Варианты к практической работе №1

№ варианта	Нелинейное уравнение	Система нелинейных уравнений
1	$7.6\sin(2.1x+4)=6.5x^2-0.5x-14.6$	$\begin{cases} 4x+8e^{0.4y}=3y+5e^{-0.3x}+3 \\ 5x^6+3y^6=555-502x-764y \end{cases}$
2	${7.4\sin(4x+1.1)=5.6x^2-12x-8.2}$	$\begin{cases} 8x+9e^{-0.7y}=7e^{-0.3x}-4y+2 \\ 6x^6+4y^4=788+639x+251y \end{cases}$
3	${5.6x^2-5x-8.1=6.1\sin(3.1x+2.1)}$	$\begin{cases} 4x^6+2y^4=916+647x+299y \\ 4e^{0.6y}-3x=8y+5e^{0.8x}-1 \end{cases}$
4	${8.6\cos(1.4x+0.5)=3.3x^2-10.3x-2.3}$	$\begin{cases} 8e^{-0.8y}-7x=2y+6e^{-0.2x}+2 \\ 5x^4+4y^4=956-296x+337y \end{cases}$
5	${7.7x^2-2.5x-15.1=9.2\sin(2.7x+3.8)}$	$\begin{cases} 9e^{-0.2y}-4x=2e^{-0.7x}-6y+7 \\ 3x^6+4y^6=685-426x+704y \end{cases}$
6	${2.4\cos(5.8x+2)=5.7x^2-3.7x-3}$	$\begin{cases} 4x^6+3y^6=958+795x+407y \\ 5x-2e^{-0.7y}=7e^{-0.9x}-4y-9 \end{cases}$
7	${3.1\sin(6.3x+2.1)=8.6x^2-9.1x-3.3}$	$\begin{cases} 2x^6+5y^4=915-519x+312y \\ 4x+2e^{0.4y}=8y-7e^{0.8x}+9 \end{cases}$
8	${5x^2-11.4x+0.3=5.4\sin(2.9x-4.5)}$	$\begin{cases} 3x+5e^{0.9y}=6e^{0.7x}-8y-1 \\ 6x^4+3y^4=739+342x+240y \end{cases}$
9	${3.3x^2-3.1x-12.5=9.1\cos(2.3x+6.6)}$	$\begin{cases} 4x-3e^{0.8y}=5y-8e^{-0.5x}+5 \\ 5x^4+7y^4=972-397x-302y \end{cases}$
10	${5.8x^2-8.7x+0.3=2.2\sin(3.4x+1.8)}$	$\begin{cases} 5x^4+2y^4=802+228x-378y \\ 2e^{0.7y}-9x=3e^{-0.9x}-6y-1 \end{cases}$
11	${2.7x^2-5.5x-4.8=4.7\sin(3.4x+2.4)}$	$\begin{cases} 2x+8e^{0.2y}=4y+7e^{0.9x}+1 \\ 3x^4+6y^4=729-252x-392y \end{cases}$
12	${5.6\cos(4.8x-3.4)=8.5x^2-7.4x-7.4}$	$\begin{cases} 8x+7e^{-0.9y}=3y-6e^{0.3x}+13 \\ 3x^6+4y^6=856-794x+543y \end{cases}$
13	${4.9x^2-5.6x-11=6.3\cos(2.4x-6)}$	$\begin{cases} 7x-3e^{-0.8y}=6y+8e^{-0.9x}-11 \\ 3x^6+4y^4=647-448x-279y \end{cases}$
14	${1.8x^2-10.6x-0.6=9\cos(1.2x+6.7)}$	$\begin{cases} 4x^4+6y^4=754+282x+359y \\ 3e^{0.7y}-6x=5y+7e^{0.5x}-4 \end{cases}$

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15	${7.4\sin(2.7x-0.9)=7.4x^2-4.8x-11.4}$	$\begin{cases} 8x+5e^{-0.2y}=3y+6e^{0.8x}-1 \\ 7x^6+6y^4=647-540x+345y \end{cases}$
16	${-5.6x^2-1.1x+14=7.6\sin(3.3x+6.7)}$	$\begin{cases} 7x^4+6y^6=559+398x+671y \\ 5x-7e^{0.8y}=6e^{-0.9x}-4y-13 \end{cases}$
17	${6.9x^2-6.4x-11.7=8.5\cos(3.3x+0.6)}$	$\begin{cases} 9x-6e^{-0.9y}=7y-5e^{0.6x}-1 \\ 2x^4+3y^6=985+212x-444y \end{cases}$
18	${7.8\sin(2.4x+4.3)=6.9x^2-3.7x-14.2}$	$\begin{cases} 5x^6+6y^4=907+711x-259y \\ 5x+6e^{-0.6y}=8y-7e^{-0.8x}+13 \end{cases}$
19	${8.2x^2-8.3x-9.6=8.5\cos(3.8x+0.5)}$	$\begin{cases} 3x^4+6y^6=589+241x+521y \\ 6x+4e^{-0.9y}=7e^{-0.4x}-9y-3 \end{cases}$
20	${0.8\sin(7x+3.5)=5.8x^2-3x-0.7}$	$\begin{cases} 8x+6e^{0.6y}=4y+5e^{0.4x}+1 \\ 2x^6+4y^4=773+510x-365y \end{cases}$
21	${2.4x^2-0.2x-5.9=3.5\cos(3.3x+1.7)}$	$\begin{cases} 7x+8e^{0.6y}=4y+6e^{-0.8x}+2 \\ 3x^6+4y^6=884+615x-787y \end{cases}$
22	${2.9\sin(4.3x-5.4)=4x^2-4.6x-4}$	$\begin{cases} 2x^6+3y^4=985+424x-223y \\ 8x+9e^{0.7y}=3y+2e^{-0.6x}+7 \end{cases}$
23	${8.4x^2-2.8x-8=4.2\sin(3.8x-2.9)}$	$\begin{cases} 8x+3e^{0.6y}=7y+6e^{-0.4x}-3 \\ 5x^6+4y^6=837+785x+760y \end{cases}$
24	${4.8\sin(6.4x+3.5)=8.1x^2-3.1x-8.9}$	$\begin{cases} 7x^4+6y^6=572+305x-596y \\ 7x-3e^{-0.7y}=5e^{0.6x}-6y-8 \end{cases}$
25	${4x^2-10.6x+0.9=5.2\sin(2.4x-4.6)}$	$\begin{cases} 5x^4+4y^6=729+368x+621y \\ 7x+5e^{-0.3y}=2y+8e^{0.4x}-3 \end{cases}$
26	${4.2\cos(4.2x-5.1)=8.1x^2-3.3x-5.2}$	$\begin{cases} 7x-3e^{0.3y}=8y-4e^{-0.8x}+1 \\ 4x^4+6y^6=756+366x-429y \end{cases}$
27	${7.1x^2-13.5x-5.2=8.3\cos(2x-4.8)}$	$\begin{cases} 2x^6+3y^6=985+424x-444y \\ 7x+2e^{0.4y}=8e^{0.5x}-4y-6 \end{cases}$
28	${8.8\cos(2.6x-0.9)=2.9x^2-11.3x-5.1}$	$\begin{cases} 7x^6+4y^6=873-485x-507y \\ 9e^{0.6y}-2x=4y-6e^{-0.4x}+15 \end{cases}$
29	${8.3x^2-4.5x-5.3=3.1\cos(6.4x+0.6)}$	$\begin{cases} 5x^4+4y^6=907+334x+667y \\ 7x-5e^{0.5y}=2y-6e^{-0.7x}+1 \end{cases}$

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30	${8.3\sin(2.1x-4)=5.1x^2-9.9x-9.6}$	$\begin{cases} 5x^4+7y^6=972-397x-602y \\ 8x-9e^{0.4y}=7y+5e^{0.8x}-14 \end{cases}$
31	${5.1\cos(3.9x+0.6)=2.9x^2-4.3x-7.3}$	$\begin{cases} 5x^6+6y^6=894-706x+564y \\ 4x-5e^{0.3y}=6e^{0.7x}-8y-11 \end{cases}$
32	${7.3\cos(1.7x-6.3)=2.2x^2-8.8x-4.7}$	$\begin{cases} 3x^4+6y^6=868-251x-453y \\ 4x-6e^{-0.9y}=8y+2e^{-0.4x}-8 \end{cases}$
33	${4.3\cos(3.8x+1.1)=6.4x^2-7x-3.9}$	$\begin{cases} 6x^4+4y^4=559-362x+299y \\ 3x+7e^{-0.3y}=9e^{0.9x}-6y-2 \end{cases}$
34	${8.6\sin(2.5x+3.1)=7.6x^2-5.9x-10.9}$	$\begin{cases} 5x^6+7y^6=972-793x-602y \\ 3x-2e^{-0.4y}=4y+7e^{0.9x}-9 \end{cases}$
35	${5.6\cos(1.9x-6.1)=4.2x^2-13.5x+0.4}$	$\begin{cases} 3x^6+6y^4=643-666x-279y \\ 7e^{0.5y}-5x=3y+8e^{-0.3x}-1 \end{cases}$
36	${5.7x^2-2.5x-3.4=2.5\sin(7.2x+3.2)}$	$\begin{cases} 5x^4+4y^4=961-224x-327y \\ 5e^{0.8y}-9x=3y+4e^{-0.3x}+1 \end{cases}$
37	${9\sin(1.2x+6.7)=1.8x^2-10.6x-0.6}$	$\begin{cases} 3x^4+5y^4=855-249x-281y \\ 7e^{0.4y}-3x=2y+4e^{0.5x}+3 \end{cases}$
38	${8.3x^2-11x-4.8=4.5\sin(5.7x-4.6)}$	$\begin{cases} 6x^6+3y^6=739+683x+479y \\ 2x+7e^{0.2y}=3y-4e^{-0.4x}+11 \end{cases}$
39	${2.4x^2-5.7x-6.6=6.1\sin(2.6x+6.4)}$	$\begin{cases} 3x+2e^{-0.3y}=4y-9e^{0.7x}+11 \\ 3x^4+5y^4=783-343x-355y \end{cases}$
40	${2.1x^2-4.2x-0.5=2\sin(3.4x-5.5)}$	$\begin{cases} 5x^4+3y^6=907-302x-658y \\ 7x-2e^{-0.7y}=4y-9e^{0.3x}+7 \end{cases}$
41	${-4.6x^2+4.6x+1.8=2.3\cos(3.7x-2.4)}$	$\begin{cases} 3x+7e^{-0.4y}=6y-9e^{0.5x}+16 \\ 5x^6+7y^4=972-793x-302y \end{cases}$
42	${5.7\sin(4.8x-3.7)=8.1x^2-x-8.2}$	$\begin{cases} 3x^6+4y^4=722+604x-302y \\ 2x+4e^{-0.4y}=8y+3e^{0.8x}+1 \end{cases}$
43	${3.1x^2-6.5x-1.6=3.1\sin(2.9x-5.8)}$	$\begin{cases} 8x-4e^{0.3y}=7y-3e^{-0.6x}-1 \\ 3x^6+5y^4=948-511x-212y \end{cases}$
44	${3.8x^2-5.6x-3.8=4.7\cos(2.2x-5.2)}$	$\begin{cases} 9e^{-0.7y}-5x=8e^{0.4x}-7y+1 \\ 2x^6+5y^6=981+444x-736y \end{cases}$
45	${4.3x^2-8.7x-4.4=4.9\sin(2.3x+3.1)}$	$\begin{cases} 3x-4e^{0.3y}=8y-9e^{-0.4x}+5 \\ 5x^4+4y^4=856+274x+372y \end{cases}$

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46	${5.7x^2-2.3x-5.2=4.3\cos(4.8x+0.9)}$	$\begin{cases} 5x^6+3y^6=944-670x-684y \\ 8x-7e^{-0.5y}=6y-3e^{-0.2x}-4 \end{cases}$
47	${6.1\cos(2.6x+6.4)=2.4x^2-5.7x-6.6}$	$\begin{cases} 5e^{0.8y}-6x=4y+3e^{0.4x}+2 \\ 2x^4+7y^4=775-360x-302y \end{cases}$
48	${6.8\sin(2x-3.8)=2.9x^2-6.5x-4}$	$\begin{cases} 6x+7e^{0.4y}=8y+2e^{-0.3x}+5 \\ 4x^4+5y^6=983+336x+570y \end{cases}$
49	${2x^2-5.5x-7.7=6.9\sin(2.5x+6.6)}$	$\begin{cases} 6e^{-0.8y}-5x=7e^{0.6x}-3y-1 \\ 5x^4+6y^6=894-354x+564y \end{cases}$
50	${6.4x^2-3.3x-9=5.2\cos(2.9x+1.9)}$	$\begin{cases} 6x+9e^{-0.5y}=4e^{0.2x}-3y+5 \\ 5x^4+6y^6=905-273x+721y \end{cases}$
51	${6.5\cos(4.8x+6.6)=6.9x^2-8.3x-5.2}$	$\begin{cases} 6x^6+5y^6=694+628x+776y \\ 4x-7e^{-0.8y}=8y-6e^{0.7x}-1 \end{cases}$
52	${5.3x^2-12.2x-7.2=8.2\cos(2.5x+0.9)}$	$\begin{cases} 5x^6+4y^4=874+771x+327y \\ 4x-3e^{-0.5y}=5y+2e^{0.2x}-5 \end{cases}$
53	${1\cos(3.6x+1.7)=2.6x^2-1.7x-1}$	$\begin{cases} 6x+5e^{0.7y}=3y+2e^{-0.2x}+3 \\ 5x^4+4y^4=729+368x+311y \end{cases}$
54	${8.9x^2-3.9x-13.4=7.3\cos(3.8x-5.3)}$	$\begin{cases} 3x^6+5y^6=603-693x-495y \\ 4x+9e^{-0.3y}=8y+3e^{0.8x}+6 \end{cases}$
55	${1.6x^2-5.9x-6.5=7.2\cos(1.2x+1)}$	$\begin{cases} 5x^4+4y^6=856+274x+741y \\ 3x+9e^{0.2y}=4y+2e^{0.5x}+7 \end{cases}$
56	${6.3\cos(3.6x+6.3)=8.2x^2-6.7x-9.1}$	$\begin{cases} 4e^{-0.8y}-6x=3y-8e^{-0.5x}+12 \\ 7x^4+2y^4=721+223x-256y \end{cases}$
57	${7.4x^2-8.4x-2.5=3\sin(6.1x+1.8)}$	$\begin{cases} 7e^{-0.9y}-2x=5e^{0.4x}-8y+2 \\ 2x^4+5y^4=981+223x-369y \end{cases}$
58	${2.3\cos(7.8x+2)=6.5x^2-2.3x-3.2}$	$\begin{cases} 6x^6+4y^6=788+639x+501y \\ 6e^{0.5y}-3x=5y+9e^{0.6x}-3 \end{cases}$
59	${6.9\cos(4.1x+1)=6.6x^2-2x-13.6}$	$\begin{cases} 2x^6+7y^4=775-719x-302y \\ 5x+6e^{-0.5y}=8e^{-0.8x}-7y-2 \end{cases}$
60	${4x^2-6.2x-4.8=5.2\cos(4x-5.8)}$	$\begin{cases} 7x+2e^{-0.7y}=3y+6e^{0.6x}-4 \\ 7x^6+6y^6=572+608x-596y \end{cases}$

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