

Метод квадратного кореня

Виконав: Кріпака Ілля ФІ-94

Варіант 2

2	1,00	0,42	0,54	0,66	0,3
	0,42	1,00	0,32	0,44	0,5
	0,54	0,32	1,00	0,22	0,7
	0,66	0,44	0,22	1,00	0,9

L:

[1.0, 0.0, 0.0, 0.0]

[0.42, 0.9075241043630742, 0.0, 0.0]

[0.54, 0.10269699675405357, 0.8353761588995091, 0.0]

[0.66, 0.1793891745875528, -0.18533295190550747, 0.7055999014872291]

Lt:

[1.0, 0.42, 0.54, 0.66]

[0.0, 0.9075241043630742, 0.10269699675405357, 0.1793891745875528]

[0.0, 0.0, 0.8353761588995091, -0.18533295190550747]

[0.0, 0.0, 0.0, 0.7055999014872291]

Y:

[0.3]

[0.41211026594437805]

[0.5933584626223755]

[1.0459762726914976]

X:

[-1.2577937468862757]

[0.043487304391001576]

[1.0391662515033941]

[1.4823928836821545]

|Ax - B|:

[5.551115123125783E-17]

[0.0]

[2.220446049250313E-16]

[0.0]

Вариант 6

6	5,5	7,0	6,0	5,5	23
	7,0	10,5	8,0	7,0	32
	6,0	8,0	10,5	9	33
	5,5	7	9	10,5	31

L:

[2.345207879911715, 0.0, 0.0, 0.0]
 [2.9848100289785457, 1.2613124477737836, 0.0, 0.0]
 [2.5584085962673253, 0.28829998806257906, 1.9675946156229873, 0.0]
 [2.345207879911715, 7.041700264417116E-16, 1.5247043146893995, 1.635627326981158]

Lt:

[2.345207879911715, 2.9848100289785457, 2.5584085962673253, 2.345207879911715]
 [0.0, 1.2613124477737836, 0.28829998806257906, 7.041700264417116E-16]
 [0.0, 0.0, 1.9675946156229873, 1.5247043146893995]
 [0.0, 0.0, 0.0, 1.635627326981158]

Y:

[9.80723295235808]
 [2.162249910469345]
 [3.702853335674256]
 [1.4393520477434203]

X:

[0.15999999999999848]
 [1.4400000000000001]
 [1.1999999999999993]
 [0.8800000000000007]

|Ax - B|:

[0.0]
 [0.0]
 [0.0]
 [0.0]