**Section 742. APPENDIX A General**

**Section 742. Appendix A General**

**Section 742.Table C Coefficient {AN-I+1} for W Test of Normality, for N=2(1)50**

**Section 742.TABLE C Coefficient {AN-I+1} for W Test of Normality, for N=2(1)50**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| i/n | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 0.7071 | 0.7071 | 0.6872 | 0.6646 | 0.6431 | 0.6233 | 0.6052 | 0.5888 | 0.5739 |
| 2 | --- | .0000 | .1677 | .2413 | .2806 | .3031 | .3164 | .3244 | .3291 |
| 3 | --- | --- | --- | .0000 | .0875 | .1401 | .1743 | .1976 | .2141 |
| 4 | --- | --- | --- | --- | --- | .0000 | .0561 | .0947 | .1224 |
| 5 | --- | --- | --- | --- | --- | --- | --- | .0000 | .0399 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| i/n | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | 0.5601 | 0.5475 | 0.5359 | 0.5251 | 0.5150 | 0.5056 | 0.4968 | 0.4886 | 0.4808 | 0.4734 |
| 2 | .3315 | .3325 | .3325 | .3318 | .3306 | .3290 | .3273 | .3253 | .3232 | .3211 |
| 3 | .2260 | .2347 | .2412 | .2460 | .2495 | .2521 | .2540 | .2553 | .2561 | .2565 |
| 4 | .1429 | .1586 | .1707 | .1802 | .1878 | .1939 | .1988 | .2027 | .2059 | .2085 |
| 5 | .0695 | .0922 | .1099 | .1240 | .1353 | .1447 | .1524 | .1587 | .1641 | .1686 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | 0.0000 | 0.0303 | 0.0539 | 0.0727 | 0.0880 | 0.1005 | 0.1109 | 0.1197 | 0.1271 | 0.1334 |
| 7 | --- | --- | .0000 | .0240 | .0433 | .0593 | .0725 | .0837 | .0932 | .1013 |
| 8 | --- | --- | --- | --- | .0000 | .0196 | .0359 | .0496 | .0612 | .0711 |
| 9 | --- | --- | --- | --- | --- | --- | .0000 | .0163 | .0303 | .0422 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | .0000 | .0140 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| i/n | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 1 | 0.4643 | 0.4590 | 0.4542 | 0.4493 | 0.4450 | 0.4407 | 0.4366 | 0.4328 | 0.4291 | 0.4254 |
| 2 | .3185 | .3156 | .3126 | .3098 | .3069 | .3043 | .3018 | .2992 | .2968 | .2944 |
| 3 | .2578 | .2571 | .2563 | .2554 | .2543 | .2533 | .2522 | .2510 | .2499 | .2487 |
| 4 | .2119 | .2131 | .2139 | .2145 | .2148 | .2151 | .2152 | .2151 | .2150 | .2148 |
| 5 | .1736 | .1764 | .1787 | .1807 | .1822 | .1836 | .1848 | .1857 | .1864 | .1870 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | 0.1399 | 0.1443 | 0.1480 | 0.1512 | 0.1539 | 0.1563 | 0.1584 | 0.1601 | 0.1616 | 0.1630 |
| 7 | .1092 | .1150 | .1201 | .1245 | .1283 | .1316 | .1346 | .1372 | .1395 | .1415 |
| 8 | .0804 | .0878 | .0941 | .0997 | .1046 | .1089 | .1128 | .1162 | .1192 | .1219 |
| 9 | .0530 | .0618 | .0696 | .0764 | .0823 | .0876 | .0923 | .0965 | .1002 | .1036 |
| 10 | .0263 | .0368 | .0459 | .0539 | .0610 | .0672 | .0728 | .0778 | .0822 | .0862 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | 0.0000 | 0.0122 | 0.0228 | 0.0321 | 0.0403 | 0.0476 | 0.0540 | 0.0598 | 0.0650 | 0.0697 |
| 12 | --- | --- | .0000 | .0107 | .0200 | .0284 | .0358 | .0424 | .0483 | .0537 |
| 13 | --- | --- | --- | --- | .0000 | .0094 | .0178 | .0253 | .0320 | .0381 |
| 14 | --- | --- | --- | --- | --- | --- | .0000 | .0084 | .0159 | .0227 |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | .0000 | .0076 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| i/n | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 1 | 0.4220 | 0.4188 | 0.4156 | 0.4127 | 0.4096 | 0.4068 | 0.4040 | 0.4015 | 0.3989 | 0.3964 |
| 2 | .2921 | .2898 | .2876 | .2854 | .2834 | .2813 | .2794 | .2774 | .2755 | .2737 |
| 3 | .2475 | .2463 | .2451 | .2439 | .2427 | .2415 | .2403 | .2391 | .2380 | .2368 |
| 4 | .2145 | .2141 | .2137 | .2132 | .2127 | .2121 | .2116 | .2110 | .2104 | .2098 |
| 5 | .1874 | .1878 | .1880 | .1882 | .1883 | .1883 | .1883 | .1881 | .1880 | .1878 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| i/n | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 6 | 0.1641 | 0.1651 | 0.1660 | 0.1667 | 0.1673 | 0.1678 | 0.1683 | 0.1686 | 0.1689 | 0.1691 |
| 7 | .1433 | .1449 | .1463 | .1475 | .1487 | .1496 | .1503 | .1513 | .1520 | .1526 |
| 8 | .1243 | .1265 | .1284 | .1301 | .1317 | .1331 | .1344 | .1356 | .1366 | .1376 |
| 9 | .1066 | .1093 | .1118 | .1140 | .1160 | .1179 | .1196 | .1211 | .1225 | .1237 |
| 10 | .0899 | .0931 | .0961 | .0988 | .1013 | .1036 | .1056 | .1075 | .1092 | .1108 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | 0.0739 | 0.0777 | 0.0812 | 0.0844 | 0.0873 | 0.0900 | 0.0924 | 0.0947 | 0.0967 | 0.0986 |
| 12 | .0585 | .0629 | .0669 | .0706 | .0739 | .0770 | .0798 | .0824 | .0848 | .0870 |
| 13 | .0435 | .0485 | .0530 | .0572 | .0610 | .0645 | .0677 | .0706 | .0733 | .0759 |
| 14 | .0289 | .0344 | .0395 | .0441 | .0484 | .0523 | .0559 | .0592 | .0622 | .0651 |
| 15 | .0144 | .0206 | .0262 | .0314 | .0361 | .0404 | .0444 | .0481 | .0515 | .0546 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | 0.0000 | 0.0068 | 0.0131 | 0.0187 | 0.0239 | 0.0287 | 0.0331 | 0.0372 | 0.0409 | 0.0444 |
| 17 | --- | --- | .0000 | .0062 | .0119 | .0172 | .0220 | .0264 | .0305 | .0343 |
| 18 | --- | --- | --- | --- | .0000 | .0057 | .0110 | .0158 | .0203 | .0244 |
| 19 | --- | --- | --- | --- | --- | --- | .0000 | .0053 | .0101 | .0146 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | .0000 | .0049 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| i/n | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 1 | 0.3940 | 0.3917 | 0.3894 | 0.3872 | 0.3850 | 0.3830 | 0.3808 | 0.3789 | 0.3770 | 0.3751 |
| 2 | .2719 | .2701 | .2684 | .2667 | .2651 | .2635 | .2620 | .2604 | .2589 | .2574 |
| 3 | .2357 | .2345 | .2334 | .2323 | .2313 | .2302 | .2291 | .2281 | .2271 | .2260 |
| 4 | .2091 | .2085 | .2078 | .2072 | .2065 | .2058 | .2052 | .2045 | .2038 | .2032 |
| 5 | .1876 | .1874 | .1871 | .1868 | .1865 | .1862 | .1859 | .1855 | .1851 | .1847 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| i/n | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 6 | 0.1693 | 0.1694 | 0.1695 | 0.1695 | 0.1695 | 0.1695 | 0.1695 | 0.1693 | 0.1692 | 0.1691 |
| 7 | .1531 | .1535 | .1539 | .1542 | .1545 | .1548 | .1550 | .1551 | .1553 | .1554 |
| 8 | .1384 | .1392 | .1398 | .1405 | .1410 | .1415 | .1420 | .1423` | .1427 | .1430 |
| 9 | .1249 | .1259 | .1269 | .1278 | .1286 | .1293 | .1300 | .1306 | .1312 | .1317 |
| 10 | .1123 | .1136 | .1149 | .1160 | .1170 | .1180 | .1189 | .1197 | .1205 | .1212 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | 0.1004 | 0.1020 | 0.1035 | 0.1049 | 0.1062 | 0.1073 | 0.1085 | 0.1095 | 0.1105 | 0.1113 |
| 12 | .0891 | .0909 | .0927 | .0943 | .0959 | .0972 | .0986 | .0998 | .1010 | .1020 |
| 13 | .0782 | .0804 | .0824 | .0842 | .0860 | .0876 | .0892 | .0906 | .0919 | .0932 |
| 14 | .0677 | .0701 | .0724 | .0745 | .0775 | .0785 | .0801 | .0817 | .0832 | .0846 |
| 15 | .0575 | .0602 | .0628 | .0651 | .0673 | .0694 | .0713 | .0731 | .0748 | .0764 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | 0.0476 | 0.0506 | 0.0534 | 0.0560 | 0.0584 | 0.0607 | 0.0628 | 0.0648 | 0.0667 | 0.0685 |
| 17 | .0379 | .0411 | .0442 | .0471 | .0497 | .0522 | .0546 | .0568 | .0588 | .0608 |
| 18 | .0283 | .0318 | .0352 | .0383 | .0412 | .0439 | .0465 | .0489 | .0511 | .0532 |
| 19 | .0188 | .0227 | .0263 | .0296 | .0328 | .0357 | .0385 | .0411 | .0436 | .0459 |
| 20 | .0094 | .0136 | .0175 | .0211 | .0245 | .0277 | .0307 | .0335 | .0361 | .0386 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | 0.0000 | 0.0045 | 0.0087 | 0.0126 | 0.0163 | 0.0197 | 0.0229 | 0.0259 | 0.0288 | 0.0314 |
| 22 | --- | --- | .0000 | .0042 | .0081 | .0118 | .0153 | .0185 | .0215 | .0244 |
| 23 | --- | --- | --- | --- | .0000 | .0039 | .0076 | .0111 | .0143 | .0174 |
| 24 | --- | --- | --- | --- | --- | --- | .0000 | .0037 | .0071 | .0104 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | .0000 | .0035 |

(Source: Amended at 21 Ill. Reg. 7942, effective July 1, 1997)