

$\lg(x+y)$   $x+y$  - в pag. в таблице yk-u в программе.  
 $1/\sin(x+y)$

2							
3	y/x	+8.998e+01	+8.999e+01	+9.000e+01	+9.001e+01	+9.002e+01	
4							
5	-3.600e+02	+1.910e+03	+2.861e+03	+5.730e+03	+8.386e+07	-5.746e+03	
6							
7	-1.800e+02	+1.909e+03	+2.864e+03	+5.725e+03	+6.138e+06	-5.735e+03	
8							
9	+0.0000	+1.909e+03	+2.864e+03	+5.724e+03	+1.325e+07	-5.736e+03	
10							
11	+1.800e+02	+1.910e+03	+2.861e+03	+5.730e+03	-8.386e+07	-5.745e+03	
12							
13	+3.600e+02	+1.909e+03	+2.864e+03	+5.725e+03	+7.191e+06	-5.734e+03	
14							
15	+5.400e+02	+1.909e+03	+2.863e+03	+5.720e+03	+3.447e+06	-5.739e+03	
16							
17	+7.200e+02	+1.907e+03	+2.865e+03	+5.700e+03	-2.795e+07	-5.698e+03	
18							
19	+9.000e+02	+1.904e+03	+2.860e+03	+5.680e+03	+1.689e+06	-5.718e+03	
20							
21	+1.080e+03	+1.909e+03	+2.871e+03	+5.721e+03	-1.455e+06	-5.677e+03	
22							
23	+1.260e+03	+1.907e+03	+2.865e+03	+5.701e+03	-1.677e+07	-5.697e+03	
24							
25							

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6							
7	-1.800e+02	-1.000e+00	-1.000e+00	-1.000e+00	-1.000e+00	-1.000e+00	
8							
9	-1.001e-02	+1.000e+00	+1.000e+00	+1.000e+00	+1.000e+00	+1.000e+00	
10							
11	+1.800e+02	-1.000e+00	-1.000e+00	-1.000e+00	-1.000e+00	-1.000e+00	
12							
13	+3.600e+02	+1.000e+00	+1.000e+00	+1.000e+00	+1.000e+00	+1.000e+00	
14							
15	+5.400e+02	-1.000e+00	-1.000e+00	-1.000e+00	-1.000e+00	-1.000e+00	
16							
17	+7.200e+02	+1.000e+00	+1.000e+00	+1.000e+00	+1.000e+00	+1.000e+00	
18							
19	+9.000e+02	-1.000e+00	-1.000e+00	-1.000e+00	-1.000e+00	-1.000e+00	
20							
21	+1.080e+03	+1.000e+00	+1.000e+00	+1.000e+00	+1.000e+00	+1.000e+00	
22							
23	+1.260e+03	-1.000e+00	-1.000e+00	-1.000e+00	-1.000e+00	-1.000e+00	
24							
25							

$$\lg(x) = x + \frac{x^3}{3} + \frac{2x^5}{15} + \frac{17x^7}{315} + \frac{62x^9}{2835} + \frac{1382x^{11}}{155925} + \frac{21844x^{13}}{6081075} + \dots$$

$$|x| < \frac{\pi}{2}$$

$$x^\circ = 89,99 \Rightarrow x = \frac{89,99 \cdot \pi}{180} \approx 1,571$$

$$\begin{aligned} \lg(1,571) &= 1,571 + 0,3 \cdot (1,571)^3 + 0,13 \cdot (1,571)^5 + 0,05 \cdot (1,571)^7 + \\ &+ 0,02 \cdot (1,571)^9 + 0,008 \cdot (1,571)^{11} + \dots \end{aligned}$$

$$= 1,571 + 1,16 + 1,24 + 1,18 + 1,17 + 1,15 + \dots$$

$$\begin{aligned} \sin(1,571) &= 1,571 - \frac{1,571^3}{3!} + \frac{1,571^5}{5!} - \frac{1,571^7}{7!} + \frac{1,571^9}{9!} - \\ &- \frac{1,571^{11}}{11!} + \dots = 1,571 - 0,64 + 0,079 - 0,005 + 0,0002 - \\ &- 3,5 \cdot 10^{-6} \end{aligned}$$

Don't say something like that is correct.

$$\lg(1,571) = 1,571 + 1,16 + 1,24 + 1,18 + 1,17 + 1,15 + \dots$$

$$\sin(1,571) = 1,571 - 0,64 + 0,079 - 0,005 + 0,0002 - 3,5 \cdot 10^{-6} + \dots$$

только уже  $10^{-6}$ .

2									
3	y/x		+8.998e+01		+8.999e+01		+9.000e+01		+9.001e+01
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5	-3.600e+02		+1.910e+03		+2.861e+03		+5.730e+03		+8.386e+07
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24									
25									

$$x = 1,571$$

$$\cos(1,571) = 1 - \frac{1,571^2}{2} + \frac{1,571^4}{4!} - \frac{1,571^6}{6!} + \frac{1,571^8}{8!} - \frac{1,571^{10}}{10!} = 1 - 1,234 + 0,25 - 0,021 + 0,0009 - 2,5 \cdot 10^{-5} \approx 0,0002$$

$\frac{1,571^{12}}{12!}$

$= 4.7182098877 \times 10^{-7}$

$$\sum_{n=0}^5 (-1)^n \cdot \frac{1,571^{2n}}{(2n)!}$$
 $= -0.000204138691746$

$$\sum_{n=0}^{50} (-1)^n \cdot \frac{1,571^{2n}}{(2n)!}$$
 $= -0.000203673203695$