25	2.24	2.23	2.22	2.20	2.18
	.10		4.06	3.78	3.62	3.52	3.45	3.40	3.34	3.27
	.05		6.61	5.79	5.41	5.19	5.05	4.95	4.82	4.68
	.01		16.26	13.27	12.06	11.39	10.97	10.67	10.29	9.89
6	.20		2.07	2.13	2.11	2.09	2.08	2.06	2.04	2.02
	.10		3.78	3.46	3.29	3.18	3.11	3.05	2.98	2.90
	.05		5.99	5.14	4.76	4.53	4.39	4.28	4.15	4.00
	.01		13.75	10.92	9.78	9.15	8.75	8.47	8.10	7.72
7	.20		2.00	2.04	2.02	1.99	1.97	1.96	1.93	1.91
	.10		3.59	3.26	3.07	2.96	2.88	2.83	2.75	2.67
	.05		5.59	4.74	4.35	4.12	3.97	3.87	3.73	3.57
	.01		12.25	9.55	8.45	7.85	7.46	7.19	6.84	6.47
8	.20		1.95	1.98	1.95	1.92	1.90	1.88	1.86	1.83
	.10		3.46	3.11	2.92	2.81	2.73	2.67	2.59	2.50
	.05		5.32	4.46	4.07	3.84	3.69	3.58	3.44	3.28
	.01		11.26	8.65	7.59	7.01	6.63	6.37	6.03	5.67
9	.20		1.91	1.94	1.90	1.87	1.85	1.83	1.80	1.76
	.10		3.36	3.01	2.81	2.69	2.61	2.55	2.47	2.38
	.05		5.12	4.26	3.86	3.63	3.48	3.37	3.23	3.07
	.01		10.56	8.02	6.99	6.42	6.06	5.80	5.47	5.11
10	.20		1.88	1.90	1.86	1.83	1.80	1.78	1.75	1.72
	.10		3.28	2.92	2.73	2.61	2.52	2.46	2.38	2.28
	.05		4.96	4.10	3.71	3.48	3.33	3.22	3.07	2.91
	.01		10.04	7.56	6.55	5.99	5.64	5.39	5.06	4.71
11	.20		1.86	1.87	1.83	1.80	1.77	1.75	1.72	1.68
	.10		3.23	2.86	2.66	2.54	2.45	2.39	2.30	2.21
	.05		4.84	3.98	3.59	3.36	3.20	3.09	2.95	2.79
	.01		9.65	7.21	6.22	5.67	5.32	5.07	4.74	4.40
12	.20		1.84	1.85	1.80	1.77	1.74	1.72	1.69	1.65
	.10		3.18	2.81	2.61	2.48	2.39	2.33	2.24	2.15
	.05		4.75	3.89	3.49	3.26	3.11	3.00	2.85	2.69
	.01		9.33	6.93	5.95	5.41	5.06	4.82	4.50	4.16

Appendix T.3 (continued)

$df_{Den}$	$a$	$df_{Num}$	1	2	3	4	5	6	8	12
13	.20		1.82	1.83	1.78	1.75	1.72	1.69	1.66	1.62
	.10		3.14	2.76	2.56	2.43	2.35	2.28	2.20	2.10
	.05		4.67	3.81	3.41	3.18	3.03	2.92	2.77	2.60
	.01		9.07	6.70	5.74	5.21	4.86	4.62	4.30	3.96
14	.20		1.81	1.81	1.76	1.73	1.70	1.67	1.64	1.60
	.10		3.10	2.73	2.52	2.39	2.31	2.24	2.15	2.05
	.05		4.60	3.74	3.34	3.11	2.96	2.85	2.70	2.53
	.01		8.86	6.51	5.56	5.04	4.69	4.46	4.14	3.80
15	.20		1.80	1.79	1.75	1.71	1.68	1.66	1.62	1.58
	.10		3.07	2.70	2.49	2.36	2.27	2.21	2.12	2.02
	.05		4.54	3.68	3.29	3.06	2.90	2.79	2.64	2.48
	.01		8.68	6.36	5.42	4.89	4.56	4.32	4.00	3.67
16	.20		1.79	1.78	1.74	1.70	1.67	1.64	1.61	1.56
	.10		3.05	2.67	2.46	2.33	2.24	2.18	2.09	1.99
	.05		4.49	3.63	3.24	3.01	2.85	2.74	2.59	2.42
	.01		8.53	6.23	5.29	4.77	4.44	4.20	3.89	3.55
17	.20		1.78	1.77	1.72	1.68	1.65	1.63	1.59	1.55
	.10		3.03	2.64	2.44	2.31	2.22	2.15	2.06	1.96
	.05		4.45	3.59	3.20	2.96	2.81	2.70	2.55	2.38
	.01		8.40	6.11	5.18	4.67	4.34	4.10	3.79	3.46
18	.20		1.77	1.76	1.71	1.67	1.64	1.62	1.58	1.53
	.10		3.01	2.62	2.42	2.29	2.20	2.13	2.04	1.93
	.05		4.41	3.55	3.16	2.93	2.77	2.66	2.51	2.34
	.01		8.29	6.01	5.09	4.58	4.25	4.01	3.71	3.37
19	.20		1.76	1.75	1.70	1.66	1.63	1.61	1.57	1.52
	.10		2.99	2.61	2.40	2.27	2.18	2.11	2.02	1.91
	.05		4.38	3.52	3.13	2.90	2.74	2.63	2.48	2.31
	.01		8.18	5.93	5.01	4.50	4.17	3.94	3.63	3.30
20	.20		1.76	1.75	1.70	1.65	1.62	1.60	1.56	1.51
	.10		2.97	2.59	2.38	2.25	2.16	2.09	2.00	1.89
	.05		4.35	3.49	3.10	2.87	2.71	2.60	2.45	2.28
	.01		8.10	5.85	4.94	4.43	4.10	3.87	3.56	3.23
21	.20		1.75	1.74	1.69	1.65	1.61	1.59	1.55	1.50
	.10		2.96	2.57	2.36	2.23	2.14	2.08	1.98	1.88
	.05		4.32	3.47	3.07	2.84	2.68	2.57	2.42	2.25
	.01		8.02	5.78	4.87	4.37	4.04	3.81	3.51	3.17
22	.20		1.75	1.73	1.68	1.64	1.61	1.58	1.54	1.49
	.10		2.95	2.56	2.35	2.22	2.13	2.06	1.97	1.86
	.05		4.30	3.44	3.05	2.82	2.66	2.55	2.40	2.23
	.01		7.95	5.72	4.82	4.31	3.99	3.76	3.45	3.12
23	.20		1.74	1.73	1.68	1.63	1.60	1.57	1.53	1.49
	.10		2.94	2.55	2.34	2.31	2.11	2.05	1.95	1.84
	.05		4.28	3.42	3.03	2.80	2.64	2.53	2.38	2.20
	.01		7.88	5.66	4.76	4.26	3.94	3.71	3.41	3.07

Appendix T.3 (continued)

$df_{Den}$	$a$	$df_{Num}$	1	2	3	4	5	6	8	12
24	.20		1.74	1.72	1.67	1.63	1.59	1.57	1.53	1.48
	.10		2.93	2.54	2.33	2.19	2.10	2.04	1.94	1.83
	.05		4.26	3.40	3.01	2.78	2.62	2.51	2.36	2.18
	.01		7.82	5.61	4.72	4.22	3.90	3.67	3.36	3.03
25	.20		1.73	1.72	1.66	1.62	1.59	1.56	1.52	1.47
	.10		2.92	2.53	2.32	2.18	2.09	2.02	1.93	1.82
	.05		4.24	3.39	2.99	2.76	2.60	2.49	2.34	2.16
	.01		7.77	5.57	4.68	4.18	3.85	3.63	3.32	2.99
26	.20		1.73	1.71	1.66	1.62	1.58	1.56	1.52	1.47
	.10		2.91	2.52	2.31	2.17	2.08	2.01	1.92	1.81
	.05		4.23	3.37	2.98	2.74	2.59	2.47	2.32	2.15
	.01		7.72	5.53	4.64	4.14	3.82	3.59	3.29	2.96
27	.20		1.73	1.71	1.66	1.61	1.58	1.55	1.51	1.46
	.10		2.90	2.51	2.30	2.17	2.07	2.00	1.91	1.80
	.05		4.21	3.35	2.96	2.73	2.57	2.46	2.30	2.13
	.01		7.68	5.49	4.60	4.11	3.78	3.56	3.26	2.93
28	.20		1.72	1.71	1.65	1.61	1.57	1.55	1.51	1.46
	.10		2.89	2.50	2.29	2.16	2.06	2.00	1.90	1.79
	.05		4.20	3.34	2.95	2.71	2.56	2.45	2.29	2.12
	.01		7.64	5.45	4.57	4.07	3.75	3.53	3.23	2.90
29	.20		1.72	1.70	1.65	1.60	1.57	1.54	1.50	1.45
	.10		2.89	2.50	2.28	2.15	2.06	1.99	1.89	1.78
	.05		4.18	3.33	2.93	2.70	2.55	2.43	2.28	2.10
	.01		7.60	5.42	4.54	4.04	3.73	3.50	3.20	2.87
30	.20		1.72	1.70	1.64	1.60	1.57	1.54	1.50	1.45
	.10		2.88	2.49	2.28	2.14	2.05	1.98	1.88	1.77
	.05		4.17	3.32	2.92	2.69	2.53	2.42	2.27	2.09
	.01		7.56	5.39	4.51	4.02	3.70	3.47	3.17	2.84
40	.20		1.70	1.68	1.62	1.57	1.54	1.51	1.47	1.41
	.10		2.84	2.44	2.23	2.09	2.00	1.93	1.83	1.71
	.05		4.08	3.23	2.84	2.61	2.45	2.34	2.18	2.00
	.01		7.31	5.18	4.31	3.83	3.51	3.29	2.99	2.66
60	.20		1.68	1.65	1.59	1.55	1.51	1.48	1.44	1.38
	.10		2.79	2.39	2.18	2.04	1.95	1.87	1.77	1.66
	.05		4.00	3.14	2.76	2.53	2.37	2.25	2.10	1.92
	.01		7.08	4.98	4.13	3.65	3.34	3.12	2.82	2.50
120	.20		1.66	1.63	1.57	1.52	1.48	1.45	1.41	1.35
	.10		2.75	2.35	2.13	1.99	1.90	1.82	1.72	1.60
	.05		3.92	3.06	2.68	2.45	2.29	2.17	2.02	1.83
	.01		6.85	4.79	3.95	3.48	3.17	2.96	2.66	2.34
INF	.20		1.64	1.61	1.55	1.50	1.46	1.43	1.38	1.32
	.10		2.71	2.30	2.08	1.94	1.85	1.77	1.67	1.55
	.05		3.84	3.00	2.60	2.37	2.21	2.10	1.94	1.75
	.01		6.63	4.61	3.78	3.32	3.02	2.80	2.51	2.18

## APPENDIX T.4

### DISTRIBUTION OF THE STUDENTIZED RANGE STATISTIC

$$P(q \leq -q_a \text{ OR } q \geq +q_a) = \alpha$$

Stretch

df	$\alpha$	2	3	4	5	6	7	8	9	10
4	.05	3.93	5.04	5.76	6.29	6.71	7.05	7.35	7.60	7.83
	<b>.01</b>	<b>6.51</b>	<b>8.12</b>	<b>9.17</b>	<b>9.96</b>	<b>10.58</b>	<b>11.10</b>	<b>11.50</b>	<b>11.90</b>	<b>12.30</b>
5	.05	3.64	4.60	5.22	5.67	6.03	6.33	6.58	6.80	6.99
	<b>.01</b>	<b>5.70</b>	<b>6.98</b>	<b>7.80</b>	<b>8.42</b>	<b>8.91</b>	<b>9.32</b>	<b>9.67</b>	<b>9.97</b>	<b>10.24</b>
6	.05	3.46	4.34	4.90	5.30	5.63	5.90	6.12	6.32	6.49
	<b>.01</b>	<b>5.24</b>	<b>6.33</b>	<b>7.03</b>	<b>7.56</b>	<b>7.97</b>	<b>8.32</b>	<b>8.61</b>	<b>8.87</b>	<b>9.10</b>
7	.05	3.34	4.16	4.68	5.06	5.36	5.61	5.82	6.00	6.16
	<b>.01</b>	<b>4.95</b>	<b>5.92</b>	<b>6.54</b>	<b>7.01</b>	<b>7.37</b>	<b>7.68</b>	<b>7.94</b>	<b>8.17</b>	<b>8.37</b>
8	.05	3.26	4.04	4.53	4.89	5.17	5.40	5.60	5.77	5.92
	<b>.01</b>	<b>4.75</b>	<b>5.64</b>	<b>6.20</b>	<b>6.62</b>	<b>6.96</b>	<b>7.24</b>	<b>7.47</b>	<b>7.68</b>	<b>7.86</b>
9	.05	3.20	3.95	4.41	4.76	5.02	5.24	5.43	5.59	5.74
	<b>.01</b>	<b>4.60</b>	<b>5.43</b>	<b>5.96</b>	<b>6.35</b>	<b>6.66</b>	<b>6.91</b>	<b>7.13</b>	<b>7.33</b>	<b>7.49</b>
10	.05	3.15	3.88	4.33	4.65	4.91	5.12	5.30	5.46	5.60
	<b>.01</b>	<b>4.48</b>	<b>5.27</b>	<b>5.77</b>	<b>6.14</b>	<b>6.43</b>	<b>6.67</b>	<b>6.87</b>	<b>7.05</b>	<b>7.21</b>
11	.05	3.11	3.82	4.26	4.57	4.82	5.03	5.20	5.35	5.49
	<b>.01</b>	<b>4.39</b>	<b>5.15</b>	<b>5.62</b>	<b>5.97</b>	<b>6.25</b>	<b>6.48</b>	<b>6.67</b>	<b>6.84</b>	<b>6.99</b>
12	.05	3.08	3.77	4.20	4.51	4.75	4.95	5.12	5.27	5.39
	<b>.01</b>	<b>4.32</b>	<b>5.05</b>	<b>5.50</b>	<b>5.84</b>	<b>6.10</b>	<b>6.32</b>	<b>6.51</b>	<b>6.67</b>	<b>6.81</b>
13	.05	3.06	3.73	4.15	4.45	4.69	4.88	5.05	5.19	5.32
	<b>.01</b>	<b>4.26</b>	<b>4.96</b>	<b>5.40</b>	<b>5.73</b>	<b>5.98</b>	<b>6.19</b>	<b>6.37</b>	<b>6.53</b>	<b>6.67</b>
14	.05	3.03	3.70	4.11	4.41	4.64	4.83	4.99	5.13	5.25
	<b>.01</b>	<b>4.21</b>	<b>4.89</b>	<b>5.32</b>	<b>5.63</b>	<b>5.88</b>	<b>6.08</b>	<b>6.26</b>	<b>6.41</b>	<b>6.54</b>
15	.05	3.01	3.67	4.08	4.37	4.60	4.78	4.94	5.08	5.20
	<b>.01</b>	<b>4.17</b>	<b>4.84</b>	<b>5.25</b>	<b>5.56</b>	<b>5.80</b>	<b>5.99</b>	<b>6.16</b>	<b>6.31</b>	<b>6.44</b>
16	.05	3.00	3.65	4.05	4.33	4.56	4.74	4.90	5.03	5.15
	<b>.01</b>	<b>4.13</b>	<b>4.79</b>	<b>5.19</b>	<b>5.49</b>	<b>5.72</b>	<b>5.92</b>	<b>6.08</b>	<b>6.22</b>	<b>6.35</b>
17	.05	2.98	3.63	4.02	4.30	4.52	4.70	4.86	4.99	5.11
	<b>.01</b>	<b>4.10</b>	<b>4.74</b>	<b>5.14</b>	<b>5.43</b>	<b>5.66</b>	<b>5.85</b>	<b>6.01</b>	<b>6.15</b>	<b>6.27</b>
18	.05	2.97	3.61	4.00	4.28	4.49	4.67	4.82	4.96	5.07
	<b>.01</b>	<b>4.07</b>	<b>4.70</b>	<b>5.09</b>	<b>5.38</b>	<b>5.60</b>	<b>5.79</b>	<b>5.94</b>	<b>6.08</b>	<b>6.20</b>
19	.05	2.96	3.59	3.98	4.25	4.47	4.65	4.79	4.92	5.04
	<b>.01</b>	<b>4.05</b>	<b>4.67</b>	<b>5.05</b>	<b>5.33</b>	<b>5.55</b>	<b>5.73</b>	<b>5.89</b>	<b>6.02</b>	<b>6.14</b>
20	.05	2.95	3.58	3.96	4.23	4.45	4.62	4.77	4.90	5.01
	<b>.01</b>	<b>4.02</b>	<b>4.64</b>	<b>5.02</b>	<b>5.29</b>	<b>5.51</b>	<b>5.69</b>	<b>5.84</b>	<b>5.97</b>	<b>6.09</b>
24	.05	2.92	3.53	3.90	4.17	4.37	4.54	4.68	4.81	4.92
	<b>.01</b>	<b>3.96</b>	<b>4.55</b>	<b>4.91</b>	<b>5.17</b>	<b>5.37</b>	<b>5.54</b>	<b>5.69</b>	<b>5.81</b>	<b>5.92</b>
30	.05	2.89	3.49	3.85	4.10	4.30	4.46	4.60	4.72	4.82
	<b>.01</b>	<b>3.89</b>	<b>4.45</b>	<b>4.80</b>	<b>5.05</b>	<b>5.24</b>	<b>5.40</b>	<b>5.54</b>	<b>5.65</b>	<b>5.76</b>
40	.05	2.86	3.44	3.79	4.04	4.23	4.39	4.52	4.63	4.73
	<b>.01</b>	<b>3.82</b>	<b>4.37</b>	<b>4.70</b>	<b>4.93</b>	<b>5.11</b>	<b>5.26</b>	<b>5.39</b>	<b>5.50</b>	<b>5.60</b>
60	.05	2.83	3.40	3.74	3.98	4.16	4.31	4.44	4.55	4.65
	<b>.01</b>	<b>3.76</b>	<b>4.28</b>	<b>4.59</b>	<b>4.82</b>	<b>4.99</b>	<b>5.13</b>	<b>5.25</b>	<b>5.36</b>	<b>5.45</b>
120	.05	2.80	3.36	3.68	3.92	4.10	4.24	4.36	4.47	4.56
	<b>.01</b>	<b>3.70</b>	<b>4.20</b>	<b>4.50</b>	<b>4.71</b>	<b>4.87</b>	<b>5.01</b>	<b>5.12</b>	<b>5.21</b>	<b>5.30</b>
INF	.05	2.77	3.31	3.63	3.86	4.03	4.17	4.29	4.39	4.47
	<b>.01</b>	<b>3.64</b>	<b>4.12</b>	<b>4.40</b>	<b>4.60</b>	<b>4.76</b>	<b>4.88</b>	<b>4.99</b>	<b>5.08</b>	<b>5.16</b>

**APPENDIX T.5**  
**COEFFICIENTS FOR ORTHOGONAL POLYNOMIALS**

<b>k</b>	<b><u>Polynomial</u></b>	<b>Group (j)</b>						<b><u><math>\Sigma c^2</math></u></b>
		<b><u>1</u></b>	<b><u>2</u></b>	<b><u>3</u></b>	<b><u>4</u></b>	<b><u>5</u></b>	<b><u>6</u></b>	
3	Linear	-1	0	1				2
	Quadratic	1	-2	1				6
4	Linear	-3	-1	1	3			20
	Quadratic	1	-1	-1	1			4
	Cubic	-1	3	-3	1			20
5	Linear	-2	-1	0	1	2		10
	Quadratic	2	-1	-2	-1	2		14
	Cubic	-1	2	0	-2	1		10
	Quartic	1	-4	6	-4	1		70
6	Linear	-5	-3	-1	1	3	5	70
	Quadratic	5	-1	-4	-4	-1	5	84
	Cubic	-5	7	4	-4	-7	5	180
	Quartic	1	-3	2	2	-3	1	28