GNU Octave, version 3.8.2
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Octave was configured for "x86_64-pc-linux-gnu".

Additional information about Octave is available at http://www.octave.org.

Please contribute if you find this software useful.
For more information, visit http://www.octave.org/get-involved.html

Read http://www.octave.org/bugs.html to learn how to submit bug reports.
For information about changes from previous versions, type 'news'.

a = 1.000000
l = 1.000000
T = 0.200000

ε = 0.000100

n = 10
k = 10
hx = 0.100000
ht = 0.020000

Всего демпферов: 1

Демпфер # 1

x_1 = 0.500000

Верхнее предельное значение w_1(t) =
NaN

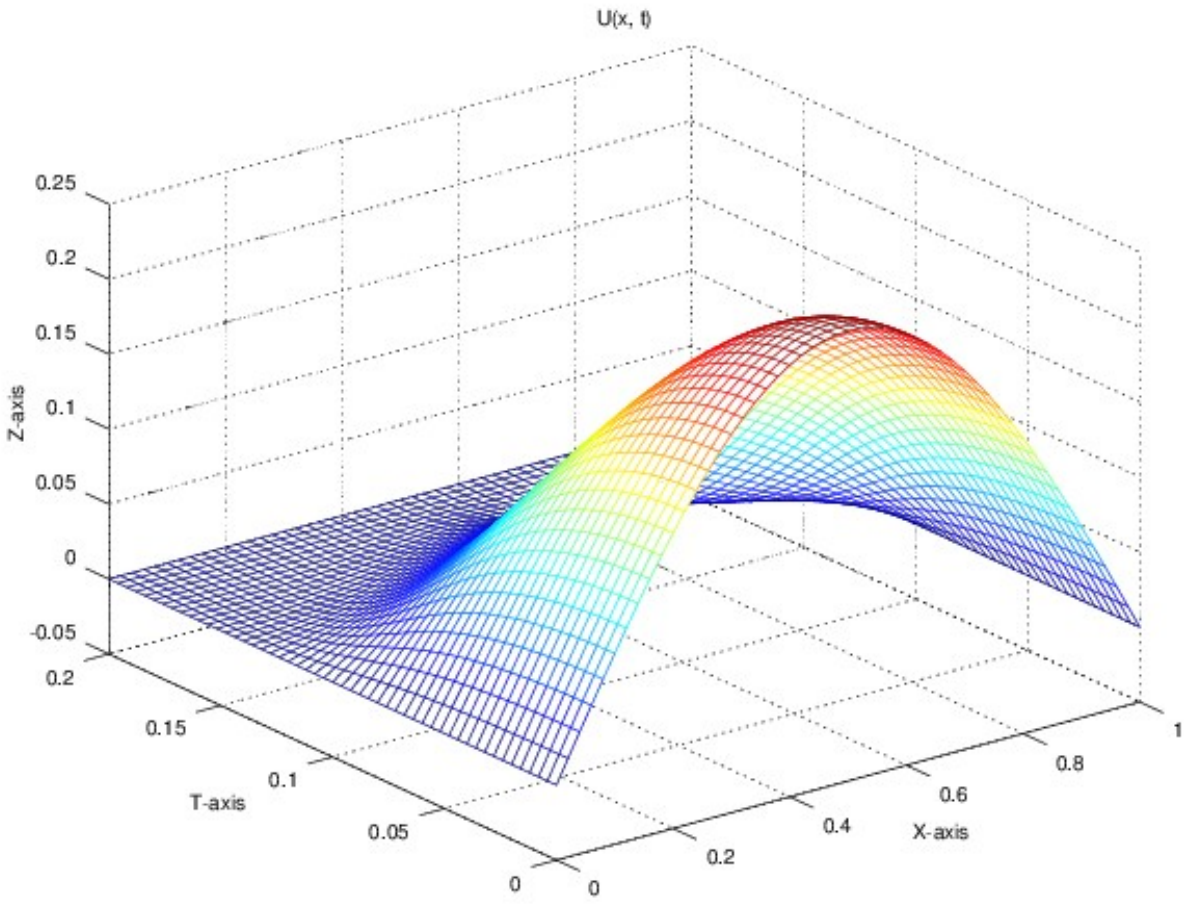
Нижнее предельное значение w_1(t) =
NaN

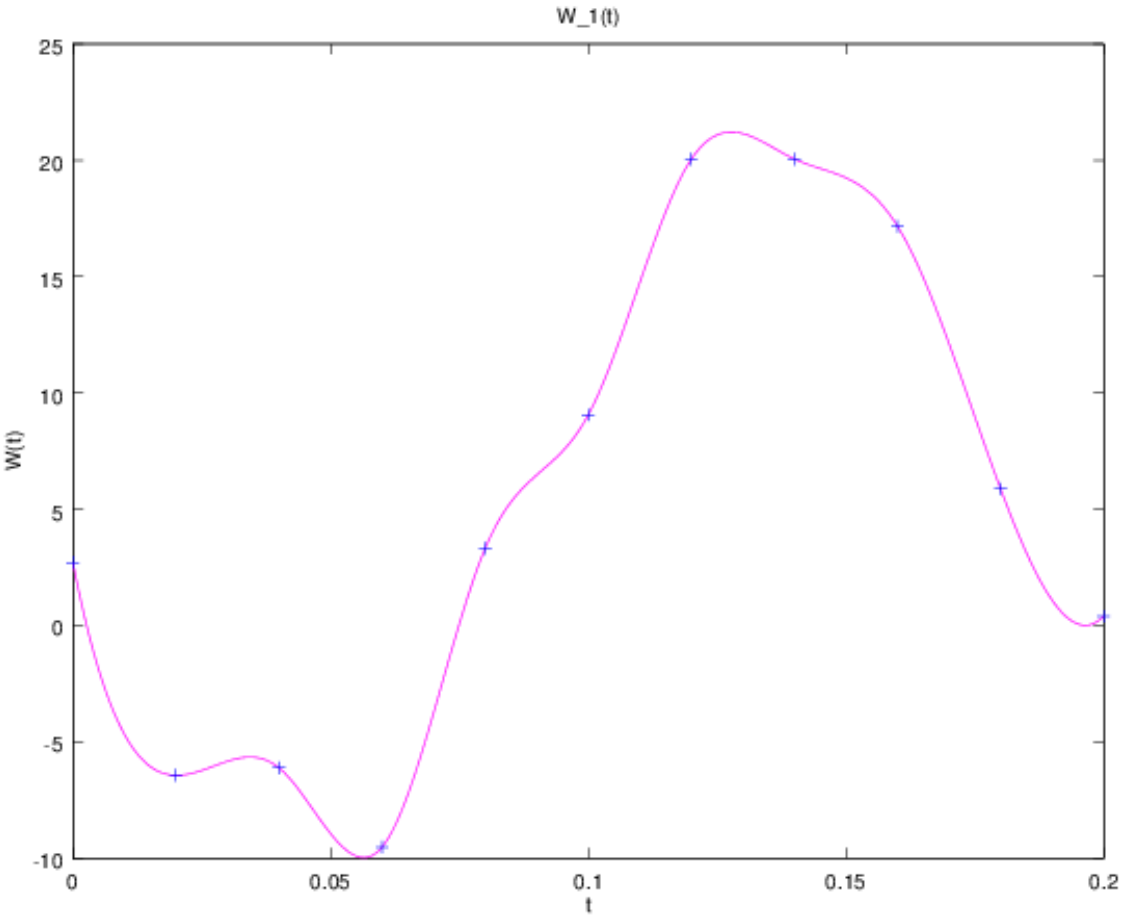
Управляющая функция w_1(t):
   2.71057
  -6.44256
  -6.12300
  -9.52552
   3.31474
   9.05162
  20.04568
  20.05008
  17.16429

5.87752
0.39395

E(T) =
3.6382e-09

u(x, t)
T = 0.000000: 0.000000 0.077254 0.146946 0.202254 0.237764 0.250000 0.237764 0.202254 0.146946 0.077254 0.000000
T = 0.020000: 0.000000 0.075810 0.144108 0.198087 0.232370 0.243808 0.232370 0.198087 0.144108 0.075810 0.000000
T = 0.040000: 0.000000 0.071344 0.135047 0.184342 0.214415 0.223632 0.214415 0.184342 0.135047 0.071344 0.000000
T = 0.060000: 0.000000 0.062736 0.117684 0.158751 0.182806 0.189971 0.182806 0.158751 0.117684 0.062736 0.000000
T = 0.080000: 0.000000 0.048115 0.090258 0.122210 0.141933 0.148653 0.141933 0.122210 0.090258 0.048115 0.000000
T = 0.100000: 0.000000 0.028940 0.056567 0.080921 0.098980 0.106696 0.098980 0.080921 0.056567 0.028940 0.000000
T = 0.120000: 0.000000 0.011922 0.026444 0.043548 0.059588 0.067799 0.059588 0.043548 0.026444 0.011922 0.000000
T = 0.140000: 0.000000 0.002541 0.007915 0.017206 0.028213 0.034978 0.028213 0.017206 0.007915 0.002541 0.000000
T = 0.160000: 0.000000 -0.000247 0.000794 0.003941 0.008793 0.012515 0.008793 0.003941 0.000794 -0.000247 0.000000
T = 0.180000: 0.000000 -0.000346 -0.000423 0.000043 0.001139 0.002217 0.001139 0.000043 -0.000423 -0.000346 0.000000
T = 0.200000: 0.000000 -0.000002 -0.000008 -0.000001 -0.000007 0.000001 -0.000007 -0.000001 -0.000008 -0.000002 0.000000


U(x, t)
0.25
0.2
0.15
0.1
0.05
0
-0.05
Z-axis
0.2
0.15
0.1
0.05
0
T-axis
0
0.2
0.4
0.6
0.8
1
X-axis


W_1(t)
W(t)
t
25
20
15
10
5
0
-5
-10
0
0.05
0.1
0.15
0.2