Лабораторная работа №1

Решение нелинейных уравнений с одной неизвестной
(шаг h выбирается произвольно)

№ варианта	уравнение	отрезок
1	$3\cdot\sin\sqrt{x}+0.35\cdot x-3.8=0$	[2 ; 3]
2	$0.25\cdot x^3+x-1.2502=0$	[0 ; 2]
3	$x+\sqrt{x}+\sqrt[3]{x}-2.5=0$	[0.4 ; 1]
4	$x-\dfrac{1}{3+\sin 3.6\cdot x}=0$	[0 ; 0.85]
5	$0.1\cdot x^2-x\cdot\ln x=0$	[1 ; 2]
6	$tgx-\dfrac{1}{3}\cdot tg^3x+\dfrac{1}{5}\cdot tg^5x-\dfrac{1}{3}=0$	[0 ; 0.8]
7	$\arccos x-\sqrt{1-0.3\cdot x^3}=0$	[0 ; 1]
8	$3\cdot x-4\cdot\ln x-5=0$	[2 ; 4]
9	$\cos\dfrac{2}{x}-2\cdot\sin\dfrac{1}{x}+\dfrac{1}{x}=0$	[1 ; 2]
10	$\sqrt{1-0.4\cdot x^2}-\arcsin x=0$	[0 ; 1]
11	$e^x-e^{-x}-2=0$	[0 ; 1]
12	$\sin(\ln x)-\cos(\ln x)+2\cdot\ln x=0$	[0.1 ; 2]
13	$x-2+\sin\dfrac{1}{x}=0$	[1.2 ; 2]
14	$e^x+\ln x-10x=0$	[3 ; 4]
15	$\cos x-e^{\frac{-x^2}{2}}+x-1=0$	[1 ; 2]
16	$1-x+\sin x-\ln(1+x)=0$	[0 ; 1.5]
17	$3\cdot x-14+e^x-e^{-x}=0$	[1 ; 3]
18	$\sqrt{1-x}-tgx=0$	[0 ; 0.9]
19	$x+\cos(x^{0.52}+2)=0$	[0.5 ; 1]
20	$3\cdot\ln^2 x+6\cdot\ln x-5=0$	[1 ; 3]
21	$\sin x^2+\cos x^2-10x=0$	[0 ; 1]
22	$x^2-\ln(1+x)-3=0$	[2 ; 3]
23	$2\cdot x\cdot\sin x^2-\cos x=0$	[0.4 ; 1]
24	$e^x+\sqrt{1+e^{2\cdot x}}-2=0$	[-1 ; 0]
25	$\ln x-x+1.8=0$	[2 ; 3]
26	$x\cdot tgx-\dfrac{1}{3}=0$	[0.2 ; 1]
27	$tg\dfrac{x}{2}-ctg\dfrac{x}{2}+x=0$	[1 ; 2]
28	$0.4+arctg\sqrt{x}-x=0$	[1 ; 2]
29	$\sqrt{1-x}-\cos\sqrt{1-x}=0$	[0 ; 0.9]
30	$3^x\cdot 0.6-2.3\cdot x-3=0$	[2 ; 3]