Результаты расчетов

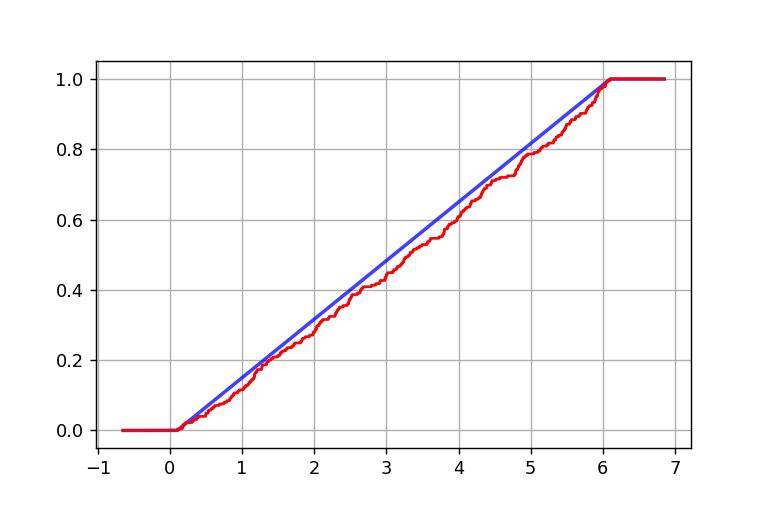
Задание 1)

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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|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.45028 | 3.67544 | 0.99338 | 0.68942 | 3.77204 | 0.95696 | 5.69132 | 2.06816 | 4.84250 | 3.48920 |
| 1.37864 | 4.82846 | 0.30458 | 1.81586 | 0.23426 | 0.22784 | 1.00280 | 2.72180 | 0.31778 | 3.74090 |
| 5.51726 | 3.97742 | 4.89818 | 3.08882 | 4.89188 | 1.30232 | 1.86506 | 2.21042 | 5.53082 | 5.29076 |
| 4.22588 | 1.07132 | 0.44462 | 2.20448 | 1.00220 | 1.13900 | 3.04820 | 0.26750 | 4.98080 | 2.13080 |
| 0.27560 | 3.76202 | 1.00880 | 5.41478 | 4.74554 | 5.75366 | 6.06098 | 4.30694 | 3.34646 | 1.28078 |
| 5.75636 | 0.49358 | 5.30564 | 3.80342 | 1.94120 | 5.47946 | 4.25822 | 5.25854 | 2.12486 | 3.29726 |
| 4.58864 | 3.85706 | 5.67398 | 0.14984 | 2.84372 | 1.43900 | 4.68602 | 2.31770 | 3.74504 | 5.67782 |
| 1.51316 | 3.41618 | 0.11930 | 5.13320 | 4.51922 | 2.64836 | 1.66214 | 2.03138 | 2.21456 | 2.34980 |
| 0.68270 | 5.88158 | 0.15140 | 5.86022 | 5.14712 | 1.80008 | 2.27576 | 4.01990 | 1.32638 | 0.71672 |
| 2.55206 | 0.25148 | 0.14522 | 1.72466 | 3.14204 | 1.56752 | 4.66730 | 3.98846 | 5.46518 | 5.34134 |
| 5.48198 | 5.50676 | 2.52806 | 3.03446 | 2.32394 | 3.19352 | 5.81996 | 1.81130 | 4.42898 | 3.91400 |
| 5.94236 | 3.11930 | 4.65782 | 5.45900 | 6.02174 | 5.22014 | 5.03576 | 3.94484 | 4.07660 | 4.79720 |
| 2.36858 | 0.62888 | 3.81800 | 1.11050 | 3.76742 | 0.45182 | 0.84812 | 1.96520 | 2.34380 | 3.55958 |
| 2.33846 | 4.88660 | 5.28806 | 3.69542 | 1.81184 | 2.08820 | 1.97876 | 0.16796 | 2.54378 | 3.02720 |
| 3.69500 | 0.43304 | 3.77684 | 4.59662 | 0.29102 | 4.46696 | 2.29976 | 3.48026 | 1.20398 | 6.04850 |
| 5.09870 | 5.10056 | 0.45296 | 0.82772 | 0.26846 | 3.61586 | 5.77616 | 5.85794 | 5.43236 | 5.28770 |
| 4.08566 | 3.64766 | 5.09720 | 5.79566 | 1.38968 | 5.72594 | 4.97660 | 0.24872 | 2.40164 | 4.07234 |
| 4.73318 | 1.52918 | 3.45482 | 2.49140 | 2.61662 | 0.72896 | 3.73388 | 3.41090 | 4.09646 | 2.23220 |

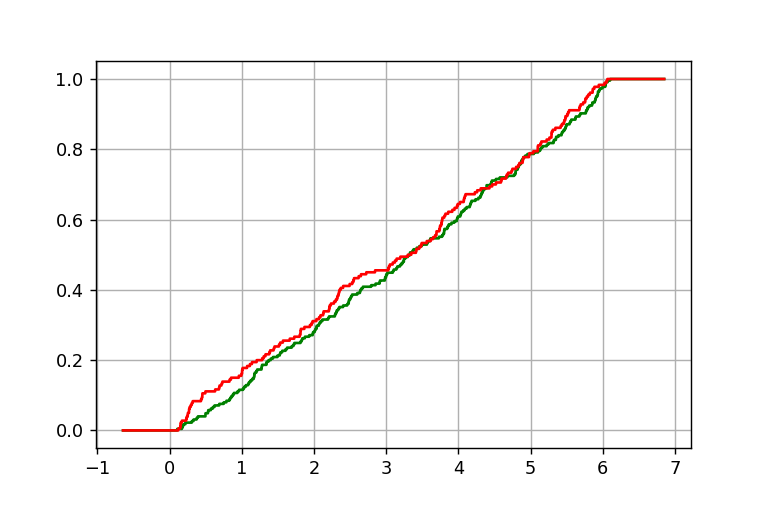
Упорядоченная выборка:

X

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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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|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.11930 | 0.14522 | 0.14984 | 0.15140 | 0.16796 | 0.22784 | 0.23426 | 0.24872 | 0.25148 | 0.26750 |
| 0.26846 | 0.27560 | 0.29102 | 0.30458 | 0.31778 | 0.43304 | 0.44462 | 0.45182 | 0.45296 | 0.49358 |
| 0.62888 | 0.68270 | 0.68942 | 0.71672 | 0.72896 | 0.82772 | 0.84812 | 0.95696 | 0.99338 | 1.00220 |
| 1.00280 | 1.00880 | 1.07132 | 1.11050 | 1.13900 | 1.20398 | 1.28078 | 1.30232 | 1.32638 | 1.37864 |
| 1.38968 | 1.43900 | 1.45028 | 1.51316 | 1.52918 | 1.56752 | 1.66214 | 1.72466 | 1.80008 | 1.81130 |
| 1.81184 | 1.81586 | 1.86506 | 1.94120 | 1.96520 | 1.97876 | 2.03138 | 2.06816 | 2.08820 | 2.12486 |
| 2.13080 | 2.20448 | 2.21042 | 2.21456 | 2.23220 | 2.27576 | 2.29976 | 2.31770 | 2.32394 | 2.33846 |
| 2.34380 | 2.34980 | 2.36858 | 2.40164 | 2.49140 | 2.52806 | 2.54378 | 2.55206 | 2.61662 | 2.64836 |
| 2.72180 | 2.84372 | 3.02720 | 3.03446 | 3.04820 | 3.08882 | 3.11930 | 3.14204 | 3.19352 | 3.29726 |
| 3.34646 | 3.41090 | 3.41618 | 3.45482 | 3.48026 | 3.48920 | 3.55958 | 3.61586 | 3.64766 | 3.67544 |
| 3.69500 | 3.69542 | 3.73388 | 3.74090 | 3.74504 | 3.76202 | 3.76742 | 3.77204 | 3.77684 | 3.80342 |
| 3.81800 | 3.85706 | 3.91400 | 3.94484 | 3.97742 | 3.98846 | 4.01990 | 4.07234 | 4.07660 | 4.08566 |
| 4.09646 | 4.22588 | 4.25822 | 4.30694 | 4.42898 | 4.46696 | 4.51922 | 4.58864 | 4.59662 | 4.65782 |
| 4.66730 | 4.68602 | 4.73318 | 4.74554 | 4.79720 | 4.82846 | 4.84250 | 4.88660 | 4.89188 | 4.89818 |
| 4.97660 | 4.98080 | 5.03576 | 5.09720 | 5.09870 | 5.10056 | 5.13320 | 5.14712 | 5.22014 | 5.25854 |
| 5.28770 | 5.28806 | 5.29076 | 5.30564 | 5.34134 | 5.41478 | 5.43236 | 5.45900 | 5.46518 | 5.47946 |
| 5.48198 | 5.50676 | 5.51726 | 5.53082 | 5.67398 | 5.67782 | 5.69132 | 5.72594 | 5.75366 | 5.75636 |
| 5.77616 | 5.79566 | 5.81996 | 5.85794 | 5.86022 | 5.88158 | 5.94236 | 6.02174 | 6.04850 | 6.06098 |



|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 0.07111 | 0.71111 | 0.49498 | 0.04444 | 0.04000 | 0.11111 | 0.11111 |

При втором способе проверки гипотезы о соответствии выборки равномерному распределению с помощью критерия Колмогорова значение функции: pval = 0.66656

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 |
| 0.71111 | 0.05 | 1.36 | Да |

|  |  |  |
| --- | --- | --- |
| alpha | pval | Верность гипотезы |
| 0.05 | 0.66656 | Да |

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