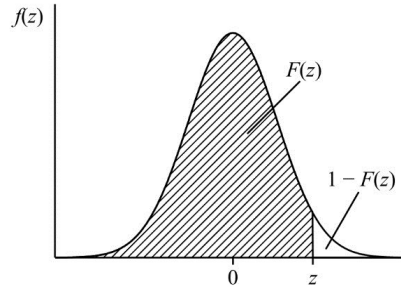


Függelék

I. táblázat.

Az $N(0,1)$ normális eloszlás
 $F(z)$ eloszlásfüggvénye



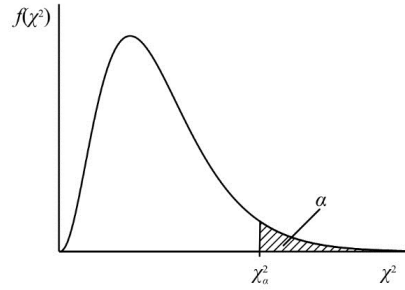
| z | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0 | 0.50000 | 0.50399 | 0.50798 | 0.51197 | 0.51595 | 0.51994 | 0.52392 | 0.52790 | 0.53188 | 0.53586 |
| 0.1 | 0.53983 | 0.54380 | 0.54776 | 0.55172 | 0.55567 | 0.55962 | 0.56356 | 0.56749 | 0.57142 | 0.57535 |
| 0.2 | 0.57926 | 0.58317 | 0.58706 | 0.59095 | 0.59483 | 0.59871 | 0.60257 | 0.60642 | 0.61026 | 0.61409 |
| 0.3 | 0.61791 | 0.62172 | 0.62552 | 0.62930 | 0.63307 | 0.63683 | 0.64058 | 0.64431 | 0.64803 | 0.65173 |
| 0.4 | 0.65542 | 0.65910 | 0.66276 | 0.66640 | 0.67003 | 0.67364 | 0.67724 | 0.68082 | 0.68439 | 0.68793 |
| 0.5 | 0.69146 | 0.69497 | 0.69847 | 0.70194 | 0.70540 | 0.70884 | 0.71226 | 0.71566 | 0.71904 | 0.72240 |
| 0.6 | 0.72575 | 0.72907 | 0.73237 | 0.73565 | 0.73891 | 0.74215 | 0.74537 | 0.74857 | 0.75175 | 0.75490 |
| 0.7 | 0.75804 | 0.76115 | 0.76424 | 0.76730 | 0.77035 | 0.77337 | 0.77637 | 0.77935 | 0.78230 | 0.78524 |
| 0.8 | 0.78814 | 0.79103 | 0.79389 | 0.79673 | 0.79955 | 0.80234 | 0.80511 | 0.80785 | 0.81057 | 0.81327 |
| 0.9 | 0.81594 | 0.81859 | 0.82121 | 0.82381 | 0.82639 | 0.82894 | 0.83147 | 0.83398 | 0.83646 | 0.83891 |
| 1.0 | 0.84134 | 0.84375 | 0.84614 | 0.84849 | 0.85083 | 0.85314 | 0.85543 | 0.85769 | 0.85993 | 0.86214 |
| 1.1 | 0.86433 | 0.86650 | 0.86864 | 0.87076 | 0.87286 | 0.87493 | 0.87698 | 0.87900 | 0.88100 | 0.88298 |
| 1.2 | 0.88493 | 0.88686 | 0.88877 | 0.89065 | 0.89251 | 0.89435 | 0.89617 | 0.89796 | 0.89973 | 0.90147 |
| 1.3 | 0.90320 | 0.90490 | 0.90658 | 0.90824 | 0.90988 | 0.91149 | 0.91308 | 0.91466 | 0.91621 | 0.91774 |
| 1.4 | 0.91924 | 0.92073 | 0.92220 | 0.92364 | 0.92507 | 0.92647 | 0.92785 | 0.92922 | 0.93056 | 0.93189 |
| 1.5 | 0.93319 | 0.93448 | 0.93574 | 0.93699 | 0.93822 | 0.93943 | 0.94062 | 0.94179 | 0.94295 | 0.94408 |
| 1.6 | 0.94520 | 0.94630 | 0.94738 | 0.94845 | 0.94950 | 0.95053 | 0.95154 | 0.95254 | 0.95352 | 0.95449 |
| 1.7 | 0.95543 | 0.95637 | 0.95728 | 0.95818 | 0.95907 | 0.95994 | 0.96080 | 0.96164 | 0.96246 | 0.96327 |
| 1.8 | 0.96407 | 0.96485 | 0.96562 | 0.96638 | 0.96712 | 0.96784 | 0.96856 | 0.96926 | 0.96995 | 0.97062 |
| 1.9 | 0.97128 | 0.97193 | 0.97257 | 0.97320 | 0.97381 | 0.97441 | 0.97500 | 0.97558 | 0.97615 | 0.97670 |
| 2.0 | 0.97725 | 0.97778 | 0.97831 | 0.97882 | 0.97932 | 0.97982 | 0.98030 | 0.98077 | 0.98124 | 0.98169 |
| 2.1 | 0.98214 | 0.98257 | 0.98300 | 0.98341 | 0.98382 | 0.98422 | 0.98461 | 0.98500 | 0.98537 | 0.98574 |
| 2.2 | 0.98610 | 0.98645 | 0.98679 | 0.98713 | 0.98745 | 0.98778 | 0.98809 | 0.98840 | 0.98870 | 0.98899 |
| 2.3 | 0.98928 | 0.98956 | 0.98983 | 0.99010 | 0.99036 | 0.99061 | 0.99086 | 0.99111 | 0.99134 | 0.99158 |
| 2.4 | 0.99180 | 0.99202 | 0.99224 | 0.99245 | 0.99266 | 0.99286 | 0.99305 | 0.99324 | 0.99343 | 0.99361 |
| 2.5 | 0.99379 | 0.99396 | 0.99413 | 0.99430 | 0.99446 | 0.99461 | 0.99477 | 0.99492 | 0.99506 | 0.99520 |
| 2.6 | 0.99534 | 0.99547 | 0.99560 | 0.99573 | 0.99585 | 0.99598 | 0.99609 | 0.99621 | 0.99632 | 0.99643 |
| 2.7 | 0.99653 | 0.99664 | 0.99674 | 0.99683 | 0.99693 | 0.99702 | 0.99711 | 0.99720 | 0.99728 | 0.99736 |
| 2.8 | 0.99744 | 0.99752 | 0.99760 | 0.99767 | 0.99774 | 0.99781 | 0.99788 | 0.99795 | 0.99801 | 0.99807 |
| 2.9 | 0.99813 | 0.99819 | 0.99825 | 0.99831 | 0.99836 | 0.99841 | 0.99846 | 0.99851 | 0.99856 | 0.99861 |
| 3.0 | 0.99865 | 0.99869 | 0.99874 | 0.99878 | 0.99882 | 0.99886 | 0.99889 | 0.99893 | 0.99896 | 0.99900 |

I. táblázat folytatása.

Az $N(0,1)$ normális eloszlás $[1 - F(z)] \cdot 10^9$ értékei, ha $z \geq 3.10$

| z | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.1 | 967671 | 935504 | 904323 | 874099 | 844806 | 816419 | 788912 | 762260 | 736440 | 711429 |
| 3.2 | 687202 | 663738 | 641016 | 619014 | 597711 | 577086 | 557122 | 537798 | 519095 | 500996 |
| 3.3 | 483483 | 466538 | 450144 | 434286 | 418948 | 404113 | 389767 | 375895 | 362482 | 349515 |
| 3.4 | 336981 | 324865 | 313156 | 301840 | 290906 | 280341 | 270135 | 260276 | 250753 | 241555 |
| 3.5 | 232673 | 224097 | 215816 | 207822 | 200105 | 192656 | 185467 | 178530 | 171836 | 165377 |
| 3.6 | 159146 | 153135 | 147337 | 141746 | 136353 | 131154 | 126141 | 121308 | 116649 | 112158 |
| 3.7 | 107830 | 103659 | 99641 | 95768 | 92038 | 88445 | 84983 | 81650 | 78440 | 75349 |
| 3.8 | 72372 | 69507 | 66749 | 64094 | 61539 | 59081 | 56715 | 54438 | 52248 | 50142 |
| 3.9 | 48116 | 46167 | 44293 | 42491 | 40758 | 39092 | 37491 | 35952 | 34473 | 33052 |
| 4.0 | 31686 | 30374 | 29113 | 27902 | 26739 | 25622 | 24549 | 23519 | 22530 | 21580 |
| 4.1 | 20669 | 19794 | 18954 | 18148 | 17375 | 16633 | 15922 | 15239 | 14584 | 13956 |
| 4.2 | 13354 | 12777 | 12223 | 11692 | 11183 | 10696 | 10228 | 9780 | 9351 | 8940 |
| 4.3 | 8546 | 8169 | 7807 | 7461 | 7130 | 6812 | 6508 | 6217 | 5939 | 5672 |
| 4.4 | 5417 | 5173 | 4939 | 4716 | 4502 | 4297 | 4102 | 3914 | 3736 | 3564 |
| 4.5 | 3401 | 3244 | 3095 | 2952 | 2815 | 2685 | 2560 | 2441 | 2327 | 2218 |
| 4.6 | 2115 | 2015 | 1921 | 1830 | 1744 | 1661 | 1583 | 1508 | 1436 | 1368 |
| 4.7 | 1302 | 1240 | 1181 | 1124 | 1070 | 1018 | 969.2 | 922.3 | 877.6 | 835.0 |
| 4.8 | 794.4 | 755.6 | 718.7 | 683.6 | 650.1 | 618.1 | 587.7 | 558.8 | 531.2 | 504.9 |
| 4.9 | 479.9 | 456.0 | 433.4 | 411.8 | 391.2 | 371.6 | 353.0 | 335.3 | 318.4 | 302.4 |
| 5.0 | 287.1 | 272.6 | 258.8 | 245.6 | 233.1 | 221.3 | 210.0 | 199.2 | 189.0 | 179.3 |
| 5.1 | 170.1 | 161.4 | 153.0 | 145.1 | 137.6 | 130.5 | 123.7 | 117.3 | 111.2 | 105.3 |
| 5.2 | 99.83 | 94.60 | 89.64 | 84.92 | 80.45 | 76.20 | 72.17 | 68.35 | 64.72 | 61.28 |
| 5.3 | 58.02 | 54.93 | 51.99 | 49.21 | 46.57 | 44.07 | 41.70 | 39.46 | 37.33 | 35.31 |
| 5.4 | 33.40 | 31.58 | 29.87 | 28.24 | 26.70 | 25.24 | 23.86 | 22.56 | 21.32 | 20.15 |
| 5.5 | 19.04 | 17.99 | 16.99 | 16.05 | 15.16 | 14.32 | 13.52 | 12.77 | 12.06 | 11.38 |
| 5.6 | 10.75 | 10.14 | 9.574 | 9.035 | 8.526 | 8.045 | 7.590 | 7.160 | 6.754 | 6.370 |
| 5.7 | 6.008 | 5.665 | 5.342 | 5.036 | 4.748 | 4.476 | 4.218 | 3.976 | 3.746 | 3.530 |
| 5.8 | 3.326 | 3.133 | 2.952 | 2.780 | 2.618 | 2.466 | 2.322 | 2.186 | 2.058 | 1.937 |
| 5.9 | 1.824 | 1.716 | 1.615 | 1.520 | 1.430 | 1.345 | 1.266 | 1.190 | 1.120 | 1.053 |
| 6.0 | 0.990 | 0.931 | 0.875 | 0.823 | 0.773 | 0.727 | 0.683 | 0.642 | 0.603 | 0.567 |

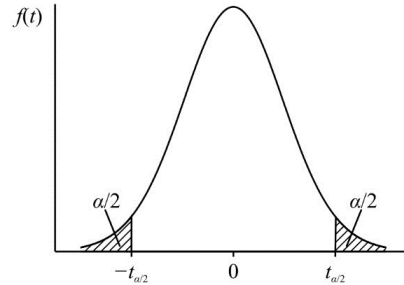
II. táblázat.

A χ^2 eloszlás kritikus értékei

| ν | α | | | | | | | | | |
|-------|----------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| | 0.999 | 0.990 | 0.975 | 0.950 | 0.900 | 0.100 | 0.050 | 0.025 | 0.010 | 0.001 |
| 1 | 0.0000 | 0.0002 | 0.0010 | 0.0039 | 0.0158 | 2.706 | 3.841 | 5.024 | 6.635 | 10.827 |
| 2 | 0.0020 | 0.0201 | 0.0506 | 0.1026 | 0.2107 | 4.605 | 5.991 | 7.378 | 9.210 | 13.815 |
| 3 | 0.0243 | 0.1148 | 0.2158 | 0.3518 | 0.5844 | 6.251 | 7.815 | 9.348 | 11.345 | 16.266 |
| 4 | 0.0908 | 0.2971 | 0.4844 | 0.7107 | 1.064 | 7.779 | 9.488 | 11.143 | 13.277 | 18.466 |
| 5 | 0.2102 | 0.5543 | 0.8312 | 1.145 | 1.610 | 9.236 | 11.070 | 12.832 | 15.086 | 20.515 |
| 6 | 0.3810 | 0.8721 | 1.237 | 1.635 | 2.204 | 10.645 | 12.592 | 14.449 | 16.812 | 22.457 |
| 7 | 0.5985 | 1.239 | 1.690 | 2.167 | 2.833 | 12.017 | 14.067 | 16.013 | 18.475 | 24.321 |
| 8 | 0.8571 | 1.647 | 2.180 | 2.733 | 3.490 | 13.362 | 15.507 | 17.535 | 20.090 | 26.124 |
| 9 | 1.152 | 2.088 | 2.700 | 3.325 | 4.168 | 14.684 | 16.919 | 19.023 | 21.666 | 27.877 |
| 10 | 1.479 | 2.558 | 3.247 | 3.940 | 4.865 | 15.987 | 18.307 | 20.483 | 23.209 | 29.588 |
| 11 | 1.834 | 3.053 | 3.816 | 4.575 | 5.578 | 17.275 | 19.675 | 21.920 | 24.725 | 31.264 |
| 12 | 2.214 | 3.571 | 4.404 | 5.226 | 6.304 | 18.549 | 21.026 | 23.337 | 26.217 | 32.909 |
| 13 | 2.617 | 4.107 | 5.009 | 5.892 | 7.041 | 19.812 | 22.362 | 24.736 | 27.688 | 34.527 |
| 14 | 3.041 | 4.660 | 5.629 | 6.571 | 7.790 | 21.064 | 23.685 | 26.119 | 29.141 | 36.124 |
| 15 | 3.483 | 5.229 | 6.262 | 7.261 | 8.547 | 22.307 | 24.996 | 27.488 | 30.578 | 37.698 |
| 16 | 3.942 | 5.812 | 6.908 | 7.962 | 9.312 | 23.542 | 26.296 | 28.845 | 32.000 | 39.252 |
| 17 | 4.416 | 6.408 | 7.564 | 8.672 | 10.085 | 24.769 | 27.587 | 30.191 | 33.409 | 40.791 |
| 18 | 4.905 | 7.015 | 8.231 | 9.390 | 10.865 | 25.989 | 28.869 | 31.526 | 34.805 | 42.312 |
| 19 | 5.407 | 7.633 | 8.907 | 10.117 | 11.651 | 27.204 | 30.144 | 32.852 | 36.191 | 43.819 |
| 20 | 5.921 | 8.260 | 9.591 | 10.851 | 12.443 | 28.412 | 31.410 | 34.170 | 37.566 | 45.314 |
| 21 | 6.447 | 8.897 | 10.283 | 11.591 | 13.240 | 29.615 | 32.671 | 35.479 | 38.932 | 46.796 |
| 22 | 6.983 | 9.542 | 10.982 | 12.338 | 14.041 | 30.813 | 33.924 | 36.781 | 40.289 | 48.268 |
| 23 | 7.529 | 10.196 | 11.689 | 13.091 | 14.848 | 32.007 | 35.172 | 38.076 | 41.638 | 49.728 |
| 24 | 8.085 | 10.856 | 12.401 | 13.848 | 15.659 | 33.196 | 36.415 | 39.364 | 42.980 | 51.179 |
| 25 | 8.649 | 11.524 | 13.120 | 14.611 | 16.473 | 34.382 | 37.652 | 40.646 | 44.314 | 52.619 |
| 26 | 9.222 | 12.198 | 13.844 | 15.379 | 17.292 | 35.563 | 38.885 | 41.923 | 45.642 | 54.051 |
| 27 | 9.803 | 12.878 | 14.573 | 16.151 | 18.114 | 36.741 | 40.113 | 43.195 | 46.963 | 55.475 |
| 28 | 10.391 | 13.565 | 15.308 | 16.928 | 18.939 | 37.916 | 41.337 | 44.461 | 48.278 | 56.892 |
| 29 | 10.986 | 14.256 | 16.047 | 17.708 | 19.768 | 39.087 | 42.557 | 45.722 | 49.588 | 58.301 |
| 30 | 11.588 | 14.953 | 16.791 | 18.493 | 20.599 | 40.256 | 43.773 | 46.979 | 50.892 | 59.702 |
| 40 | 17.917 | 22.164 | 24.433 | 26.509 | 29.051 | 51.805 | 55.758 | 59.342 | 63.691 | 73.403 |
| 50 | 24.674 | 29.707 | 32.357 | 34.764 | 37.689 | 63.167 | 67.505 | 71.420 | 76.154 | 86.660 |
| 60 | 31.738 | 37.485 | 40.482 | 43.188 | 46.459 | 74.397 | 79.082 | 83.298 | 88.379 | 99.608 |
| 70 | 39.036 | 45.442 | 48.758 | 51.739 | 55.329 | 85.527 | 90.531 | 95.023 | 100.425 | 112.317 |
| 80 | 46.520 | 53.540 | 57.153 | 60.391 | 64.278 | 96.578 | 101.879 | 106.629 | 112.329 | 124.839 |

III. táblázat.

A Student-féle t -eloszlás
 $t_{\alpha/2}$ kritikus értékei



| ν | α | | | | | | |
|-------|----------|-------|--------|--------|--------|---------|---------|
| | 0.200 | 0.100 | 0.050 | 0.025 | 0.010 | 0.005 | 0.001 |
| 1 | 3.078 | 6.314 | 12.706 | 25.452 | 63.656 | 127.321 | 636.578 |
| 2 | 1.886 | 2.920 | 4.303 | 6.205 | 9.925 | 14.089 | 31.600 |
| 3 | 1.638 | 2.353 | 3.182 | 4.177 | 5.841 | 7.453 | 12.924 |
| 4 | 1.533 | 2.132 | 2.776 | 3.495 | 4.604 | 5.598 | 8.610 |
| 5 | 1.476 | 2.015 | 2.571 | 3.163 | 4.032 | 4.773 | 6.869 |
| 6 | 1.440 | 1.943 | 2.447 | 2.969 | 3.707 | 4.317 | 5.959 |
| 7 | 1.415 | 1.895 | 2.365 | 2.841 | 3.499 | 4.029 | 5.408 |
| 8 | 1.397 | 1.860 | 2.306 | 2.752 | 3.355 | 3.833 | 5.041 |
| 9 | 1.383 | 1.833 | 2.262 | 2.685 | 3.250 | 3.690 | 4.781 |
| 10 | 1.372 | 1.812 | 2.228 | 2.634 | 3.169 | 3.581 | 4.587 |
| 11 | 1.363 | 1.796 | 2.201 | 2.593 | 3.106 | 3.497 | 4.437 |
| 12 | 1.356 | 1.782 | 2.179 | 2.560 | 3.055 | 3.428 | 4.318 |
| 13 | 1.350 | 1.771 | 2.160 | 2.533 | 3.012 | 3.372 | 4.221 |
| 14 | 1.345 | 1.761 | 2.145 | 2.510 | 2.977 | 3.326 | 4.140 |
| 15 | 1.341 | 1.753 | 2.131 | 2.490 | 2.947 | 3.286 | 4.073 |
| 16 | 1.337 | 1.746 | 2.120 | 2.473 | 2.921 | 3.252 | 4.015 |
| 17 | 1.333 | 1.740 | 2.110 | 2.458 | 2.898 | 3.222 | 3.965 |
| 18 | 1.330 | 1.734 | 2.101 | 2.445 | 2.878 | 3.197 | 3.922 |
| 19 | 1.328 | 1.729 | 2.093 | 2.433 | 2.861 | 3.174 | 3.883 |
| 20 | 1.325 | 1.725 | 2.086 | 2.423 | 2.845 | 3.153 | 3.850 |
| 21 | 1.323 | 1.721 | 2.080 | 2.414 | 2.831 | 3.135 | 3.819 |
| 22 | 1.321 | 1.717 | 2.074 | 2.405 | 2.819 | 3.119 | 3.792 |
| 23 | 1.319 | 1.714 | 2.069 | 2.398 | 2.807 | 3.104 | 3.768 |
| 24 | 1.318 | 1.711 | 2.064 | 2.391 | 2.797 | 3.091 | 3.745 |
| 25 | 1.316 | 1.708 | 2.060 | 2.385 | 2.787 | 3.078 | 3.725 |
| 26 | 1.315 | 1.706 | 2.056 | 2.379 | 2.779 | 3.067 | 3.707 |
| 27 | 1.314 | 1.703 | 2.052 | 2.373 | 2.771 | 3.057 | 3.689 |
| 28 | 1.313 | 1.701 | 2.048 | 2.368 | 2.763 | 3.047 | 3.674 |
| 29 | 1.311 | 1.699 | 2.045 | 2.364 | 2.756 | 3.038 | 3.660 |
| 30 | 1.310 | 1.697 | 2.042 | 2.360 | 2.750 | 3.030 | 3.646 |
| 40 | 1.303 | 1.684 | 2.021 | 2.329 | 2.704 | 2.971 | 3.551 |
| 60 | 1.296 | 1.671 | 2.000 | 2.299 | 2.660 | 2.915 | 3.460 |
| 120 | 1.289 | 1.658 | 1.980 | 2.270 | 2.617 | 2.860 | 3.373 |

IV. táblázat. Az F -eloszlás F_α kritikus értékei $\alpha = 0.05$ egyoldali szinten

| ν_1 | ν_2 | | | | | | | | | | | | | | | | |
|---------|---------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 1 | 161.45 | 18.51 | 10.13 | 7.71 | 6.61 | 5.99 | 5.59 | 5.32 | 5.12 | 4.96 | 4.84 | 4.75 | 4.67 | 4.60 | 4.54 | 4.49 | 4.45 |
| 2 | 199.50 | 19.00 | 9.55 | 6.94 | 5.79 | 5.14 | 4.74 | 4.46 | 4.26 | 4.10 | 3.98 | 3.89 | 3.81 | 3.74 | 3.68 | 3.63 | 3.59 |
| 3 | 215.71 | 19.16 | 9.28 | 6.59 | 5.41 | 4.76 | 4.35 | 4.07 | 3.86 | 3.71 | 3.59 | 3.49 | 3.41 | 3.34 | 3.29 | 3.24 | 3.20 |
| 4 | 224.58 | 19.25 | 9.12 | 6.39 | 5.19 | 4.53 | 4.12 | 3.84 | 3.63 | 3.48 | 3.36 | 3.26 | 3.18 | 3.11 | 3.06 | 3.01 | 2.96 |
| 5 | 230.16 | 19.30 | 9.01 | 6.26 | 5.05 | 4.39 | 3.97 | 3.69 | 3.48 | 3.33 | 3.20 | 3.11 | 3.03 | 2.96 | 2.90 | 2.85 | 2.81 |
| 6 | 233.99 | 19.33 | 8.94 | 6.16 | 4.95 | 4.28 | 3.87 | 3.58 | 3.37 | 3.22 | 3.09 | 3.00 | 2.92 | 2.85 | 2.79 | 2.74 | 2.70 |
| 7 | 236.77 | 19.35 | 8.89 | 6.09 | 4.88 | 4.21 | 3.79 | 3.50 | 3.29 | 3.14 | 3.01 | 2.91 | 2.83 | 2.76 | 2.71 | 2.66 | 2.61 |
| 8 | 238.88 | 19.37 | 8.85 | 6.04 | 4.82 | 4.15 | 3.73 | 3.44 | 3.23 | 3.07 | 2.95 | 2.85 | 2.77 | 2.70 | 2.64 | 2.59 | 2.55 |
| 9 | 240.54 | 19.38 | 8.81 | 6.00 | 4.77 | 4.10 | 3.68 | 3.39 | 3.18 | 3.02 | 2.90 | 2.80 | 2.71 | 2.65 | 2.59 | 2.54 | 2.49 |
| 10 | 241.88 | 19.40 | 8.79 | 5.96 | 4.74 | 4.06 | 3.64 | 3.35 | 3.14 | 2.98 | 2.85 | 2.75 | 2.67 | 2.60 | 2.54 | 2.49 | 2.45 |
| 11 | 242.98 | 19.40 | 8.76 | 5.94 | 4.70 | 4.03 | 3.60 | 3.31 | 3.10 | 2.94 | 2.82 | 2.72 | 2.63 | 2.57 | 2.51 | 2.46 | 2.41 |
| 12 | 243.90 | 19.41 | 8.74 | 5.91 | 4.68 | 4.00 | 3.57 | 3.28 | 3.07 | 2.91 | 2.79 | 2.69 | 2.60 | 2.53 | 2.48 | 2.42 | 2.38 |
| 13 | 244.69 | 19.42 | 8.73 | 5.89 | 4.66 | 3.98 | 3.55 | 3.26 | 3.05 | 2.89 | 2.76 | 2.66 | 2.58 | 2.51 | 2.45 | 2.40 | 2.35 |
| 14 | 245.36 | 19.42 | 8.71 | 5.87 | 4.64 | 3.96 | 3.53 | 3.24 | 3.03 | 2.86 | 2.74 | 2.64 | 2.55 | 2.48 | 2.42 | 2.37 | 2.33 |
| 15 | 245.95 | 19.43 | 8.70 | 5.86 | 4.62 | 3.94 | 3.51 | 3.22 | 3.01 | 2.85 | 2.72 | 2.62 | 2.53 | 2.46 | 2.40 | 2.35 | 2.31 |
| 16 | 246.47 | 19.43 | 8.69 | 5.84 | 4.60 | 3.92 | 3.49 | 3.20 | 2.99 | 2.83 | 2.70 | 2.60 | 2.51 | 2.44 | 2.38 | 2.33 | 2.29 |
| 17 | 246.92 | 19.44 | 8.68 | 5.83 | 4.59 | 3.91 | 3.48 | 3.19 | 2.97 | 2.81 | 2.69 | 2.58 | 2.50 | 2.43 | 2.37 | 2.32 | 2.27 |
| 18 | 247.32 | 19.44 | 8.67 | 5.82 | 4.58 | 3.90 | 3.47 | 3.17 | 2.96 | 2.80 | 2.67 | 2.57 | 2.48 | 2.41 | 2.35 | 2.30 | 2.26 |
| 19 | 247.69 | 19.44 | 8.67 | 5.81 | 4.57 | 3.88 | 3.46 | 3.16 | 2.95 | 2.79 | 2.66 | 2.56 | 2.47 | 2.40 | 2.34 | 2.29 | 2.24 |
| 20 | 248.02 | 19.45 | 8.66 | 5.80 | 4.56 | 3.87 | 3.44 | 3.15 | 2.94 | 2.77 | 2.65 | 2.54 | 2.46 | 2.39 | 2.33 | 2.28 | 2.23 |
| 21 | 248.31 | 19.45 | 8.65 | 5.79 | 4.55 | 3.86 | 3.43 | 3.14 | 2.93 | 2.76 | 2.64 | 2.53 | 2.45 | 2.38 | 2.32 | 2.26 | 2.22 |
| 22 | 248.58 | 19.45 | 8.65 | 5.79 | 4.54 | 3.86 | 3.43 | 3.13 | 2.92 | 2.75 | 2.63 | 2.52 | 2.44 | 2.37 | 2.31 | 2.25 | 2.21 |
| 23 | 248.82 | 19.45 | 8.64 | 5.78 | 4.53 | 3.85 | 3.42 | 3.12 | 2.91 | 2.75 | 2.62 | 2.51 | 2.43 | 2.36 | 2.30 | 2.24 | 2.20 |
| 24 | 249.05 | 19.45 | 8.64 | 5.77 | 4.53 | 3.84 | 3.41 | 3.12 | 2.90 | 2.74 | 2.61 | 2.51 | 2.42 | 2.35 | 2.29 | 2.24 | 2.19 |
| 25 | 249.26 | 19.46 | 8.63 | 5.77 | 4.52 | 3.83 | 3.40 | 3.11 | 2.89 | 2.73 | 2.60 | 2.50 | 2.41 | 2.34 | 2.28 | 2.23 | 2.18 |
| 26 | 249.45 | 19.46 | 8.63 | 5.76 | 4.52 | 3.83 | 3.40 | 3.10 | 2.89 | 2.72 | 2.59 | 2.49 | 2.41 | 2.33 | 2.27 | 2.22 | 2.17 |
| 27 | 249.63 | 19.46 | 8.63 | 5.76 | 4.51 | 3.82 | 3.39 | 3.10 | 2.88 | 2.72 | 2.59 | 2.48 | 2.40 | 2.33 | 2.27 | 2.21 | 2.17 |
| 28 | 249.80 | 19.46 | 8.62 | 5.75 | 4.50 | 3.82 | 3.39 | 3.09 | 2.87 | 2.71 | 2.58 | 2.48 | 2.39 | 2.32 | 2.26 | 2.21 | 2.16 |
| 29 | 249.95 | 19.46 | 8.62 | 5.75 | 4.50 | 3.81 | 3.38 | 3.08 | 2.87 | 2.70 | 2.58 | 2.47 | 2.39 | 2.31 | 2.25 | 2.20 | 2.15 |
| 30 | 250.10 | 19.46 | 8.62 | 5.75 | 4.50 | 3.81 | 3.38 | 3.08 | 2.86 | 2.70 | 2.57 | 2.47 | 2.38 | 2.31 | 2.25 | 2.19 | 2.15 |
| 32 | 250.36 | 19.46 | 8.61 | 5.74 | 4.49 | 3.80 | 3.37 | 3.07 | 2.85 | 2.69 | 2.56 | 2.46 | 2.37 | 2.30 | 2.24 | 2.18 | 2.14 |
| 34 | 250.59 | 19.47 | 8.61 | 5.73 | 4.48 | 3.79 | 3.36 | 3.06 | 2.85 | 2.68 | 2.55 | 2.45 | 2.36 | 2.29 | 2.23 | 2.17 | 2.13 |
| 36 | 250.79 | 19.47 | 8.60 | 5.73 | 4.47 | 3.79 | 3.35 | 3.06 | 2.84 | 2.67 | 2.54 | 2.44 | 2.35 | 2.28 | 2.22 | 2.17 | 2.12 |
| 38 | 250.98 | 19.47 | 8.60 | 5.72 | 4.47 | 3.78 | 3.35 | 3.05 | 2.83 | 2.67 | 2.54 | 2.43 | 2.35 | 2.27 | 2.21 | 2.16 | 2.11 |
| 40 | 251.14 | 19.47 | 8.59 | 5.72 | 4.46 | 3.77 | 3.34 | 3.04 | 2.83 | 2.66 | 2.53 | 2.43 | 2.34 | 2.27 | 2.20 | 2.15 | 2.10 |
| 42 | 251.29 | 19.47 | 8.59 | 5.71 | 4.46 | 3.77 | 3.34 | 3.04 | 2.82 | 2.66 | 2.53 | 2.42 | 2.33 | 2.26 | 2.20 | 2.14 | 2.10 |
| 44 | 251.43 | 19.47 | 8.59 | 5.71 | 4.46 | 3.76 | 3.33 | 3.03 | 2.82 | 2.65 | 2.52 | 2.41 | 2.33 | 2.25 | 2.19 | 2.14 | 2.09 |
| 46 | 251.55 | 19.47 | 8.59 | 5.71 | 4.45 | 3.76 | 3.33 | 3.03 | 2.81 | 2.65 | 2.52 | 2.41 | 2.32 | 2.25 | 2.19 | 2.13 | 2.09 |
| 48 | 251.67 | 19.48 | 8.58 | 5.70 | 4.45 | 3.76 | 3.32 | 3.02 | 2.81 | 2.64 | 2.51 | 2.41 | 2.32 | 2.24 | 2.18 | 2.13 | 2.08 |
| 50 | 251.77 | 19.48 | 8.58 | 5.70 | 4.44 | 3.75 | 3.32 | 3.02 | 2.80 | 2.64 | 2.51 | 2.40 | 2.31 | 2.24 | 2.18 | 2.12 | 2.08 |
| 55 | 252.00 | 19.48 | 8.58 | 5.69 | 4.44 | 3.75 | 3.31 | 3.01 | 2.79 | 2.63 | 2.50 | 2.39 | 2.30 | 2.23 | 2.17 | 2.11 | 2.07 |
| 60 | 252.20 | 19.48 | 8.57 | 5.69 | 4.43 | 3.74 | 3.30 | 3.01 | 2.79 | 2.62 | 2.49 | 2.38 | 2.30 | 2.22 | 2.16 | 2.11 | 2.06 |
| 65 | 252.36 | 19.48 | 8.57 | 5.68 | 4.43 | 3.73 | 3.30 | 3.00 | 2.78 | 2.61 | 2.48 | 2.38 | 2.29 | 2.22 | 2.15 | 2.10 | 2.05 |
| 70 | 252.50 | 19.48 | 8.57 | 5.68 | 4.42 | 3.73 | 3.29 | 2.99 | 2.78 | 2.61 | 2.48 | 2.37 | 2.28 | 2.21 | 2.15 | 2.09 | 2.05 |
| 75 | 252.62 | 19.48 | 8.56 | 5.68 | 4.42 | 3.73 | 3.29 | 2.99 | 2.77 | 2.60 | 2.47 | 2.37 | 2.28 | 2.21 | 2.14 | 2.09 | 2.04 |
| 80 | 252.72 | 19.48 | 8.56 | 5.67 | 4.41 | 3.72 | 3.29 | 2.99 | 2.77 | 2.60 | 2.47 | 2.36 | 2.27 | 2.20 | 2.14 | 2.08 | 2.03 |
| 90 | 252.90 | 19.48 | 8.56 | 5.67 | 4.41 | 3.72 | 3.28 | 2.98 | 2.76 | 2.59 | 2.46 | 2.36 | 2.27 | 2.19 | 2.13 | 2.07 | 2.03 |
| 100 | 253.04 | 19.49 | 8.55 | 5.66 | 4.41 | 3.71 | 3.27 | 2.97 | 2.76 | 2.59 | 2.46 | 2.35 | 2.26 | 2.19 | 2.12 | 2.07 | 2.02 |
| 125 | 253.30 | 19.49 | 8.55 | 5.66 | 4.40 | 3.70 | 3.27 | 2.97 | 2.75 | 2.58 | 2.45 | 2.34 | 2.25 | 2.18 | 2.11 | 2.06 | 2.01 |
| 150 | 253.47 | 19.49 | 8.54 | 5.65 | 4.39 | 3.70 | 3.26 | 2.96 | 2.74 | 2.57 | 2.44 | 2.33 | 2.24 | 2.17 | 2.10 | 2.05 | 2.00 |
| 200 | 253.68 | 19.49 | 8.54 | 5.65 | 4.39 | 3.69 | 3.25 | 2.95 | 2.73 | 2.56 | 2.43 | 2.32 | 2.23 | 2.16 | 2.10 | 2.04 | 1.99 |
| 500 | 254.06 | 19.49 | 8.53 | 5.64 | 4.37 | 3.68 | 3.24 | 2.94 | 2.72 | 2.55 | 2.42 | 2.31 | 2.22 | 2.14 | 2.08 | 2.02 | 1.97 |
| 1000 | 254.19 | 19.49 | 8.53 | 5.63 | 4.37 | 3.67 | 3.23 | 2.93 | 2.71 | 2.54 | 2.41 | 2.30 | 2.21 | 2.14 | 2.07 | 2.02 | 1.97 |

v_1 a számláló szabadsági foka, v_2 a nevező szabadsági foka

| v_2 | | | | | | | | | | | | | | | | v_1 | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| 18 | 19 | 20 | 22 | 24 | 26 | 28 | 30 | 35 | 40 | 45 | 50 | 60 | 80 | 100 | 200 | | 500 | 1000 |
| 4.41 | 4.38 | 4.35 | 4.30 | 4.26 | 4.23 | 4.20 | 4.17 | 4.12 | 4.08 | 4.06 | 4.03 | 4.00 | 3.96 | 3.94 | 3.89 | 3.86 | 3.85 | 1 |
| 3.55 | 3.52 | 3.49 | 3.44 | 3.40 | 3.37 | 3.34 | 3.32 | 3.27 | 3.23 | 3.20 | 3.18 | 3.15 | 3.11 | 3.09 | 3.04 | 3.01 | 3.00 | 2 |
| 3.16 | 3.13 | 3.10 | 3.05 | 3.01 | 2.98 | 2.95 | 2.92 | 2.87 | 2.84 | 2.81 | 2.79 | 2.76 | 2.72 | 2.70 | 2.65 | 2.62 | 2.61 | 3 |
| 2.93 | 2.90 | 2.87 | 2.82 | 2.78 | 2.74 | 2.71 | 2.69 | 2.64 | 2.61 | 2.58 | 2.56 | 2.53 | 2.49 | 2.46 | 2.42 | 2.39 | 2.38 | 4 |
| 2.77 | 2.74 | 2.71 | 2.66 | 2.62 | 2.59 | 2.56 | 2.53 | 2.49 | 2.45 | 2.42 | 2.40 | 2.37 | 2.33 | 2.31 | 2.26 | 2.23 | 2.22 | 5 |
| 2.66 | 2.63 | 2.60 | 2.55 | 2.51 | 2.47 | 2.45 | 2.42 | 2.37 | 2.34 | 2.31 | 2.29 | 2.25 | 2.21 | 2.19 | 2.14 | 2.12 | 2.11 | 6 |
| 2.58 | 2.54 | 2.51 | 2.46 | 2.42 | 2.39 | 2.36 | 2.33 | 2.29 | 2.25 | 2.22 | 2.20 | 2.17 | 2.13 | 2.10 | 2.06 | 2.03 | 2.02 | 7 |
| 2.51 | 2.48 | 2.45 | 2.40 | 2.36 | 2.32 | 2.29 | 2.27 | 2.22 | 2.18 | 2.15 | 2.13 | 2.10 | 2.06 | 2.03 | 1.98 | 1.96 | 1.95 | 8 |
| 2.46 | 2.42 | 2.39 | 2.34 | 2.30 | 2.27 | 2.24 | 2.21 | 2.16 | 2.12 | 2.10 | 2.07 | 2.04 | 2.00 | 1.97 | 1.93 | 1.90 | 1.89 | 9 |
| 2.41 | 2.38 | 2.35 | 2.30 | 2.25 | 2.22 | 2.19 | 2.16 | 2.11 | 2.08 | 2.05 | 2.03 | 1.99 | 1.95 | 1.93 | 1.88 | 1.85 | 1.84 | 10 |
| 2.37 | 2.34 | 2.31 | 2.26 | 2.22 | 2.18 | 2.15 | 2.13 | 2.07 | 2.04 | 2.01 | 1.99 | 1.95 | 1.91 | 1.89 | 1.84 | 1.81 | 1.80 | 11 |
| 2.34 | 2.31 | 2.28 | 2.23 | 2.18 | 2.15 | 2.12 | 2.09 | 2.04 | 2.00 | 1.97 | 1.95 | 1.92 | 1.88 | 1.85 | 1.80 | 1.77 | 1.76 | 12 |
| 2.31 | 2.28 | 2.25 | 2.20 | 2.15 | 2.12 | 2.09 | 2.06 | 2.01 | 1.97 | 1.94 | 1.92 | 1.89 | 1.84 | 1.82 | 1.77 | 1.74 | 1.73 | 13 |
| 2.29 | 2.26 | 2.22 | 2.17 | 2.13 | 2.09 | 2.06 | 2.04 | 1.99 | 1.95 | 1.92 | 1.89 | 1.86 | 1.82 | 1.79 | 1.74 | 1.71 | 1.70 | 14 |
| 2.27 | 2.23 | 2.20 | 2.15 | 2.11 | 2.07 | 2.04 | 2.01 | 1.96 | 1.92 | 1.89 | 1.87 | 1.84 | 1.79 | 1.77 | 1.72 | 1.69 | 1.68 | 15 |
| 2.25 | 2.21 | 2.18 | 2.13 | 2.09 | 2.05 | 2.02 | 1.99 | 1.94 | 1.90 | 1.87 | 1.85 | 1.82 | 1.77 | 1.75 | 1.69 | 1.66 | 1.65 | 16 |
| 2.23 | 2.20 | 2.17 | 2.11 | 2.07 | 2.03 | 2.00 | 1.98 | 1.92 | 1.89 | 1.86 | 1.83 | 1.80 | 1.75 | 1.73 | 1.67 | 1.64 | 1.63 | 17 |
| 2.22 | 2.18 | 2.15 | 2.10 | 2.05 | 2.02 | 1.99 | 1.96 | 1.91 | 1.87 | 1.84 | 1.81 | 1.78 | 1.73 | 1.71 | 1.66 | 1.62 | 1.61 | 18 |
| 2.20 | 2.17 | 2.14 | 2.08 | 2.04 | 2.00 | 1.97 | 1.95 | 1.89 | 1.85 | 1.82 | 1.80 | 1.76 | 1.72 | 1.69 | 1.64 | 1.61 | 1.60 | 19 |
| 2.19 | 2.16 | 2.12 | 2.07 | 2.03 | 1.99 | 1.96 | 1.93 | 1.88 | 1.84 | 1.81 | 1.78 | 1.75 | 1.70 | 1.68 | 1.62 | 1.59 | 1.58 | 20 |
| 2.18 | 2.14 | 2.11 | 2.06 | 2.01 | 1.98 | 1.95 | 1.92 | 1.87 | 1.83 | 1.80 | 1.77 | 1.73 | 1.69 | 1.66 | 1.61 | 1.58 | 1.57 | 21 |
| 2.17 | 2.13 | 2.10 | 2.05 | 2.00 | 1.97 | 1.93 | 1.91 | 1.85 | 1.81 | 1.78 | 1.76 | 1.72 | 1.68 | 1.65 | 1.60 | 1.56 | 1.55 | 22 |
| 2.16 | 2.12 | 2.09 | 2.04 | 1.99 | 1.96 | 1.92 | 1.90 | 1.84 | 1.80 | 1.77 | 1.75 | 1.71 | 1.67 | 1.64 | 1.58 | 1.55 | 1.54 | 23 |
| 2.15 | 2.11 | 2.08 | 2.03 | 1.98 | 1.95 | 1.91 | 1.89 | 1.83 | 1.79 | 1.76 | 1.74 | 1.70 | 1.65 | 1.63 | 1.57 | 1.54 | 1.53 | 24 |
| 2.14 | 2.11 | 2.07 | 2.02 | 1.97 | 1.94 | 1.91 | 1.88 | 1.82 | 1.78 | 1.75 | 1.73 | 1.69 | 1.64 | 1.62 | 1.56 | 1.53 | 1.52 | 25 |
| 2.13 | 2.10 | 2.07 | 2.01 | 1.97 | 1.93 | 1.90 | 1.87 | 1.82 | 1.77 | 1.74 | 1.72 | 1.68 | 1.63 | 1.61 | 1.55 | 1.52 | 1.51 | 26 |
| 2.13 | 2.09 | 2.06 | 2.00 | 1.96 | 1.92 | 1.89 | 1.86 | 1.81 | 1.77 | 1.73 | 1.71 | 1.67 | 1.63 | 1.60 | 1.54 | 1.51 | 1.50 | 27 |
| 2.12 | 2.08 | 2.05 | 2.00 | 1.95 | 1.91 | 1.88 | 1.85 | 1.80 | 1.76 | 1.73 | 1.70 | 1.66 | 1.62 | 1.59 | 1.53 | 1.50 | 1.49 | 28 |
| 2.11 | 2.08 | 2.05 | 1.99 | 1.95 | 1.91 | 1.88 | 1.85 | 1.79 | 1.75 | 1.72 | 1.69 | 1.66 | 1.61 | 1.58 | 1.52 | 1.49 | 1.48 | 29 |
| 2.11 | 2.07 | 2.04 | 1.98 | 1.94 | 1.90 | 1.87 | 1.84 | 1.79 | 1.74 | 1.71 | 1.69 | 1.65 | 1.60 | 1.57 | 1.52 | 1.48 | 1.47 | 30 |
| 2.10 | 2.06 | 2.03 | 1.97 | 1.93 | 1.89 | 1.86 | 1.83 | 1.77 | 1.73 | 1.70 | 1.67 | 1.64 | 1.59 | 1.56 | 1.50 | 1.47 | 1.46 | 32 |
| 2.09 | 2.05 | 2.02 | 1.96 | 1.92 | 1.88 | 1.85 | 1.82 | 1.76 | 1.72 | 1.69 | 1.66 | 1.62 | 1.58 | 1.55 | 1.49 | 1.45 | 1.44 | 34 |
| 2.08 | 2.04 | 2.01 | 1.95 | 1.91 | 1.87 | 1.84 | 1.81 | 1.75 | 1.71 | 1.68 | 1.65 | 1.61 | 1.56 | 1.54 | 1.48 | 1.44 | 1.43 | 36 |
| 2.07 | 2.03 | 2.00 | 1.95 | 1.90 | 1.86 | 1.83 | 1.80 | 1.74 | 1.70 | 1.67 | 1.64 | 1.60 | 1.55 | 1.52 | 1.47 | 1.43 | 1.42 | 38 |
| 2.06 | 2.03 | 1.99 | 1.94 | 1.89 | 1.85 | 1.82 | 1.79 | 1.74 | 1.69 | 1.66 | 1.63 | 1.59 | 1.54 | 1.52 | 1.46 | 1.42 | 1.41 | 40 |
| 2.06 | 2.02 | 1.99 | 1.93 | 1.89 | 1.85 | 1.81 | 1.78 | 1.73 | 1.69 | 1.65 | 1.63 | 1.59 | 1.54 | 1.51 | 1.45 | 1.41 | 1.40 | 42 |
| 2.05 | 2.01 | 1.98 | 1.93 | 1.88 | 1.84 | 1.81 | 1.78 | 1.72 | 1.68 | 1.64 | 1.62 | 1.58 | 1.53 | 1.50 | 1.44 | 1.40 | 1.39 | 44 |
| 2.05 | 2.01 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.77 | 1.71 | 1.67 | 1.64 | 1.61 | 1.57 | 1.52 | 1.49 | 1.43 | 1.39 | 1.38 | 46 |
| 2.04 | 2.00 | 1.97 | 1.91 | 1.87 | 1.83 | 1.79 | 1.77 | 1.71 | 1.67 | 1.63 | 1.61 | 1.57 | 1.51 | 1.48 | 1.42 | 1.38 | 1.37 | 48 |
| 2.04 | 2.00 | 1.97 | 1.91 | 1.86 | 1.82 | 1.79 | 1.76 | 1.70 | 1.66 | 1.63 | 1.60 | 1.56 | 1.51 | 1.48 | 1.41 | 1.38 | 1.36 | 50 |
| 2.03 | 1.99 | 1.96 | 1.90 | 1.85 | 1.81 | 1.78 | 1.75 | 1.69 | 1.65 | 1.61 | 1.59 | 1.55 | 1.49 | 1.46 | 1.40 | 1.36 | 1.35 | 55 |
| 2.02 | 1.98 | 1.95 | 1.89 | 1.84 | 1.80 | 1.77 | 1.74 | 1.68 | 1.64 | 1.60 | 1.58 | 1.53 | 1.48 | 1.45 | 1.39 | 1.35 | 1.33 | 60 |
| 2.01 | 1.97 | 1.94 | 1.88 | 1.83 | 1.79 | 1.76 | 1.73 | 1.67 | 1.63 | 1.59 | 1.57 | 1.52 | 1.47 | 1.44 | 1.37 | 1.33 | 1.32 | 65 |
| 2.00 | 1.97 | 1.93 | 1.88 | 1.83 | 1.79 | 1.75 | 1.72 | 1.66 | 1.62 | 1.59 | 1.56 | 1.52 | 1.46 | 1.43 | 1.36 | 1.32 | 1.31 | 70 |
| 2.00 | 1.96 | 1.93 | 1.87 | 1.82 | 1.78 | 1.75 | 1.72 | 1.66 | 1.61 | 1.58 | 1.55 | 1.51 | 1.45 | 1.42 | 1.35 | 1.31 | 1.30 | 75 |
| 1.99 | 1.96 | 1.92 | 1.86 | 1.82 | 1.78 | 1.74 | 1.71 | 1.65 | 1.61 | 1.57 | 1.54 | 1.50 | 1.45 | 1.41 | 1.35 | 1.30 | 1.29 | 80 |
| 1.98 | 1.95 | 1.91 | 1.86 | 1.81 | 1.77 | 1.73 | 1.70 | 1.64 | 1.60 | 1.56 | 1.53 | 1.49 | 1.44 | 1.40 | 1.33 | 1.29 | 1.27 | 90 |
| 1.98 | 1.94 | 1.91 | 1.85 | 1.80 | 1.76 | 1.73 | 1.70 | 1.63 | 1.59 | 1.55 | 1.52 | 1.48 | 1.43 | 1.39 | 1.32 | 1.28 | 1.26 | 100 |
| 1.97 | 1.93 | 1.89 | 1.84 | 1.79 | 1.75 | 1.71 | 1.68 | 1.62 | 1.57 | 1.54 | 1.51 | 1.46 | 1.41 | 1.37 | 1.30 | 1.25 | 1.23 | 125 |
| 1.96 | 1.92 | 1.89 | 1.83 | 1.78 | 1.74 | 1.70 | 1.67 | 1.61 | 1.56 | 1.53 | 1.50 | 1.45 | 1.39 | 1.36 | 1.28 | 1.23 | 1.22 | 150 |
| 1.95 | 1.91 | 1.88 | 1.82 | 1.77 | 1.73 | 1.69 | 1.66 | 1.60 | 1.55 | 1.51 | 1.48 | 1.44 | 1.38 | 1.34 | 1.26 | 1.21 | 1.19 | 200 |
| 1.93 | 1.89 | 1.86 | 1.80 | 1.75 | 1.71 | 1.67 | 1.64 | 1.57 | 1.53 | 1.49 | 1.46 | 1.41 | 1.35 | 1.31 | 1.22 | 1.16 | 1.13 | 500 |
| 1.92 | 1.88 | 1.85 | 1.79 | 1.74 | 1.70 | 1.66 | 1.63 | 1.57 | 1.52 | 1.48 | 1.45 | 1.40 | 1.34 | 1.30 | 1.21 | 1.14 | 1.11 | 1000 |

V. táblázat. Cochran-próba, 5%-os szignifikanciahatárok

$$G = \frac{s_{\max}^2}{s_1^2 + \dots + s_k^2} \text{ statisztika, ahol } s_1, s_2, \dots, s_k \text{ mindegyike } f \text{ szabadsági fokú szórásnégyzet}$$

| k | f | | | | | | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 13 | 36 | 144 | ∞ |
| 2 | 0.9985 | 0.9750 | 0.9392 | 0.9057 | 0.8772 | 0.8534 | 0.8332 | 0.8159 | 0.8010 | 0.7880 | 0.7341 | 0.6602 | 0.5813 | 0.5000 |
| 3 | .9369 | .8709 | .7977 | .7457 | .7071 | .6771 | .6530 | .6333 | .6167 | .6025 | .5466 | .4748 | .4031 | .333 |
| 4 | .9065 | .7679 | .6841 | .6287 | .5895 | .5598 | .5365 | .5175 | .5017 | .4884 | .4866 | .3720 | .3093 | .2500 |
| 5 | 0.8412 | 0.6838 | 0.5981 | 0.5440 | 0.5063 | 0.4783 | 0.4564 | 0.4387 | 0.4241 | 0.4118 | 0.3645 | 0.3066 | 0.2513 | 0.2000 |
| 6 | .7803 | .6161 | .5321 | .4803 | .4447 | .4184 | .3980 | .3817 | .3682 | .3568 | .3135 | .2612 | .2119 | .1667 |
| 7 | .7271 | .5612 | .4800 | .4307 | .3974 | .3726 | .3535 | .3384 | .3259 | .3154 | .2756 | .2278 | .1833 | .1429 |
| 8 | 0.6798 | 0.5157 | 0.4377 | 0.3910 | 0.3595 | 0.3362 | 0.3185 | 0.3043 | 0.2926 | 0.2829 | 0.2462 | 0.2022 | 0.1616 | 0.1250 |
| 9 | .6385 | .4775 | .4027 | .3584 | .3286 | .3067 | .2901 | .2768 | .2659 | .2568 | .2226 | .1820 | .1446 | .1111 |
| 10 | .6020 | .4450 | .3733 | .3311 | .3029 | .2823 | .2666 | .2541 | .2439 | .2353 | .2032 | .1655 | .1308 | .1000 |
| 12 | 0.5410 | 0.3924 | 0.3264 | 0.2880 | 0.2624 | 0.2439 | 0.2299 | 0.2187 | 0.2098 | 0.2020 | .1737 | 0.1403 | 0.1100 | 0.0833 |
| 15 | .4709 | .3346 | .2758 | .2419 | .2195 | .2034 | .1911 | .1815 | .1736 | .1671 | .1429 | .1144 | .0889 | .0367 |
| 20 | .3894 | .2705 | .2205 | .1921 | .1735 | .1602 | .1501 | .1422 | .1357 | .1303 | .1108 | .0879 | .0675 | .0500 |
| 24 | 0.3434 | 0.2354 | 0.1907 | 0.1656 | 0.1493 | 0.1374 | 0.1286 | 0.1216 | 0.1160 | 0.1113 | 0.0942 | 0.0743 | 0.0567 | 0.0417 |
| 30 | .2929 | .1980 | .1593 | .1377 | .1237 | .1137 | .1061 | .1002 | .0958 | .0921 | .0771 | .0604 | .0457 | .0333 |
| 40 | .2870 | .1576 | .1259 | .1082 | .0968 | .0887 | .0827 | .0780 | .0745 | .0713 | .0595 | .0452 | .0347 | .0250 |
| 60 | 0.1737 | 0.1131 | 0.0895 | 0.0765 | 0.0682 | 0.0623 | 0.0583 | 0.0552 | 0.0520 | 0.0497 | 0.0411 | 0.0316 | 0.0234 | 0.0167 |
| 120 | .0998 | .0632 | .0495 | .0419 | .0371 | .0337 | .0312 | .0292 | .0279 | .0266 | .0218 | .0165 | .0120 | .0083 |
| ∞ | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 |

$H_0: \sigma_1^2 = \sigma_2^2 = \dots = \sigma_k^2$. A nullhipotézist elutasítjuk, ha a G próbatatisztika értéke nagyobb a táblázatbeli kritikus értéknél.

VI. táblázat.

Kritikus értékek a Kolmogorov–Szmirnov-próbához

| n | α | | | n | α | | |
|-----|----------|-------|-------|-----|------------------|------------------|------------------|
| | 0.100 | 0.05 | 0.01 | | 0.100 | 0.05 | 0.01 |
| 1 | 0.950 | 0.975 | 0.995 | 31 | 0.214 | 0.238 | 0.285 |
| 2 | 0.776 | 0.842 | 0.929 | 32 | 0.211 | 0.234 | 0.281 |
| 3 | 0.636 | 0.708 | 0.829 | 33 | 0.208 | 0.231 | 0.277 |
| 4 | 0.565 | 0.624 | 0.734 | 34 | 0.205 | 0.227 | 0.273 |
| 5 | 0.509 | 0.563 | 0.669 | 35 | 0.202 | 0.224 | 0.269 |
| 6 | 0.468 | 0.519 | 0.617 | 36 | 0.199 | 0.221 | 0.265 |
| 7 | 0.436 | 0.483 | 0.576 | 37 | 0.196 | 0.218 | 0.262 |
| 8 | 0.410 | 0.454 | 0.542 | 38 | 0.194 | 0.215 | 0.258 |
| 9 | 0.387 | 0.430 | 0.513 | 39 | 0.191 | 0.213 | 0.255 |
| 10 | 0.369 | 0.409 | 0.489 | 40 | 0.189 | 0.210 | 0.252 |
| 11 | 0.352 | 0.391 | 0.468 | 41 | 0.187 | 0.208 | 0.249 |
| 12 | 0.338 | 0.375 | 0.449 | 42 | 0.185 | 0.205 | 0.246 |
| 13 | 0.325 | 0.361 | 0.432 | 43 | 0.183 | 0.203 | 0.243 |
| 14 | 0.314 | 0.349 | 0.418 | 44 | 0.181 | 0.201 | 0.241 |
| 15 | 0.304 | 0.338 | 0.404 | 45 | 0.179 | 0.198 | 0.238 |
| 16 | 0.295 | 0.327 | 0.392 | 46 | 0.177 | 0.196 | 0.235 |
| 17 | 0.286 | 0.318 | 0.381 | 47 | 0.175 | 0.194 | 0.233 |
| 18 | 0.279 | 0.309 | 0.371 | 48 | 0.173 | 0.192 | 0.231 |
| 19 | 0.271 | 0.301 | 0.361 | 49 | 0.171 | 0.190 | 0.228 |
| 20 | 0.265 | 0.294 | 0.352 | 50 | 0.170 | 0.188 | 0.226 |
| 21 | 0.259 | 0.287 | 0.344 | 51 | 0.168 | 0.187 | 0.224 |
| 22 | 0.253 | 0.281 | 0.337 | 52 | 0.166 | 0.185 | 0.222 |
| 23 | 0.247 | 0.275 | 0.330 | 53 | 0.165 | 0.183 | 0.220 |
| 24 | 0.242 | 0.269 | 0.323 | 54 | 0.163 | 0.181 | 0.218 |
| 25 | 0.238 | 0.264 | 0.317 | 55 | 0.162 | 0.180 | 0.216 |
| 26 | 0.233 | 0.259 | 0.311 | 56 | 0.160 | 0.178 | 0.214 |
| 27 | 0.229 | 0.254 | 0.305 | 57 | 0.159 | 0.176 | 0.212 |
| 28 | 0.225 | 0.250 | 0.300 | 58 | 0.158 | 0.175 | 0.210 |
| 29 | 0.221 | 0.246 | 0.295 | 59 | 0.156 | 0.174 | 0.208 |
| 30 | 0.218 | 0.242 | 0.290 | 60 | 0.155 | 0.172 | 0.207 |
| | | | | >60 | $1.224/\sqrt{n}$ | $1.224/\sqrt{n}$ | $1.224/\sqrt{n}$ |

VII. táblázat.

 k értékek a kétoldali toleranciaintervallumhoz

Készült az R programnyelv „tolerance” csomagjának felhasználásával (Young, 2010)

| β hányad | minta- elemszám | $1 - \gamma$ valószínűség | | | | | |
|-------------------|--------------------|---------------------------|-------|-------|-------|-------|--------|
| | | 75% | 80% | 85% | 90% | 95% | 99% |
| 90% | 2 | 6.11 | 7.69 | 10.30 | 15.51 | 31.09 | 155.57 |
| | 3 | 3.49 | 3.97 | 4.65 | 5.79 | 8.31 | 18.78 |
| | 4 | 2.87 | 3.16 | 3.55 | 4.16 | 5.37 | 9.42 |
| | 5 | 2.59 | 2.80 | 3.08 | 3.50 | 4.29 | 6.65 |
| | 6 | 2.42 | 2.59 | 2.82 | 3.14 | 3.73 | 5.38 |
| | 8 | 2.24 | 2.36 | 2.53 | 2.75 | 3.16 | 4.19 |
| | 10 | 2.13 | 2.23 | 2.36 | 2.55 | 2.86 | 3.62 |
| | 12 | 2.06 | 2.15 | 2.26 | 2.41 | 2.67 | 3.28 |
| | 15 | 2.00 | 2.07 | 2.16 | 2.29 | 2.49 | 2.97 |
| | 20 | 1.93 | 1.99 | 2.06 | 2.16 | 2.32 | 2.68 |
| | 25 | 1.88 | 1.94 | 2.00 | 2.08 | 2.22 | 2.51 |
| | 50 | 1.79 | 1.83 | 1.87 | 1.92 | 2.00 | 2.17 |
| | 100 | 1.74 | 1.76 | 1.79 | 1.82 | 1.87 | 1.98 |
| | 250 | 1.70 | 1.71 | 1.73 | 1.75 | 1.78 | 1.84 |
| | 500 | 1.68 | 1.69 | 1.70 | 1.72 | 1.74 | 1.78 |
| | 1000 | 1.67 | 1.68 | 1.69 | 1.69 | 1.71 | 1.74 |
| ∞ | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | |
| 95% | 2 | 7.18 | 9.03 | 12.10 | 18.22 | 36.52 | 182.72 |
| | 3 | 4.12 | 4.68 | 5.49 | 6.82 | 9.79 | 22.13 |
| | 4 | 3.40 | 3.74 | 4.20 | 4.91 | 6.34 | 11.12 |
| | 5 | 3.07 | 3.32 | 3.65 | 4.14 | 5.08 | 7.87 |
| | 6 | 2.88 | 3.08 | 3.34 | 3.72 | 4.42 | 6.37 |
| | 8 | 2.66 | 2.81 | 3.00 | 3.27 | 3.75 | 4.97 |
| | 10 | 2.54 | 2.66 | 2.81 | 3.03 | 3.39 | 4.29 |
| | 12 | 2.46 | 2.56 | 2.69 | 2.87 | 3.17 | 3.90 |
| | 15 | 2.38 | 2.46 | 2.57 | 2.72 | 2.96 | 3.53 |
| | 20 | 2.29 | 2.37 | 2.45 | 2.57 | 2.76 | 3.18 |
| | 25 | 2.24 | 2.31 | 2.38 | 2.48 | 2.64 | 2.98 |
| | 50 | 2.14 | 2.18 | 2.22 | 2.29 | 2.38 | 2.58 |
| | 100 | 2.08 | 2.10 | 2.13 | 2.17 | 2.23 | 2.36 |
| | 250 | 2.03 | 2.04 | 2.06 | 2.09 | 2.12 | 2.19 |
| | 500 | 2.01 | 2.02 | 2.03 | 2.05 | 2.07 | 2.12 |
| | 1000 | 1.99 | 2.00 | 2.01 | 2.02 | 2.04 | 2.07 |
| ∞ | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | |
| 99% | 2 | 9.23 | 11.61 | 15.56 | 23.42 | 46.94 | 234.88 |
| | 3 | 5.33 | 6.05 | 7.10 | 8.82 | 12.65 | 28.59 |
| | 4 | 4.41 | 4.85 | 5.45 | 6.37 | 8.22 | 14.41 |
| | 5 | 4.00 | 4.32 | 4.75 | 5.39 | 6.60 | 10.22 |
| | 6 | 3.75 | 4.01 | 4.35 | 4.85 | 5.76 | 8.29 |
| | 8 | 3.48 | 3.67 | 3.92 | 4.27 | 4.89 | 6.48 |
| | 10 | 3.32 | 3.48 | 3.68 | 3.96 | 4.44 | 5.61 |
| | 12 | 3.22 | 3.35 | 3.52 | 3.76 | 4.16 | 5.10 |
| | 15 | 3.12 | 3.23 | 3.37 | 3.56 | 3.89 | 4.62 |
| | 20 | 3.01 | 3.10 | 3.22 | 3.37 | 3.62 | 4.17 |
| | 25 | 2.95 | 3.03 | 3.12 | 3.25 | 3.46 | 3.91 |
| | 50 | 2.81 | 2.86 | 2.92 | 3.00 | 3.13 | 3.39 |
| | 100 | 2.73 | 2.76 | 2.80 | 2.85 | 2.94 | 3.10 |
| | 250 | 2.66 | 2.69 | 2.71 | 2.74 | 2.79 | 2.88 |
| | 500 | 2.64 | 2.65 | 2.67 | 2.69 | 2.72 | 2.78 |
| | 1000 | 2.62 | 2.63 | 2.64 | 2.65 | 2.68 | 2.72 |
| ∞ | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | |

VIII. táblázat

A Dixon-próba kritikus értékei (Dixon, 1953)

 M a próbastatisztika, n a mintaelemek száma, α egyoldali szignifikanciaszint

| n | $\alpha = 0.10$ | $\alpha = 0.05$ | $\alpha = 0.01$ | M |
|-----|-----------------|-----------------|-----------------|---------------------------------------|
| 3 | 0.886 | 0.941 | 0.988 | $\frac{ x_1 - x_2 }{ x_1 - x_n }$ |
| 4 | 0.679 | 0.765 | 0.889 | |
| 5 | 0.557 | 0.642 | 0.780 | |
| 6 | 0.482 | 0.560 | 0.698 | |
| 7 | 0.434 | 0.507 | 0.637 | |
| 8 | 0.479 | 0.554 | 0.683 | $\frac{ x_1 - x_2 }{ x_1 - x_{n-1} }$ |
| 9 | 0.441 | 0.512 | 0.635 | |
| 10 | 0.409 | 0.477 | 0.597 | |
| 11 | 0.517 | 0.576 | 0.679 | $\frac{ x_1 - x_3 }{ x_1 - x_{n-1} }$ |
| 12 | 0.490 | 0.546 | 0.642 | |
| 13 | 0.467 | 0.521 | 0.615 | |
| 14 | 0.492 | 0.546 | 0.641 | $\frac{ x_1 - x_3 }{ x_1 - x_{n-2} }$ |
| 15 | 0.472 | 0.525 | 0.616 | |
| 16 | 0.454 | 0.507 | 0.595 | |
| 17 | 0.438 | 0.490 | 0.577 | |
| 18 | 0.424 | 0.475 | 0.561 | |
| 19 | 0.412 | 0.462 | 0.547 | |
| 20 | 0.401 | 0.450 | 0.535 | |
| 21 | 0.391 | 0.440 | 0.524 | |
| 22 | 0.382 | 0.430 | 0.514 | |
| 23 | 0.374 | 0.421 | 0.505 | |
| 24 | 0.367 | 0.413 | 0.497 | |
| 25 | 0.360 | 0.406 | 0.489 | |

IX. táblázat

A Grubbs próba kritikus értékei (Grubbs, 1969)

 α egyoldali szignifikanciaszint, n = a mintaelemek száma

| n | $\alpha = 0.05$ | $\alpha = 0.025$ | $\alpha = 0.01$ |
|-----|-----------------|------------------|-----------------|
| 3 | 1.15 | 1.15 | 1.15 |
| 4 | 1.46 | 1.48 | 1.49 |
| 5 | 1.67 | 1.71 | 1.75 |
| 6 | 1.82 | 1.89 | 1.94 |
| 7 | 1.94 | 2.02 | 2.10 |
| 8 | 2.03 | 2.13 | 2.22 |
| 9 | 2.11 | 2.21 | 2.32 |
| 10 | 2.18 | 2.29 | 2.41 |
| 11 | 2.23 | 2.36 | 2.48 |
| 12 | 2.29 | 2.41 | 2.55 |
| 13 | 2.33 | 2.46 | 2.61 |
| 14 | 2.37 | 2.51 | 2.66 |
| 15 | 2.41 | 2.55 | 2.71 |
| 16 | 2.44 | 2.59 | 2.75 |
| 17 | 2.47 | 2.62 | 2.79 |
| 18 | 2.50 | 2.65 | 2.82 |
| 19 | 2.53 | 2.68 | 2.85 |
| 20 | 2.56 | 2.71 | 2.88 |
| 21 | 2.58 | 2.73 | 2.91 |
| 22 | 2.60 | 2.76 | 2.94 |
| 23 | 2.62 | 2.78 | 2.96 |
| 24 | 2.64 | 2.80 | 2.99 |
| 25 | 2.66 | 2.82 | 3.01 |
| 30 | 2.75 | 2.91 | |
| 35 | 2.82 | 2.98 | |
| 40 | 2.87 | 3.04 | |
| 45 | 2.92 | 3.09 | |
| 50 | 2.96 | 3.13 | |
| 60 | 3.03 | 3.20 | |
| 70 | 3.09 | 3.26 | |
| 80 | 3.14 | 3.31 | |
| 90 | 3.18 | 3.35 | |
| 100 | 3.21 | 3.38 | |

X. táblázat.

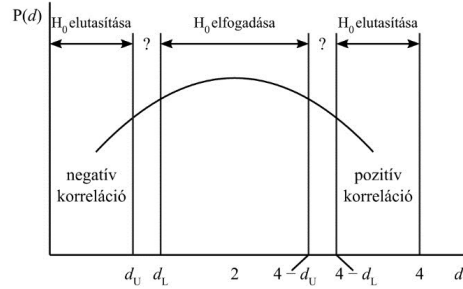
Kritikus értékek az Abbe-próbához (Linnik, 1962)

| n | α | | | n | α | | |
|-----|----------|-------|-------|-----|----------|-------|-------|
| | 0.001 | 0.01 | 0.05 | | 0.001 | 0.01 | 0.05 |
| 4 | 0.295 | 0.313 | 0.390 | 34 | 0.509 | 0.619 | 0.726 |
| 5 | 0.208 | 0.269 | 0.410 | 35 | 0.515 | 0.624 | 0.729 |
| 6 | 0.182 | 0.281 | 0.445 | 36 | 0.521 | 0.629 | 0.733 |
| 7 | 0.185 | 0.307 | 0.468 | 37 | 0.526 | 0.634 | 0.736 |
| 8 | 0.202 | 0.331 | 0.491 | 38 | 0.532 | 0.638 | 0.740 |
| 9 | 0.221 | 0.354 | 0.512 | 39 | 0.537 | 0.642 | 0.743 |
| 10 | 0.241 | 0.376 | 0.531 | 40 | 0.542 | 0.647 | 0.746 |
| 11 | 0.260 | 0.396 | 0.548 | 41 | 0.548 | 0.651 | 0.749 |
| 12 | 0.278 | 0.414 | 0.564 | 42 | 0.552 | 0.655 | 0.752 |
| 13 | 0.295 | 0.431 | 0.578 | 43 | 0.557 | 0.659 | 0.755 |
| 14 | 0.331 | 0.447 | 0.591 | 44 | 0.562 | 0.662 | 0.758 |
| 15 | 0.327 | 0.461 | 0.603 | 45 | 0.566 | 0.666 | 0.760 |
| 16 | 0.341 | 0.475 | 0.614 | 46 | 0.570 | 0.669 | 0.763 |
| 17 | 0.355 | 0.487 | 0.624 | 47 | 0.574 | 0.673 | 0.765 |
| 18 | 0.368 | 0.499 | 0.633 | 48 | 0.578 | 0.676 | 0.768 |
| 19 | 0.381 | 0.510 | 0.642 | 49 | 0.582 | 0.679 | 0.770 |
| 20 | 0.393 | 0.520 | 0.650 | 50 | 0.585 | 0.681 | 0.772 |
| 21 | 0.404 | 0.530 | 0.657 | 51 | 0.589 | 0.684 | 0.774 |
| 22 | 0.424 | 0.539 | 0.665 | 52 | 0.592 | 0.687 | 0.776 |
| 23 | 0.424 | 0.548 | 0.671 | 53 | 0.596 | 0.690 | 0.778 |
| 24 | 0.433 | 0.556 | 0.678 | 54 | 0.599 | 0.692 | 0.780 |
| 25 | 0.442 | 0.564 | 0.684 | 55 | 0.602 | 0.695 | 0.782 |
| 26 | 0.451 | 0.571 | 0.689 | 56 | 0.605 | 0.697 | 0.784 |
| 27 | 0.459 | 0.578 | 0.695 | 57 | 0.608 | 0.700 | 0.785 |
| 28 | 0.467 | 0.585 | 0.700 | 58 | 0.611 | 0.702 | 0.787 |
| 29 | 0.475 | 0.591 | 0.705 | 59 | 0.614 | 0.705 | 0.789 |
| 30 | 0.482 | 0.598 | 0.709 | 60 | 0.617 | 0.707 | 0.791 |
| 31 | 0.489 | 0.603 | 0.714 | | | | |
| 32 | 0.496 | 0.609 | 0.718 | | | | |
| 33 | 0.503 | 0.614 | 0.722 | | | | |

XI. táblázat.

A Durbin–Watson-statisztika
kritikus d értékei
(H_0 : nincs korreláció)

$$d = \frac{\sum_1^n (\Delta_i - \Delta_{i-1})^2}{\sum_1^n \Delta_i^2}$$



| n | α | A Durbin–Watson-statisztika d_L és d_U értékei | | | | | | | | | |
|-----|----------|----------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | $K=1$ | | $K=2$ | | $K=3$ | | $K=4$ | | $K=5$ | |
| | | d_L | d_U | d_L | d_U | d_L | d_U | d_L | d_U | d_L | d_U |
| 15 | 0.02 | 0.81 | 1.07 | 0.70 | 1.25 | 0.59 | 1.46 | 0.49 | 1.70 | 0.39 | 1.96 |
| | 0.05 | 0.95 | 1.23 | 0.83 | 1.40 | 0.71 | 1.61 | 0.59 | 1.84 | 0.48 | 2.09 |
| | 0.10 | 1.08 | 1.36 | 0.95 | 1.54 | 0.82 | 1.75 | 0.69 | 1.97 | 0.56 | 2.21 |
| 20 | 0.02 | 0.95 | 1.15 | 0.86 | 1.27 | 0.77 | 1.41 | 0.68 | 1.57 | 0.60 | 1.74 |
| | 0.05 | 1.08 | 1.28 | 0.99 | 1.41 | 0.89 | 1.55 | 0.79 | 1.70 | 0.70 | 1.87 |
| | 0.10 | 1.20 | 1.41 | 1.10 | 1.54 | 1.00 | 1.68 | 0.90 | 1.83 | 0.79 | 1.99 |
| 25 | 0.02 | 1.05 | 1.21 | 0.98 | 1.30 | 0.90 | 1.41 | 0.83 | 1.52 | 0.75 | 1.65 |
| | 0.05 | 1.18 | 1.34 | 1.10 | 1.43 | 1.02 | 1.54 | 0.94 | 1.65 | 0.86 | 1.77 |
| | 0.10 | 1.29 | 1.45 | 1.21 | 1.55 | 1.12 | 1.66 | 1.04 | 1.77 | 0.95 | 1.89 |
| 30 | 0.02 | 1.13 | 1.26 | 1.07 | 1.34 | 1.01 | 1.42 | 0.94 | 1.51 | 0.88 | 1.61 |
| | 0.05 | 1.25 | 1.38 | 1.18 | 1.46 | 1.12 | 1.54 | 1.05 | 1.63 | 0.98 | 1.73 |
| | 0.10 | 1.35 | 1.49 | 1.28 | 1.57 | 1.21 | 1.65 | 1.14 | 1.74 | 1.07 | 1.83 |
| 40 | 0.02 | 1.25 | 1.34 | 1.20 | 1.40 | 1.15 | 1.46 | 1.10 | 1.52 | 1.05 | 1.58 |
| | 0.05 | 1.35 | 1.45 | 1.30 | 1.51 | 1.25 | 1.57 | 1.20 | 1.63 | 1.15 | 1.69 |
| | 0.10 | 1.44 | 1.54 | 1.39 | 1.60 | 1.34 | 1.66 | 1.29 | 1.72 | 1.23 | 1.79 |
| 50 | 0.02 | 1.32 | 1.40 | 1.28 | 1.45 | 1.24 | 1.49 | 1.20 | 1.54 | 1.16 | 1.59 |
| | 0.05 | 1.42 | 1.50 | 1.38 | 1.54 | 1.34 | 1.59 | 1.30 | 1.64 | 1.26 | 1.69 |
| | 0.10 | 1.50 | 1.59 | 1.46 | 1.63 | 1.42 | 1.67 | 1.38 | 1.72 | 1.34 | 1.77 |
| 60 | 0.02 | 1.38 | 1.45 | 1.35 | 1.48 | 1.32 | 1.52 | 1.28 | 1.56 | 1.25 | 1.60 |
| | 0.05 | 1.47 | 1.54 | 1.44 | 1.57 | 1.40 | 1.61 | 1.37 | 1.65 | 1.33 | 1.69 |
| | 0.10 | 1.55 | 1.62 | 1.51 | 1.65 | 1.48 | 1.69 | 1.44 | 1.73 | 1.41 | 1.77 |
| 80 | 0.02 | 1.47 | 1.52 | 1.44 | 1.54 | 1.42 | 1.57 | 1.39 | 1.60 | 1.36 | 1.62 |
| | 0.05 | 1.54 | 1.59 | 1.53 | 1.62 | 1.49 | 1.65 | 1.47 | 1.67 | 1.44 | 1.70 |
| | 0.10 | 1.61 | 1.66 | 1.59 | 1.69 | 1.56 | 1.72 | 1.53 | 1.74 | 1.51 | 1.77 |
| 100 | 0.02 | 1.52 | 1.56 | 1.50 | 1.58 | 1.48 | 1.60 | 1.46 | 1.63 | 1.44 | 1.65 |
| | 0.05 | 1.59 | 1.63 | 1.57 | 1.65 | 1.55 | 1.67 | 1.53 | 1.70 | 1.51 | 1.72 |
| | 0.10 | 1.65 | 1.69 | 1.63 | 1.72 | 1.61 | 1.74 | 1.59 | 1.76 | 1.57 | 1.78 |

α az elsőfajú hiba valószínűsége kétoldali ellenhipotézis esetén; K a független változók száma a modellben (polinom esetén a hatvány önálló változóként veendő számításba)

XII. táblázat.

$\Delta = \delta/\sigma_e$ értékei egy rögzített faktor szerinti osztályozáshoz, $\alpha = 0.05$, $\beta = 0.1$

A sorokban az ismétlések száma, az oszlopokban a faktor szintjeinek száma a paraméter

| | 2 | 3 | 4 | 5 | 6 |
|------|-------|-------|-------|-------|-------|
| 2 | 6.785 | 6.535 | 6.381 | 6.318 | 6.303 |
| 3 | 3.554 | 3.809 | 3.941 | 4.042 | 4.127 |
| 4 | 2.724 | 2.977 | 3.120 | 3.226 | 3.315 |
| 5 | 2.303 | 2.534 | 2.669 | 2.770 | 2.853 |
| 6 | 2.036 | 2.247 | 2.373 | 2.468 | 2.545 |
| 7 | 1.846 | 2.041 | 2.159 | 2.247 | 2.320 |
| 8 | 1.702 | 1.884 | 1.994 | 2.078 | 2.146 |
| 9 | 1.494 | 1.655 | 1.754 | 1.830 | 1.891 |
| 10 | 1.348 | 1.494 | 1.585 | 1.654 | 1.710 |
| 12 | 1.238 | 1.372 | 1.457 | 1.520 | 1.573 |
| 14 | 1.151 | 1.276 | 1.355 | 1.415 | 1.464 |
| 16 | 1.081 | 1.198 | 1.273 | 1.329 | 1.375 |
| 18 | 1.022 | 1.133 | 1.203 | 1.257 | 1.301 |
| 20 | 0.971 | 1.077 | 1.144 | 1.195 | 1.237 |
| 22 | 0.928 | 1.029 | 1.093 | 1.142 | 1.182 |
| 24 | 0.890 | 0.987 | 1.049 | 1.096 | 1.134 |
| 26 | 0.856 | 0.949 | 1.009 | 1.054 | 1.091 |
| 28 | 0.826 | 0.916 | 0.973 | 1.017 | 1.053 |
| 30 | 0.712 | 0.789 | 0.839 | 0.877 | 0.908 |
| 40 | 0.578 | 0.642 | 0.682 | 0.713 | 0.738 |
| 60 | 0.500 | 0.554 | 0.589 | 0.616 | 0.638 |
| 80 | 0.446 | 0.495 | 0.526 | 0.550 | 0.570 |
| 100 | 0.315 | 0.349 | 0.371 | 0.388 | 0.402 |
| 500 | 0.199 | 0.220 | 0.234 | 0.245 | 0.254 |
| 1000 | 0.140 | 0.156 | 0.166 | 0.173 | 0.180 |

XIII. táblázat

$$\sqrt{C \frac{\Phi(\text{hatás})}{EMS(\text{nevező})}}$$

értékei több rögzített faktor szerinti osztályozáshoz, $\alpha = 0.05$,
 $\beta = 0.1$

A sorokban a nevező szabadsági foka, az oszlopokban a számláló szabadsági foka a paraméter

| | | | | | | | | | |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 10 | 20 | 50 |
| 1 | 20.96 | 23.25 | 24.16 | 24.65 | 24.95 | 25.15 | 25.57 | 25.89 | 26.08 |
| 2 | 6.796 | 6.710 | 6.682 | 6.668 | 6.659 | 6.653 | 6.642 | 6.633 | 6.628 |
| 3 | 5.014 | 4.630 | 4.475 | 4.390 | 4.336 | 4.299 | 4.221 | 4.159 | 4.121 |
| 4 | 4.396 | 3.900 | 3.692 | 3.576 | 3.502 | 3.450 | 3.339 | 3.250 | 3.193 |
| 5 | 4.092 | 3.538 | 3.301 | 3.166 | 3.079 | 3.018 | 2.886 | 2.777 | 2.707 |
| 6 | 3.913 | 3.324 | 3.068 | 2.921 | 2.825 | 2.757 | 2.609 | 2.486 | 2.405 |
| 7 | 3.795 | 3.183 | 2.914 | 2.759 | 2.656 | 2.583 | 2.423 | 2.287 | 2.197 |
| 8 | 3.712 | 3.084 | 2.805 | 2.643 | 2.535 | 2.458 | 2.288 | 2.142 | 2.044 |
| 10 | 3.604 | 2.953 | 2.661 | 2.489 | 2.375 | 2.292 | 2.107 | 1.944 | 1.832 |
| 12 | 3.536 | 2.871 | 2.570 | 2.392 | 2.272 | 2.186 | 1.989 | 1.814 | 1.690 |
| 14 | 3.489 | 2.815 | 2.508 | 2.325 | 2.202 | 2.112 | 1.907 | 1.721 | 1.588 |
| 16 | 3.455 | 2.774 | 2.463 | 2.276 | 2.150 | 2.058 | 1.846 | 1.652 | 1.510 |
| 18 | 3.429 | 2.743 | 2.428 | 2.239 | 2.111 | 2.017 | 1.800 | 1.598 | 1.449 |
| 20 | 3.409 | 2.718 | 2.401 | 2.210 | 2.080 | 1.984 | 1.762 | 1.554 | 1.399 |
| 22 | 3.393 | 2.698 | 2.379 | 2.186 | 2.054 | 1.957 | 1.732 | 1.519 | 1.357 |
| 24 | 3.380 | 2.682 | 2.361 | 2.166 | 2.033 | 1.935 | 1.707 | 1.489 | 1.322 |
| 26 | 3.368 | 2.669 | 2.346 | 2.150 | 2.016 | 1.917 | 1.686 | 1.464 | 1.292 |
| 28 | 3.359 | 2.657 | 2.333 | 2.136 | 2.001 | 1.901 | 1.667 | 1.442 | 1.265 |
| 30 | 3.351 | 2.647 | 2.322 | 2.124 | 1.988 | 1.888 | 1.652 | 1.423 | 1.242 |
| 40 | 3.322 | 2.613 | 2.283 | 2.082 | 1.944 | 1.841 | 1.597 | 1.355 | 1.159 |
| 60 | 3.295 | 2.580 | 2.246 | 2.042 | 1.900 | 1.794 | 1.542 | 1.287 | 1.070 |
| 80 | 3.281 | 2.563 | 2.227 | 2.022 | 1.878 | 1.772 | 1.515 | 1.252 | 1.022 |
| 100 | 3.273 | 2.554 | 2.216 | 2.010 | 1.866 | 1.758 | 1.498 | 1.231 | .9926 |
| 200 | 3.257 | 2.534 | 2.195 | 1.986 | 1.840 | 1.731 | 1.466 | 1.187 | .9298 |
| 500 | 3.248 | 2.523 | 2.182 | 1.972 | 1.825 | 1.715 | 1.446 | 1.161 | .8894 |
| 1000 | 3.245 | 2.519 | 2.178 | 1.967 | 1.820 | 1.709 | 1.439 | 1.152 | .8754 |
| ∞ | 3.242 | 2.515 | 2.173 | 1.962 | 1.815 | 1.704 | 1.433 | 1.143 | .8610 |

XIV. táblázat

$\sqrt{C \frac{\sigma_{\text{hatás}}^2}{EMS(\text{nevező})}}$ értékei egy vagy több véletlen faktor szerinti osztályozáshoz,
 $\alpha = 0.05$, $\beta = 0.1$

A sorokban a nevező szabadsági foka, az oszlopokban a számláló szabadsági foka a paraméter

| | 1 | 2 | 3 | 4 | 5 | 6 | 10 | 20 | 50 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 80.218 | 41.231 | 34.549 | 31.932 | 30.554 | 29.707 | 28.171 | 27.143 | 26.573 |
| 2 | 30.255 | 13.038 | 10.182 | 9.068 | 8.481 | 8.121 | 7.465 | 7.025 | 6.780 |
| 3 | 23.276 | 9.301 | 7.001 | 6.100 | 5.624 | 5.330 | 4.792 | 4.429 | 4.225 |
| 4 | 20.722 | 7.949 | 5.849 | 5.024 | 4.585 | 4.313 | 3.813 | 3.471 | 3.278 |
| 5 | 19.423 | 7.264 | 5.265 | 4.476 | 4.054 | 3.793 | 3.308 | 2.973 | 2.782 |
| 6 | 18.641 | 6.853 | 4.913 | 4.145 | 3.733 | 3.476 | 2.998 | 2.665 | 2.473 |
| 7 | 18.121 | 6.580 | 4.679 | 3.924 | 3.518 | 3.264 | 2.789 | 2.455 | 2.260 |
| 8 | 17.750 | 6.385 | 4.512 | 3.765 | 3.364 | 3.111 | 2.638 | 2.301 | 2.104 |
| 10 | 17.258 | 6.126 | 4.289 | 3.554 | 3.157 | 2.907 | 2.433 | 2.091 | 1.887 |
| 12 | 16.946 | 5.963 | 4.148 | 3.420 | 3.025 | 2.775 | 2.300 | 1.953 | 1.742 |
| 14 | 16.731 | 5.850 | 4.050 | 3.327 | 2.933 | 2.684 | 2.207 | 1.854 | 1.637 |
| 16 | 16.574 | 5.767 | 3.979 | 3.259 | 2.866 | 2.617 | 2.137 | 1.780 | 1.557 |
| 18 | 16.454 | 5.704 | 3.924 | 3.206 | 2.814 | 2.565 | 2.084 | 1.723 | 1.494 |
| 20 | 16.360 | 5.655 | 3.881 | 3.165 | 2.774 | 2.524 | 2.041 | 1.676 | 1.443 |
| 22 | 16.284 | 5.615 | 3.846 | 3.132 | 2.741 | 2.491 | 2.007 | 1.638 | 1.400 |
| 24 | 16.221 | 5.582 | 3.818 | 3.104 | 2.713 | 2.464 | 1.978 | 1.606 | 1.364 |
| 26 | 16.168 | 5.554 | 3.794 | 3.081 | 2.690 | 2.440 | 1.953 | 1.579 | 1.333 |
| 28 | 16.123 | 5.530 | 3.773 | 3.061 | 2.671 | 2.421 | 1.933 | 1.556 | 1.306 |
| 30 | 16.084 | 5.510 | 3.755 | 3.044 | 2.654 | 2.404 | 1.915 | 1.535 | 1.282 |
| 40 | 15.950 | 5.440 | 3.694 | 2.985 | 2.595 | 2.344 | 1.852 | 1.463 | 1.196 |
| 60 | 15.819 | 5.371 | 3.634 | 2.927 | 2.537 | 2.286 | 1.788 | 1.390 | 1.105 |
| 80 | 15.755 | 5.337 | 3.605 | 2.899 | 2.508 | 2.257 | 1.757 | 1.352 | 1.056 |
| 100 | 15.716 | 5.317 | 3.587 | 2.882 | 2.491 | 2.240 | 1.738 | 1.329 | 1.025 |
| 200 | 15.640 | 5.277 | 3.552 | 2.848 | 2.457 | 2.205 | 1.700 | 1.282 | .960 |
| 500 | 15.595 | 5.253 | 3.531 | 2.828 | 2.437 | 2.185 | 1.677 | 1.254 | .919 |
| 1000 | 15.580 | 5.246 | 3.524 | 2.821 | 2.431 | 2.178 | 1.670 | 1.244 | .904 |

XV. táblázat.

Kontrasztegységeltérők ortogonális polinomokhoz

| tag | fokszám | i | | | | | | | | | Vnevező |
|-----|---------|-----|-----|-----|-----|-----|-----|-----|-----|----|---------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| 3 | 1 | -1 | 0 | 1 | | | | | | | 2 |
| | 2 | 1 | -2 | 1 | | | | | | | 6 |
| 4 | 1 | -3 | -1 | 1 | 3 | | | | | | 20 |
| | 2 | 1 | -1 | -1 | 1 | | | | | | 4 |
| | 3 | -1 | 3 | -3 | 1 | | | | | | 20 |
| 5 | 1 | -2 | -1 | 0 | 1 | 2 | | | | | 10 |
| | 2 | 2 | -1 | -2 | -1 | 2 | | | | | 14 |
| | 3 | -1 | 2 | 0 | -2 | 1 | | | | | 10 |
| | 4 | 1 | -4 | 6 | -4 | 1 | | | | | 70 |
| 6 | 1 | -5 | -3 | -1 | 1 | 3 | 5 | | | | 70 |
| | 2 | 5 | -1 | -4 | -4 | -1 | 5 | | | | 84 |
| | 3 | -5 | 7 | 4 | -4 | -7 | 5 | | | | 180 |
| | 4 | 1 | -3 | 2 | 2 | -3 | 1 | | | | 28 |
| | 5 | -1 | 5 | -10 | 10 | -5 | 1 | | | | 252 |
| 7 | 1 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | | | 28 |
| | 2 | 5 | 0 | -3 | -4 | -3 | 0 | 5 | | | 84 |
| | 3 | -1 | 1 | 1 | 0 | -1 | -1 | 1 | | | 6 |
| | 4 | 3 | -7 | 1 | 6 | 1 | -7 | 3 | | | 154 |
| | 5 | -1 | 4 | -5 | 0 | 5 | -4 | 1 | | | 84 |
| | 6 | 1 | -6 | 15 | -20 | 15 | -6 | 1 | | | 924 |
| 8 | 1 | -7 | -5 | -3 | -1 | 1 | 3 | 5 | 7 | | 168 |
| | 2 | 7 | 1 | -3 | -5 | -5 | -3 | 1 | 7 | | 168 |
| | 3 | -7 | 5 | 7 | 3 | -3 | -7 | -5 | 7 | | 264 |
| | 4 | 7 | -13 | -3 | 9 | 9 | -3 | -13 | 7 | | 616 |
| | 5 | -7 | 23 | -17 | -15 | 15 | 17 | -23 | 7 | | 2184 |
| | 6 | 1 | -5 | 9 | -5 | -5 | 9 | -5 | 1 | | 264 |
| 9 | 1 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 60 |
| | 2 | 28 | 7 | -8 | -17 | -20 | -17 | -8 | 7 | 28 | 2772 |
| | 3 | -14 | 7 | 13 | 9 | 0 | -9 | -13 | -7 | 14 | 990 |
| | 4 | 14 | -21 | -11 | 9 | 18 | 9 | -11 | -21 | 14 | 2002 |
| | 5 | -4 | 11 | -4 | -9 | 0 | 9 | 4 | -11 | 4 | 468 |
| | 6 | 4 | -17 | 22 | 1 | -20 | 1 | 22 | -17 | 4 | 1980 |

XVI. táblázat.

Kritikus értékek Lenth módszeréhez

 m beállításból álló terv esetén $\alpha = 0.05$ szignifikanciaszintre

| m | $t_{krit}(IER)$ | $t_{krit}(EER)$ | m | $t_{krit}(IER)$ | $t_{krit}(EER)$ |
|-----|-----------------|-----------------|-----|-----------------|-----------------|
| 7 | 2.297 | 4.867 | 19 | 2.120 | 4.118 |
| 8 | 2.201 | 4.868 | 23 | 2.097 | 4.017 |
| 11 | 2.211 | 4.438 | 26 | 2.082 | 3.985 |
| 15 | 2.156 | 4.240 | 27 | 2.077 | 3.964 |
| 17 | 2.138 | 4.164 | 31 | 2.064 | 3.925 |

XVII. táblázat.
A tárgyalt statisztikai próbák áttekintő táblázata – egymintás próbák

| nullhipotézis | feltétel | ellenhipotézis | próbatiszttika | elfogadási tartomány |
|----------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| $H_0 : \mu = \mu_0$ | σ^2 ismert | $H_1 : \mu \neq \mu_0$ | $z_0 = \frac{\bar{x} - \mu_0}{\sigma/\sqrt{n}}$ | $-z_{\alpha/2} < z_0 \leq z_{\alpha/2}$ |
| $H_0 : \mu_1 \geq \mu_0$ | | $H_1 : \mu < \mu_0$ | | $-z_\alpha < z_0$ |
| $H_0 : \mu_1 \leq \mu_0$ | | $H_1 : \mu > \mu_0$ | | $z_0 < z_\alpha$ |
| $H_0 : \mu = \mu_0$ | σ^2 ismeretlen | $H_1 : \mu \neq \mu_0$ | $t_0 = \frac{\bar{x} - \mu_0}{s/\sqrt{n}}$ | $-t_{\alpha/2} < t_0 \leq t_{\alpha/2}$ |
| $H_0 : \mu_1 \geq \mu_0$ | | $H_1 : \mu < \mu_0$ | | $-t_\alpha < t_0$ |
| $H_0 : \mu_1 \leq \mu_0$ | | $H_1 : \mu > \mu_0$ | | $t_0 < t_\alpha$ |
| $H_0 : p = p_0$ | $\frac{1}{n+1} < p < \frac{n}{n+1}$ a $p \pm 3\sqrt{\frac{p(1-p)}{n}}$ intervallumon belül | $H_1 : p \neq p_0$ | $z_0 = \frac{\hat{p} - p_0}{\sqrt{\frac{p_0(1-p_0)}{n}}}$ | $-z_{\alpha/2} < z_0 \leq z_{\alpha/2}$ |
| $H_0 : p \geq p_0$ | | $H_1 : p < p_0$ | | $-z_\alpha < z_0$ |
| $H_0 : p \leq p_0$ | | $H_1 : p > p_0$ | | $z_0 < z_\alpha$ |
| $H_0 : \sigma^2 = \sigma_0^2$ | normális eloszlás | $H_1 : \sigma^2 \neq \sigma_0^2$ | $\chi_0^2 = \frac{s^2(n-1)}{\sigma_0^2}$ | $\chi_{1-\alpha/2}^2 < \chi_0^2 \leq \chi_{\alpha/2}^2$ |
| $H_0 : \sigma^2 \geq \sigma_0^2$ | | $H_1 : \sigma^2 < \sigma_0^2$ | | $\chi_0^2 < \chi_\alpha^2$ |
| $H_0 : \sigma^2 \leq \sigma_0^2$ | | $H_1 : \sigma^2 > \sigma_0^2$ | | $\chi_0^2 > \chi_{1-\alpha}^2$ |

XVIII. táblázat.
A tárgyalati statisztikai próbák áttekintő táblázata – kétmintás próbák

| nullhipotézis | feltétel | ellenhipotézis | próbatatisztika | elfogadási tartomány |
|----------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------|
| $H_0 : \mu_1 = \mu_2$ | független minták; $\sigma_1^2 = \sigma_2^2 = \sigma^2$, ismert | $H_1 : \mu_1 \neq \mu_2$ | $z_0 = \frac{\bar{x}_1 - \bar{x}_2}{\sigma \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$ | $-z_{\alpha/2} < z_0 \leq z_{\alpha/2}$ |
| $H_0 : \mu_1 \geq \mu_2$ | | $H_1 : \mu_1 < \mu_2$ | | $-z_\alpha < z_0$ |
| $H_0 : \mu_1 \leq \mu_2$ | | $H_1 : \mu_1 > \mu_2$ | | $z_0 < z_\alpha$ |
| $H_0 : p_1 = p_2$ | $\frac{1}{n+1} < p < \frac{n}{n+1}$ a $p \pm 3\sqrt{\frac{p(1-p)}{n}}$ intervallumon belül | $H_1 : p_1 \neq p_2$ | $z_0 = \frac{\hat{p}_1 - \hat{p}_2}{\sqrt{\hat{p}(1-\hat{p})\left(\frac{1}{n_1} + \frac{1}{n_2}\right)}}$ | $-z_{\alpha/2} < z_0 \leq z_{\alpha/2}$ |
| $H_0 : p \geq p_0$ | | $H_1 : p_1 < p_2$ | | $-z_\alpha < z_0$ |
| $H_0 : p \leq p_0$ | | $H_1 : p_1 > p_2$ | | $z_0 < z_\alpha$ |
| $H_0 : \mu_1 = \mu_2$ | független minták; $\sigma_1^2 = \sigma_2^2 = \sigma^2$, ismeretlen | $H_1 : \mu_1 \neq \mu_2$ | $t_0 = \frac{\bar{x}_1 - \bar{x}_2}{s \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$ | $-t_{\alpha/2} < t_0 \leq t_{\alpha/2}$ |
| $H_0 : \mu_1 \geq \mu_2$ | | $H_1 : \mu_1 < \mu_2$ | | $-t_\alpha < t_0$ |
| $H_0 : \mu_1 \leq \mu_2$ | | $H_1 : \mu_1 > \mu_2$ | | $t_0 < t_\alpha$ |
| $H_0 : \mu_1 = \mu_2$ | független minták; $\sigma_1^2 \neq \sigma_2^2$, ismeretlen | $H_1 : \mu_1 \neq \mu_2$ | $t_0 = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}}}$ | $-t_{\alpha/2} < t_0 \leq t_{\alpha/2}$ |
| $H_0 : \mu_1 \geq \mu_2$ | | $H_1 : \mu_1 < \mu_2$ | | $-t_\alpha < t_0$ |
| $H_0 : \mu_1 \leq \mu_2$ | | $H_1 : \mu_1 > \mu_2$ | | $t_0 < t_\alpha$ |
| $H_0 : \sigma_1^2 = \sigma_2^2$ | $s_1^2 / s_2^2 \geq 1$, N eloszlás | $H_1 : \sigma_1^2 \neq \sigma_2^2$ | $F_0 = \frac{s_1^2}{s_2^2}$ | $F_0 < F_{\alpha/2}(V_1, V_2)$ |
| $H_0 : \sigma^2 \leq \sigma_2^2$ | | $H_1 : \sigma_1^2 > \sigma_2^2$ | | $F_0 < F_\alpha$ |