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: 3

Демпфер # 1

x_1 = 0.250000

Верхнее предельное значение w_1(t) =
NaN

Нижнее предельное значение w_1(t) =
NaN

Управляющая функция w_1(t):
  -0.52710
  -1.71813
  -0.61374
   0.54299
   1.43889
   2.50028
   3.57498
   3.97040
   5.22965

6.16817
3.36568

Демпфер # 2

x_2 = 0.500000

Верхнее предельное значение w_2(t) =
NaN

Нижнее предельное значение w_2(t) =
NaN

Управляющая функция w_2(t):
-1.130483
-2.543588
-1.223123
-0.037629
1.755625
3.220495
4.625935
5.484934
6.781066
8.242835
4.558022

Демпфер # 3

x_3 = 0.750000

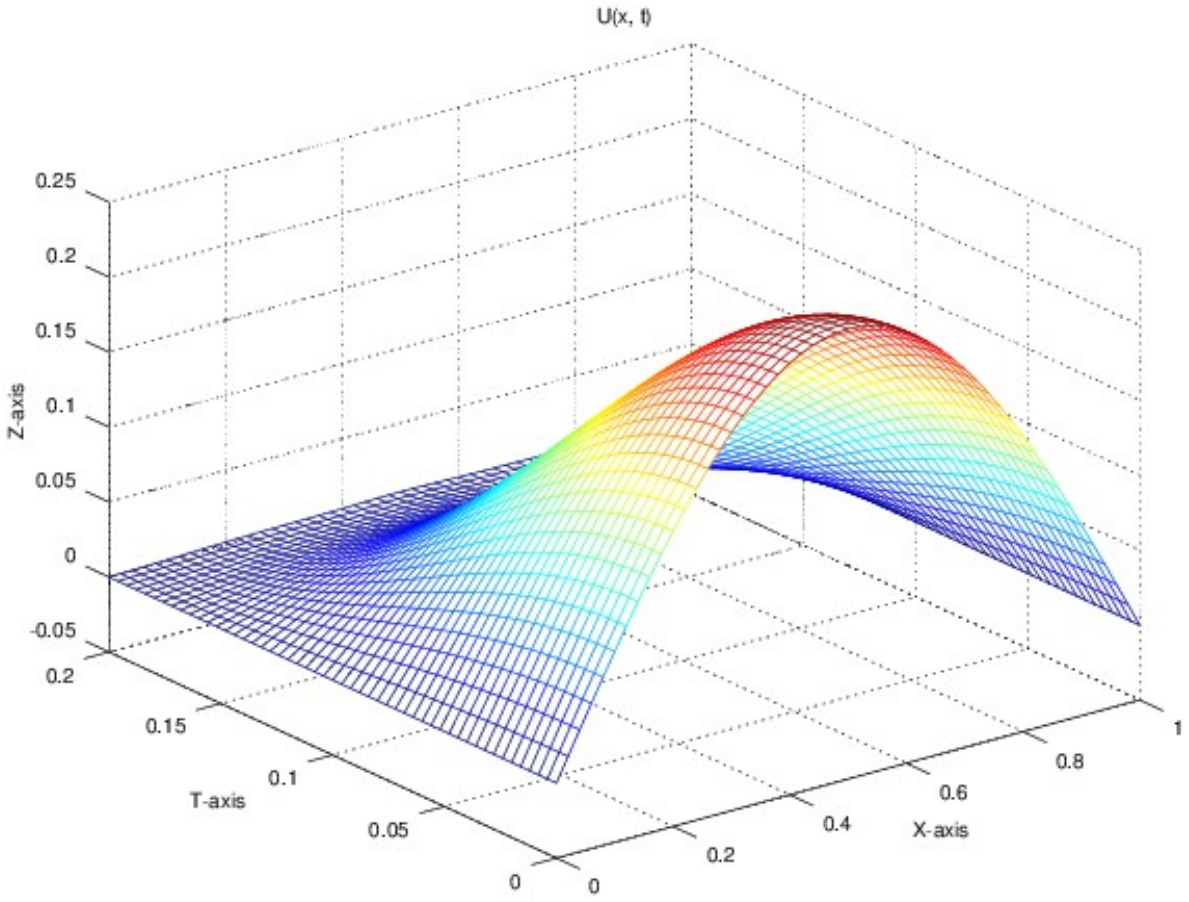
Верхнее предельное значение w_3(t) =
NaN

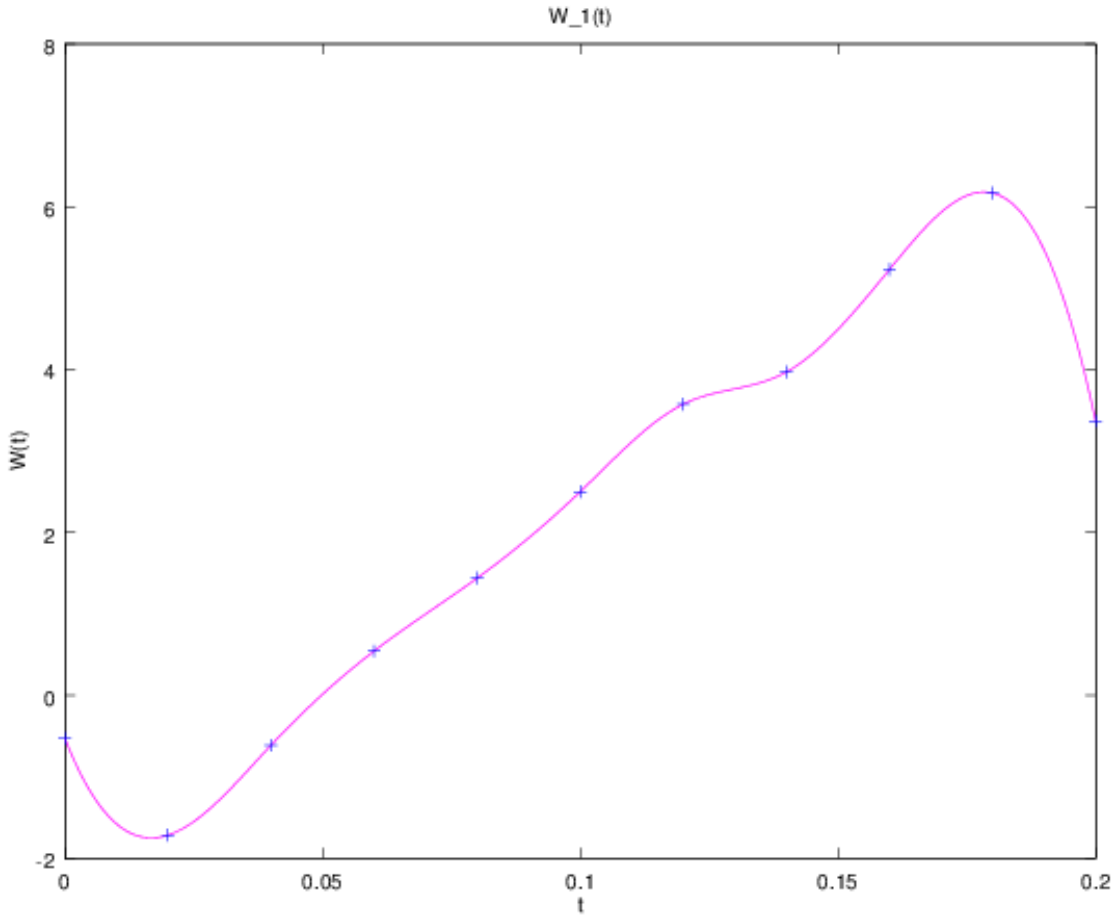
Нижнее предельное значение w_3(t) =
NaN

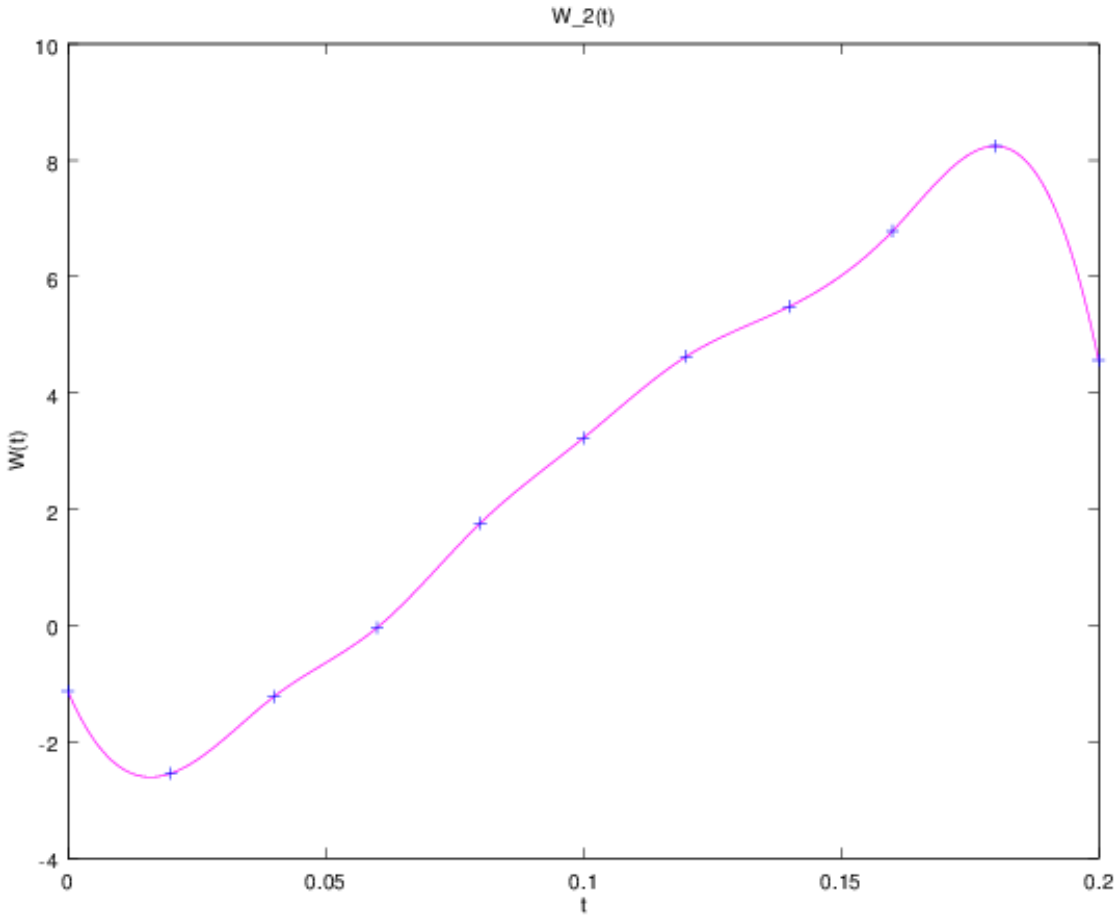
Управляющая функция w_3(t):
-0.52783
-1.71697
-0.61397
0.54131
1.43685
2.50146
3.57341
3.96950
5.22929
6.16825
3.36235

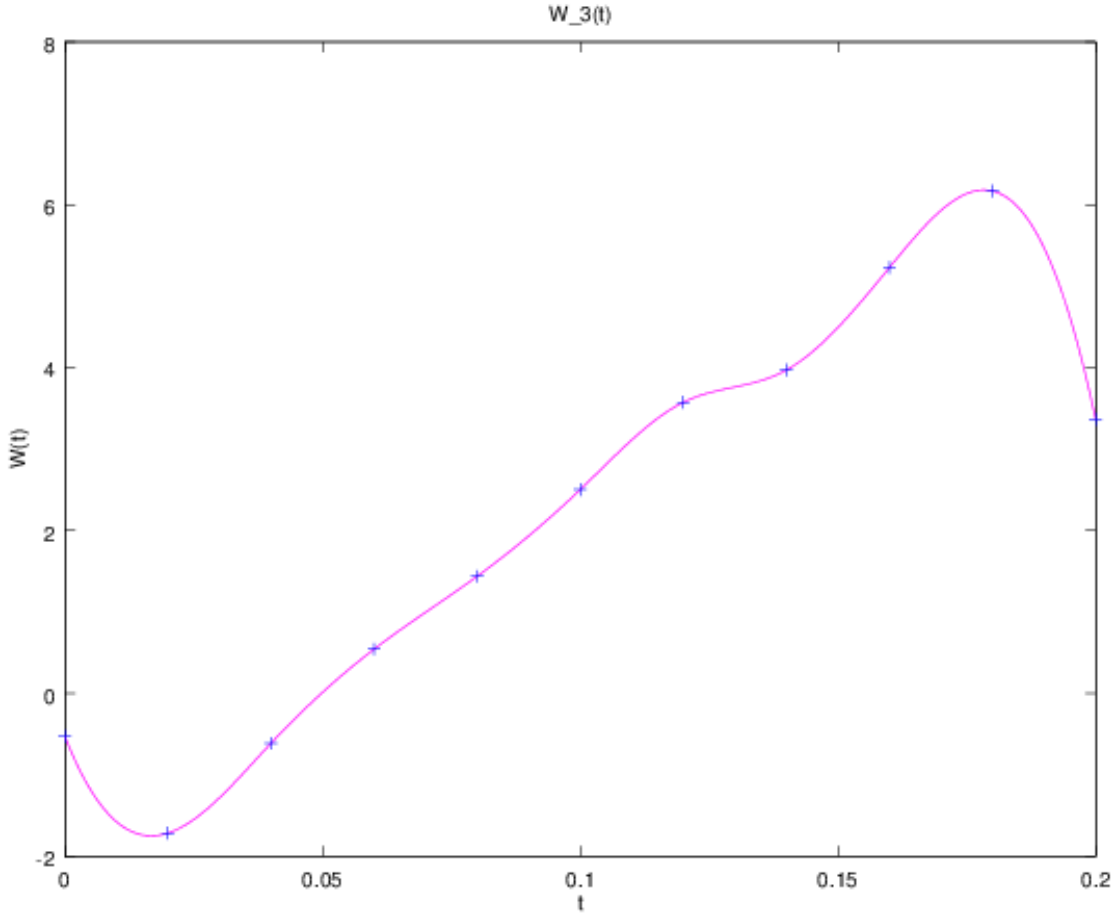
E(T) =
  9.6587e-05

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 0.075454 0.143402 0.197399 0.232012 0.243604 0.232012 0.197399 0.143402 0.075454 0.000000
T = 0.040000: 0.000000 0.069950 0.132928 0.182804 0.214654 0.225477 0.214654 0.182804 0.132929 0.069951 0.000000
T = 0.060000: 0.000000 0.061193 0.116321 0.159826 0.187657 0.197303 0.187657 0.159826 0.116322 0.061194 0.000000
T = 0.080000: 0.000000 0.050185 0.095467 0.131337 0.154268 0.162199 0.154267 0.131335 0.095465 0.050184 0.000000
T = 0.100000: 0.000000 0.038155 0.072800 0.100151 0.117727 0.124235 0.117725 0.100147 0.072795 0.038152 0.000000
T = 0.120000: 0.000000 0.026483 0.050537 0.069527 0.081840 0.086461 0.081836 0.069522 0.050531 0.026480 0.000000
T = 0.140000: 0.000000 0.016075 0.030821 0.042330 0.049616 0.052684 0.049614 0.042325 0.030817 0.016072 0.000000
T = 0.160000: 0.000000 0.007879 0.015229 0.020674 0.024221 0.026131 0.024220 0.020671 0.015226 0.007878 0.000000
T = 0.180000: 0.000000 0.002702 0.005390 0.007303 0.008540 0.009716 0.008540 0.007304 0.005390 0.002702 0.000000
T = 0.200000: 0.000000 0.000871 0.002043 0.002808 0.003336 0.004095 0.003337 0.002809 0.002044 0.000872 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
8
6
4
2
0
-2
0
0.05
0.1
0.15
0.2


W_2(t)
W(t)
t
10
8
6
4
2
0
-2
-4
0
0.05
0.1
0.15
0.2


W_3(t)
W(t)
t
8
6
4
2
0
-2
0
0.05
0.1
0.15
0.2