GNU Octave, version 3.8.2 Copyright (C) 2014 John W. Eaton and others. This is free software; see the source code for copying conditions. There is ABSOLUTELY NO WARRANTY; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. For details, type 'warranty'.

Octave was configured for "x86_64-pc-linux-gnu".

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

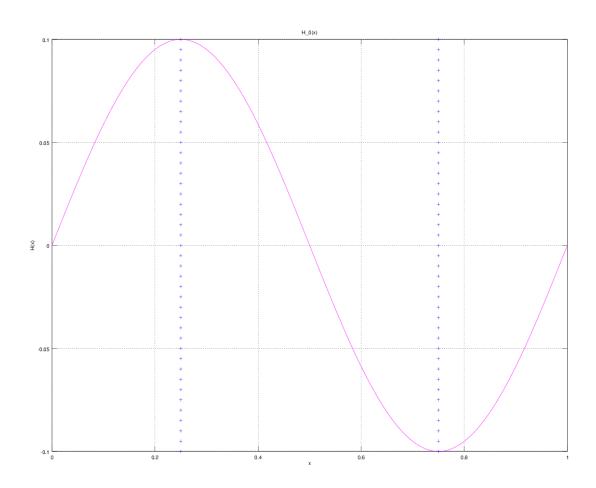
Please contribute if you find this software useful. For more information, visit http://www.octave.org/get-involved.html

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 = 0.100000 $\epsilon = 1.0000e-10$ n = 10 k = 10 hx = 0.100000

ht = 0.010000

Начальное возмущение = $0.1 * \sin(2 * pi * x)$



Всего демпферов: 2

Демпфер # 1

 $x_1 = 0.250000$

Верхнее предельное значение $w_1(t) = NaN$

Нижнее предельное значение $w_1(t) = NaN$

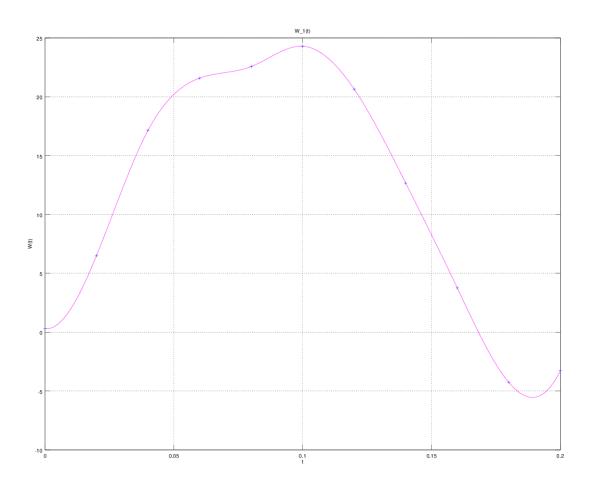
Управляющая функция w_1(t):

0.30917

6.50755

17.14619

21.58044 22.56230 24.29415 20.64715 12.66597 3.76455 -4.26805 -3.27856



Демпфер # 2

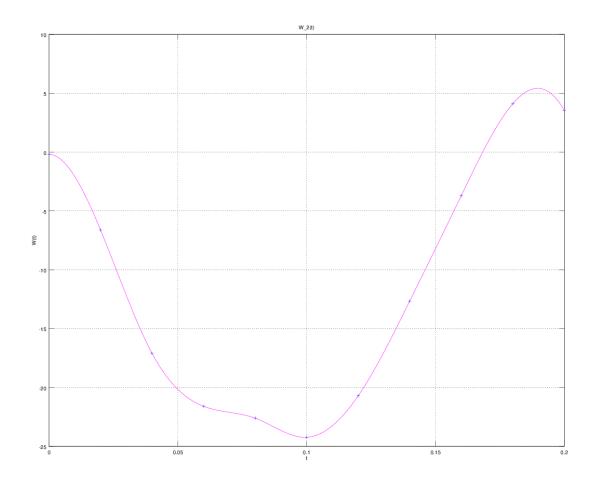
$$x_2 = 0.750000$$

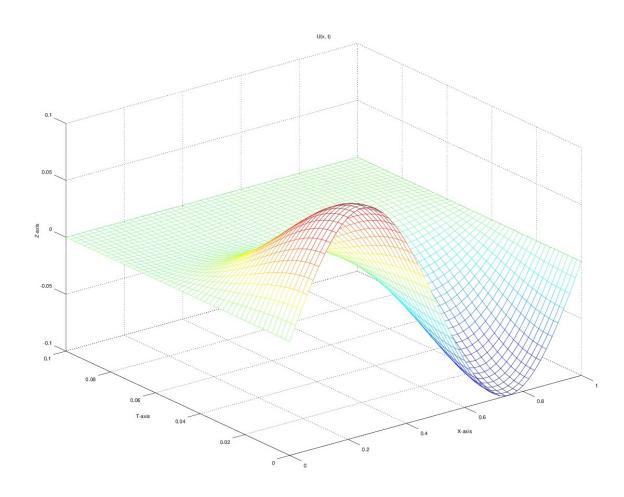
Верхнее предельное значение $w_2(t) = NaN$

Нижнее предельное значение $w_2(t) = NaN$

Управляющая функция $w_2(t)$:

- -0.18957
- -6.60192
- -17.09367
- -21.59072
- -22.60133
- -24.22493
- -20.70612
- -12.65525
- -3.70391
- 4.10598
- 3.54361





u(x, t)

 $T = 0.000000: 0.000000 \ 0.058779 \ 0.095106 \ 0.095106 \ 0.058779 \ 0.000000 \ -0.058779 \ -0.095106 \ -0.058779 \ -0.000000$

T = 0.010000: $0.000000 \ 0.054869 \ 0.089094 \ 0.089094 \ 0.054869 \ 0.000000 \ -0.054868 \ -0.089091 \ -0.089091 \ -0.054868 \ 0.000000$

T = 0.020000: $0.000000 \ 0.044586 \ 0.073380 \ 0.073380 \ 0.044586 \ 0.000001 \ -0.044584 \ -0.073378 \ -0.073378 \ -0.044584 \ 0.000000$

 $T = 0.030000: 0.000000 \ 0.031428 \ 0.052759 \ 0.052759 \ 0.031428 \ 0.000002 \ -0.031426 \ -0.052757 \ -0.052757 \ -0.031426 \ 0.000000$

T = 0.040000: $0.000000 \ 0.018643 \ 0.031740 \ 0.031741 \ 0.018645 \ 0.000002 \ -0.018641 \ -0.031739 \ -0.031740 \ -0.018643 \ 0.000000$

 $T = 0.050000; \ 0.000000 \ 0.007948 \ 0.014315 \ 0.014317 \ 0.007950 \ 0.000002 \ -0.007947 \ -0.014316 \ -0.014318 \ -0.007949 \ 0.000000$

 $T = 0.060000; 0.000000 \ 0.000746 \ 0.003097 \ 0.003097 \ 0.000748 \ 0.000002 \ -0.000745 \ -0.003094 \ -0.003095 \ -0.000747 \ 0.000000$

T = 0.070000: 0.000000 - 0.001936 - 0.001977 - 0.001977 - 0.001936 0.000001 0.001939 0.001978

0.001978 0.001938 0.000000

 $T = 0.080000: 0.000000 - 0.001456 - 0.002561 - 0.002561 - 0.001456 \ 0.000001 \ 0.001457 \ 0.002563 \ 0.002564 \ 0.001458 \ 0.000000$

 $T = 0.090000: 0.000000 - 0.000458 - 0.001056 - 0.001056 - 0.000458 - 0.000000 \ 0.000458 \ 0.001057 \ 0.001058 \ 0.000459 \ 0.000000$