Результаты расчетов

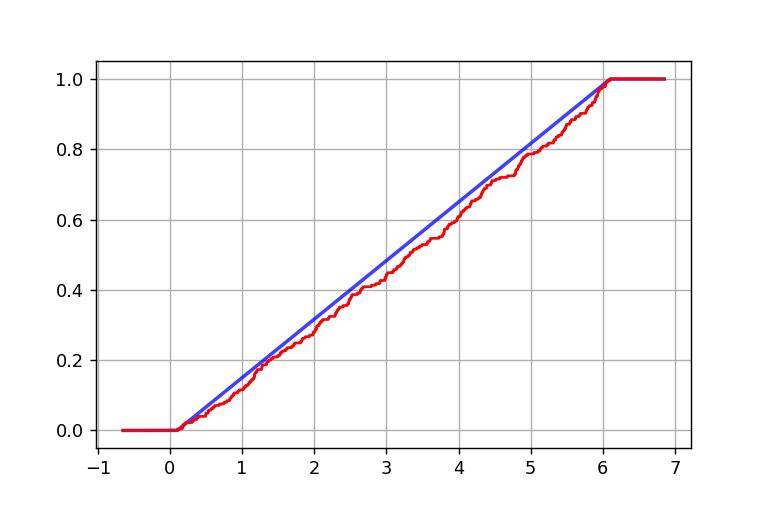
Задание 1)

Полученная выборка:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5.48848 | 3.01468 | 1.52398 | 4.17952 | 3.77314 | 4.15594 | 5.93128 | 0.78484 | 4.35748 | 5.76826 |
| 2.50318 | 0.49498 | 1.08742 | 5.12908 | 4.03246 | 2.48062 | 5.49532 | 4.83544 | 0.38986 | 5.56102 |
| 5.76352 | 4.31086 | 4.30144 | 5.81002 | 3.32386 | 2.99866 | 1.11922 | 1.98514 | 3.90286 | 3.85360 |
| 4.31812 | 3.99022 | 1.36768 | 5.90710 | 2.97988 | 0.49612 | 0.87382 | 3.18976 | 5.61922 | 4.17046 |
| 4.38838 | 5.46724 | 5.04448 | 3.97648 | 5.62390 | 1.01638 | 3.32800 | 4.87192 | 4.27534 | 5.93236 |
| 4.08688 | 2.29270 | 4.79428 | 4.57180 | 1.14088 | 5.92648 | 3.72838 | 5.78992 | 2.91190 | 5.95954 |
| 2.31490 | 5.22262 | 5.90020 | 4.33204 | 0.59668 | 5.44888 | 4.11088 | 3.56350 | 2.99590 | 4.16296 |
| 2.63944 | 5.99356 | 3.98080 | 2.48494 | 2.63464 | 2.33446 | 3.20950 | 4.81978 | 1.05436 | 5.42752 |
| 0.52954 | 0.82522 | 2.52532 | 2.90710 | 5.89408 | 2.09272 | 4.86634 | 2.06416 | 2.51224 | 0.93814 |
| 2.07454 | 1.33936 | 5.78236 | 2.03500 | 1.39936 | 0.10372 | 0.95908 | 3.61018 | 1.17760 | 5.48110 |
| 1.21030 | 3.78706 | 2.30752 | 4.46176 | 0.18784 | 2.67502 | 0.18010 | 0.30586 | 0.85420 | 2.79004 |
| 5.43328 | 4.33996 | 6.03304 | 1.42936 | 2.03332 | 4.88668 | 2.40160 | 4.79224 | 1.27930 | 5.68678 |
| 3.24352 | 3.22804 | 5.16154 | 5.94868 | 2.20612 | 2.28754 | 1.27138 | 1.93174 | 5.88634 | 1.68946 |
| 0.74812 | 1.72516 | 2.11474 | 3.94108 | 5.67454 | 4.82668 | 4.03888 | 5.54794 | 5.85418 | 4.06408 |
| 1.87168 | 0.62050 | 1.71376 | 3.24424 | 3.26290 | 4.23484 | 0.53296 | 4.45528 | 4.51744 | 4.44412 |
| 3.80044 | 0.16912 | 6.09958 | 4.38868 | 3.80344 | 1.19848 | 1.17004 | 1.17172 | 0.37240 | 1.81198 |
| 2.00848 | 3.13882 | 4.95424 | 4.85422 | 5.14078 | 2.59702 | 0.88810 | 1.83604 | 0.21754 | 2.34778 |
| 3.15160 | 0.68506 | 2.98336 | 1.62460 | 0.83896 | 2.45788 | 1.34152 | 1.55722 | 4.67602 | 2.47720 |
| 6.06682 | 2.01586 | 1.03162 | 3.49174 | 3.29734 | 5.84986 | 5.38360 | 5.34892 | 4.02508 | 3.57148 |
| 3.10180 | 4.89724 | 1.98040 | 2.19358 | 4.78906 | 6.03904 | 1.09852 | 1.49374 | 5.31676 | 3.60034 |
| 4.92538 | 3.80140 | 2.85154 | 3.36118 | 3.42166 | 3.86650 | 3.37708 | 6.03988 | 3.09022 | 5.24374 |
| 3.84316 | 0.57010 | 1.16368 | 4.77148 | 1.60462 | 1.53160 | 5.10202 | 1.27390 | 3.45700 | 5.35168 |
| 1.82686 | 0.32992 | 5.32156 | 2.65498 | 5.53840 |  |  |  |  |  |

Упорядоченная выборка:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.10372 | 0.16912 | 0.18010 | 0.18784 | 0.21754 | 0.30586 | 0.32992 | 0.37240 | 0.38986 | 0.49498 |
| 0.49612 | 0.52954 | 0.53296 | 0.57010 | 0.59668 | 0.62050 | 0.68506 | 0.74812 | 0.78484 | 0.82522 |
| 0.83896 | 0.85420 | 0.87382 | 0.88810 | 0.93814 | 0.95908 | 1.01638 | 1.03162 | 1.05436 | 1.08742 |
| 1.09852 | 1.11922 | 1.14088 | 1.16368 | 1.17004 | 1.17172 | 1.17760 | 1.19848 | 1.21030 | 1.27138 |
| 1.27390 | 1.27930 | 1.33936 | 1.34152 | 1.36768 | 1.39936 | 1.42936 | 1.49374 | 1.52398 | 1.53160 |
| 1.55722 | 1.60462 | 1.62460 | 1.68946 | 1.71376 | 1.72516 | 1.81198 | 1.82686 | 1.83604 | 1.87168 |
| 1.93174 | 1.98040 | 1.98514 | 2.00848 | 2.01586 | 2.03332 | 2.03500 | 2.06416 | 2.07454 | 2.09272 |
| 2.11474 | 2.19358 | 2.20612 | 2.28754 | 2.29270 | 2.30752 | 2.31490 | 2.33446 | 2.34778 | 2.40160 |
| 2.45788 | 2.47720 | 2.48062 | 2.48494 | 2.50318 | 2.51224 | 2.52532 | 2.59702 | 2.63464 | 2.63944 |
| 2.65498 | 2.67502 | 2.79004 | 2.85154 | 2.90710 | 2.91190 | 2.97988 | 2.98336 | 2.99590 | 2.99866 |
| 3.01468 | 3.09022 | 3.10180 | 3.13882 | 3.15160 | 3.18976 | 3.20950 | 3.22804 | 3.24352 | 3.24424 |
| 3.26290 | 3.29734 | 3.32386 | 3.32800 | 3.36118 | 3.37708 | 3.42166 | 3.45700 | 3.49174 | 3.56350 |
| 3.57148 | 3.60034 | 3.61018 | 3.72838 | 3.77314 | 3.78706 | 3.80044 | 3.80140 | 3.80344 | 3.84316 |
| 3.85360 | 3.86650 | 3.90286 | 3.94108 | 3.97648 | 3.98080 | 3.99022 | 4.02508 | 4.03246 | 4.03888 |
| 4.06408 | 4.08688 | 4.11088 | 4.15594 | 4.16296 | 4.17046 | 4.17952 | 4.23484 | 4.27534 | 4.30144 |
| 4.31086 | 4.31812 | 4.33204 | 4.33996 | 4.35748 | 4.38838 | 4.38868 | 4.44412 | 4.45528 | 4.46176 |
| 4.51744 | 4.57180 | 4.67602 | 4.77148 | 4.78906 | 4.79224 | 4.79428 | 4.81978 | 4.82668 | 4.83544 |
| 4.85422 | 4.86634 | 4.87192 | 4.88668 | 4.89724 | 4.92538 | 4.95424 | 5.04448 | 5.10202 | 5.12908 |
| 5.14078 | 5.16154 | 5.22262 | 5.24374 | 5.31676 | 5.32156 | 5.34892 | 5.35168 | 5.38360 | 5.42752 |
| 5.43328 | 5.44888 | 5.46724 | 5.48110 | 5.48848 | 5.49532 | 5.53840 | 5.54794 | 5.56102 | 5.61922 |
| 5.62390 | 5.67454 | 5.68678 | 5.76352 | 5.76826 | 5.78236 | 5.78992 | 5.81002 | 5.84986 | 5.85418 |
| 5.88634 | 5.89408 | 5.90020 | 5.90710 | 5.92648 | 5.93128 | 5.93236 | 5.94868 | 5.95954 | 5.99356 |
| 6.03304 | 6.03904 | 6.03988 | 6.06682 | 6.09958 |  |  |  |  |  |



|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| a | b | N | D\_N | D\_N sqrt{N} | x^\* | F (x^\*) | F\_N (x^\*) | F\_N (x^\* - 0) |
| 0.10000 | 6.10000 | 225 | 0.06108 | 0.91618 | 3.77314 | 0.61219 | 0.55556 | 0.55111 |

При втором способе проверки гипотезы о соответствии выборки равномерному распределению с помощью критерия Колмогорова значение функции: pval = 0.35840

Задание 2)

Полученная выборка:

X

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5.48848 | 3.01468 | 1.52398 | 4.17952 | 3.77314 | 4.15594 | 5.93128 | 0.78484 | 4.35748 | 5.76826 |
| 2.50318 | 0.49498 | 1.08742 | 5.12908 | 4.03246 | 2.48062 | 5.49532 | 4.83544 | 0.38986 | 5.56102 |
| 5.76352 | 4.31086 | 4.30144 | 5.81002 | 3.32386 | 2.99866 | 1.11922 | 1.98514 | 3.90286 | 3.85360 |
| 4.31812 | 3.99022 | 1.36768 | 5.90710 | 2.97988 | 0.49612 | 0.87382 | 3.18976 | 5.61922 | 4.17046 |
| 4.38838 | 5.46724 | 5.04448 | 3.97648 | 5.62390 | 1.01638 | 3.32800 | 4.87192 | 4.27534 | 5.93236 |
| 4.08688 | 2.29270 | 4.79428 | 4.57180 | 1.14088 | 5.92648 | 3.72838 | 5.78992 | 2.91190 | 5.95954 |
| 2.31490 | 5.22262 | 5.90020 | 4.33204 | 0.59668 | 5.44888 | 4.11088 | 3.56350 | 2.99590 | 4.16296 |
| 2.63944 | 5.99356 | 3.98080 | 2.48494 | 2.63464 | 2.33446 | 3.20950 | 4.81978 | 1.05436 | 5.42752 |
| 0.52954 | 0.82522 | 2.52532 | 2.90710 | 5.89408 | 2.09272 | 4.86634 | 2.06416 | 2.51224 | 0.93814 |
| 2.07454 | 1.33936 | 5.78236 | 2.03500 | 1.39936 | 0.10372 | 0.95908 | 3.61018 | 1.17760 | 5.48110 |
| 1.21030 | 3.78706 | 2.30752 | 4.46176 | 0.18784 | 2.67502 | 0.18010 | 0.30586 | 0.85420 | 2.79004 |
| 5.43328 | 4.33996 | 6.03304 | 1.42936 | 2.03332 | 4.88668 | 2.40160 | 4.79224 | 1.27930 | 5.68678 |
| 3.24352 | 3.22804 | 5.16154 | 5.94868 | 2.20612 | 2.28754 | 1.27138 | 1.93174 | 5.88634 | 1.68946 |
| 0.74812 | 1.72516 | 2.11474 | 3.94108 | 5.67454 | 4.82668 | 4.03888 | 5.54794 | 5.85418 | 4.06408 |
| 1.87168 | 0.62050 | 1.71376 | 3.24424 | 3.26290 | 4.23484 | 0.53296 | 4.45528 | 4.51744 | 4.44412 |
| 3.80044 | 0.16912 | 6.09958 | 4.38868 | 3.80344 | 1.19848 | 1.17004 | 1.17172 | 0.37240 | 1.81198 |
| 2.00848 | 3.13882 | 4.95424 | 4.85422 | 5.14078 | 2.59702 | 0.88810 | 1.83604 | 0.21754 | 2.34778 |
| 3.15160 | 0.68506 | 2.98336 | 1.62460 | 0.83896 | 2.45788 | 1.34152 | 1.55722 | 4.67602 | 2.47720 |
| 6.06682 | 2.01586 | 1.03162 | 3.49174 | 3.29734 | 5.84986 | 5.38360 | 5.34892 | 4.02508 | 3.57148 |
| 3.10180 | 4.89724 | 1.98040 | 2.19358 | 4.78906 | 6.03904 | 1.09852 | 1.49374 | 5.31676 | 3.60034 |
| 4.92538 | 3.80140 | 2.85154 | 3.36118 | 3.42166 | 3.86650 | 3.37708 | 6.03988 | 3.09022 | 5.24374 |
| 3.84316 | 0.57010 | 1.16368 | 4.77148 | 1.60462 | 1.53160 | 5.10202 | 1.27390 | 3.45700 | 5.35168 |
| 1.82686 | 0.32992 | 5.32156 | 2.65498 | 5.53840 |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5.99054 | 8.21068 | 8.29752 | 3.25086 | 8.02166 | 7.52643 | 2.88738 | 6.81390 | 5.44012 | 3.01913 |
| 6.05931 | 3.95117 | 7.67268 | 3.16291 | 4.54228 | 5.19436 | 4.42853 | 4.57575 | 8.16635 | 2.94503 |
| 7.02866 | 1.88878 | 3.63975 | 7.39344 | 8.05735 | 6.62832 | 4.24256 | 3.00347 | 2.75653 | 6.62345 |
| 2.64876 | 3.01484 | 2.43381 | 7.88529 | 1.85368 | 2.56894 | 5.17447 | 6.06672 | 4.18569 | 2.89778 |
| 8.03837 | 4.16333 | 7.19616 | 5.21015 | 6.96671 | 3.15258 | 2.33072 | 2.53963 | 2.20507 | 8.02413 |
| 3.77027 | 5.02113 | 3.22720 | 3.11910 | 4.16352 | 3.35713 | 5.50298 | 5.02016 | 2.69017 | 3.56026 |
| 4.11594 | 2.49010 | 6.30202 | 5.17031 | 3.48232 | 3.94506 | 4.39993 | 4.69873 | 4.92259 | 4.05731 |
| 8.00171 | 4.72824 | 7.90791 | 6.35123 | 1.82424 | 7.09405 | 6.48597 | 6.37177 | 5.89441 | 6.92212 |
| 3.76403 | 7.48268 | 4.46311 | 5.80919 | 1.82411 | 3.05625 | 4.45095 | 6.28694 | 3.60381 | 8.22921 |
| 6.75046 | 6.97061 | 6.01017 | 3.54511 | 2.08567 | 3.13841 | 7.26682 | 5.19384 | 4.45258 | 4.06167 |
| 4.27136 | 3.64287 | 3.50423 | 8.03700 | 5.61237 | 6.88098 | 6.45848 | 7.19356 | 4.94599 | 3.21589 |
| 5.32780 | 2.59689 | 7.44628 | 5.09582 | 4.07688 | 5.57526 | 7.26565 | 5.12169 | 4.44640 | 6.62091 |
| 7.28703 | 4.40981 | 5.55387 | 4.96458 | 5.63337 | 5.98151 | 8.03401 | 7.11309 | 5.02107 | 5.64396 |
| 6.73817 | 4.09963 | 8.07490 | 2.29627 | 6.93727 | 5.13846 | 2.70213 | 5.95746 | 7.89465 | 4.43470 |
| 3.99842 | 6.60947 | 6.61363 | 6.62579 | 4.49034 | 2.24258 | 2.40430 | 3.67524 | 5.09257 | 5.89129 |
| 2.76654 | 2.95946 | 5.78573 | 8.22940 | 3.52932 | 7.99898 | 7.27709 | 4.20434 | 2.17127 | 5.19878 |
| 7.35372 | 5.40658 | 5.60919 | 2.38441 | 6.78218 | 3.91054 | 8.16752 | 7.34384 | 3.37592 | 5.07352 |
| 1.98427 | 2.67041 | 6.06165 | 6.04443 | 8.19775 | 7.42308 | 3.33932 | 7.11836 | 7.46494 | 6.93603 |

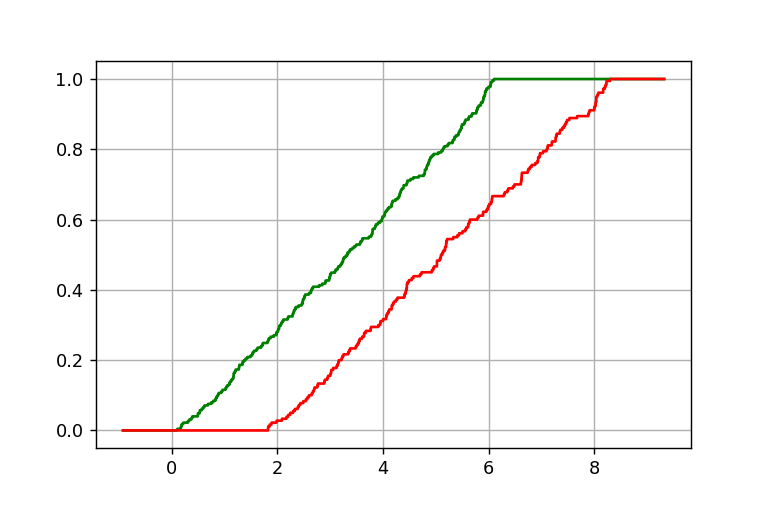
Упорядоченная выборка:

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|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.10372 | 0.16912 | 0.18010 | 0.18784 | 0.21754 | 0.30586 | 0.32992 | 0.37240 | 0.38986 | 0.49498 |
| 0.49612 | 0.52954 | 0.53296 | 0.57010 | 0.59668 | 0.62050 | 0.68506 | 0.74812 | 0.78484 | 0.82522 |
| 0.83896 | 0.85420 | 0.87382 | 0.88810 | 0.93814 | 0.95908 | 1.01638 | 1.03162 | 1.05436 | 1.08742 |
| 1.09852 | 1.11922 | 1.14088 | 1.16368 | 1.17004 | 1.17172 | 1.17760 | 1.19848 | 1.21030 | 1.27138 |
| 1.27390 | 1.27930 | 1.33936 | 1.34152 | 1.36768 | 1.39936 | 1.42936 | 1.49374 | 1.52398 | 1.53160 |
| 1.55722 | 1.60462 | 1.62460 | 1.68946 | 1.71376 | 1.72516 | 1.81198 | 1.82686 | 1.83604 | 1.87168 |
| 1.93174 | 1.98040 | 1.98514 | 2.00848 | 2.01586 | 2.03332 | 2.03500 | 2.06416 | 2.07454 | 2.09272 |
| 2.11474 | 2.19358 | 2.20612 | 2.28754 | 2.29270 | 2.30752 | 2.31490 | 2.33446 | 2.34778 | 2.40160 |
| 2.45788 | 2.47720 | 2.48062 | 2.48494 | 2.50318 | 2.51224 | 2.52532 | 2.59702 | 2.63464 | 2.63944 |
| 2.65498 | 2.67502 | 2.79004 | 2.85154 | 2.90710 | 2.91190 | 2.97988 | 2.98336 | 2.99590 | 2.99866 |
| 3.01468 | 3.09022 | 3.10180 | 3.13882 | 3.15160 | 3.18976 | 3.20950 | 3.22804 | 3.24352 | 3.24424 |
| 3.26290 | 3.29734 | 3.32386 | 3.32800 | 3.36118 | 3.37708 | 3.42166 | 3.45700 | 3.49174 | 3.56350 |
| 3.57148 | 3.60034 | 3.61018 | 3.72838 | 3.77314 | 3.78706 | 3.80044 | 3.80140 | 3.80344 | 3.84316 |
| 3.85360 | 3.86650 | 3.90286 | 3.94108 | 3.97648 | 3.98080 | 3.99022 | 4.02508 | 4.03246 | 4.03888 |
| 4.06408 | 4.08688 | 4.11088 | 4.15594 | 4.16296 | 4.17046 | 4.17952 | 4.23484 | 4.27534 | 4.30144 |
| 4.31086 | 4.31812 | 4.33204 | 4.33996 | 4.35748 | 4.38838 | 4.38868 | 4.44412 | 4.45528 | 4.46176 |
| 4.51744 | 4.57180 | 4.67602 | 4.77148 | 4.78906 | 4.79224 | 4.79428 | 4.81978 | 4.82668 | 4.83544 |
| 4.85422 | 4.86634 | 4.87192 | 4.88668 | 4.89724 | 4.92538 | 4.95424 | 5.04448 | 5.10202 | 5.12908 |
| 5.14078 | 5.16154 | 5.22262 | 5.24374 | 5.31676 | 5.32156 | 5.34892 | 5.35168 | 5.38360 | 5.42752 |
| 5.43328 | 5.44888 | 5.46724 | 5.48110 | 5.48848 | 5.49532 | 5.53840 | 5.54794 | 5.56102 | 5.61922 |
| 5.62390 | 5.67454 | 5.68678 | 5.76352 | 5.76826 | 5.78236 | 5.78992 | 5.81002 | 5.84986 | 5.85418 |
| 5.88634 | 5.89408 | 5.90020 | 5.90710 | 5.92648 | 5.93128 | 5.93236 | 5.94868 | 5.95954 | 5.99356 |
| 6.03304 | 6.03904 | 6.03988 | 6.06682 | 6.09958 |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.82411 | 1.82424 | 1.85368 | 1.88878 | 1.98427 | 2.08567 | 2.17127 | 2.20507 | 2.24258 | 2.29627 |
| 2.33072 | 2.38441 | 2.40430 | 2.43381 | 2.49010 | 2.53963 | 2.56894 | 2.59689 | 2.64876 | 2.67041 |
| 2.69017 | 2.70213 | 2.75653 | 2.76654 | 2.88738 | 2.89778 | 2.94503 | 2.95946 | 3.00347 | 3.01484 |
| 3.01913 | 3.05625 | 3.11910 | 3.13841 | 3.15258 | 3.16291 | 3.21589 | 3.22720 | 3.25086 | 3.33932 |
| 3.35713 | 3.37592 | 3.48232 | 3.50423 | 3.52932 | 3.54511 | 3.56026 | 3.60381 | 3.63975 | 3.64287 |
| 3.67524 | 3.76403 | 3.77027 | 3.91054 | 3.94506 | 3.95117 | 3.99842 | 4.05731 | 4.06167 | 4.07688 |
| 4.09963 | 4.11594 | 4.16333 | 4.16352 | 4.18569 | 4.20434 | 4.24256 | 4.27136 | 4.39993 | 4.40981 |
| 4.42853 | 4.43470 | 4.44640 | 4.45095 | 4.45258 | 4.46311 | 4.49034 | 4.54228 | 4.57575 | 4.69873 |
| 4.72824 | 4.92259 | 4.94599 | 4.96458 | 5.02016 | 5.02107 | 5.02113 | 5.07352 | 5.09257 | 5.09582 |
| 5.12169 | 5.13846 | 5.17031 | 5.17447 | 5.19384 | 5.19436 | 5.19878 | 5.21015 | 5.32780 | 5.40658 |
| 5.44012 | 5.50298 | 5.55387 | 5.57526 | 5.60919 | 5.61237 | 5.63337 | 5.64396 | 5.78573 | 5.80919 |
| 5.89129 | 5.89441 | 5.95746 | 5.98151 | 5.99054 | 6.01017 | 6.04443 | 6.05931 | 6.06165 | 6.06672 |
| 6.28694 | 6.30202 | 6.35123 | 6.37177 | 6.45848 | 6.48597 | 6.60947 | 6.61363 | 6.62091 | 6.62345 |
| 6.62579 | 6.62832 | 6.73817 | 6.75046 | 6.78218 | 6.81390 | 6.88098 | 6.92212 | 6.93603 | 6.93727 |
| 6.96671 | 6.97061 | 7.02866 | 7.09405 | 7.11309 | 7.11836 | 7.19356 | 7.19616 | 7.26565 | 7.26682 |
| 7.27709 | 7.28703 | 7.34384 | 7.35372 | 7.39344 | 7.42308 | 7.44628 | 7.46494 | 7.48268 | 7.52643 |
| 7.67268 | 7.88529 | 7.89465 | 7.90791 | 7.99898 | 8.00171 | 8.02166 | 8.02413 | 8.03401 | 8.03700 |
| 8.03837 | 8.05735 | 8.07490 | 8.16635 | 8.16752 | 8.19775 | 8.21068 | 8.22921 | 8.22940 | 8.29752 |



|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N | M | D\_N,M | K\_N,M | x^\* | F\_N (x^\*) | F\_N (x^\* - 0) | F\_M (x^\*) | F\_M (x^\* - 0) |
| 225 | 180 | 0.34667 | 3.46667 | 5.94868 | 0.96889 | 0.96444 | 0.62222 | 0.62222 |

При втором способе проверки гипотезы о соответствии выборки равномерному распределению с помощью критерия Колмогорова значение функции: pval = 0.00000

Анализ результатов и выводы

Таблица критических значений:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| alpha | 0.01 | 0.02 | 0.05 | 0.1 | 0.2 |
| k\_alpha | 1.63 | 1.57 | 1.36 | 1.22 | 1.07 |

Задание 1)

|  |  |  |  |
| --- | --- | --- | --- |
| D\_N sqrt{N} | alpha | k\_alpha | Верность гипотезы |
| 0.91618 | 0.05 | 1.36 | Да |

|  |  |  |
| --- | --- | --- |
| alpha | pval | Верность гипотезы |
| 0.05000 | 0.35840 | Да |

Гипотеза о соответствии выборки равномерному распределению на отрезке [a, b] не противоречит экспериментальным данным (может быть принята) при уровне значимости alpha = 0,05.

Задание 2)

|  |  |  |  |
| --- | --- | --- | --- |
| K\_N,M | alpha | k\_alpha | Верность гипотезы |
| 0.05000 | 0.35840 | Да | 0.05000 |

|  |  |  |
| --- | --- | --- |
| alpha | pval | Верность гипотезы |
| 0.05 | 0.00000 | Нет |

Гипотеза об одинаковом распределении двух случайных выборок противоречит экспериментальным данным (не может быть принята) при уровне значимости alpha = 0,05.