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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

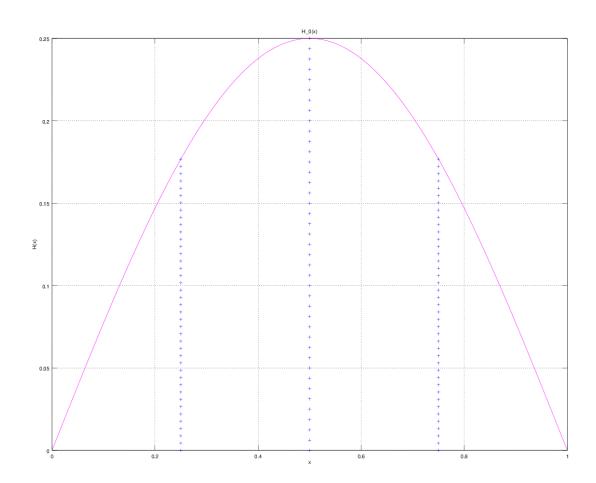
Read http://www.octave.org/bugs.html to learn how to submit bug reports. For information about changes from previous versions, type 'news'.

a = 1.000000 l = 1.000000 T = 0.200000

 $\epsilon = 0.000000$

$$\begin{split} n &= 10 \\ k &= 10 \\ hx &= 0.100000 \\ ht &= 0.020000 \end{split}$$

Начальное возмущение = $0.25 * \sin(pi * x)$



Всего демпферов: 3

Демпфер # 1

 $x_1 = 0.250000$

Верхнее предельное значение $w_1(t) = 10$

Нижнее предельное значение $w_1(t) = NaN$

Управляющая функция w_1(t):

- -0.21764
- -6.38068
- -3.24103

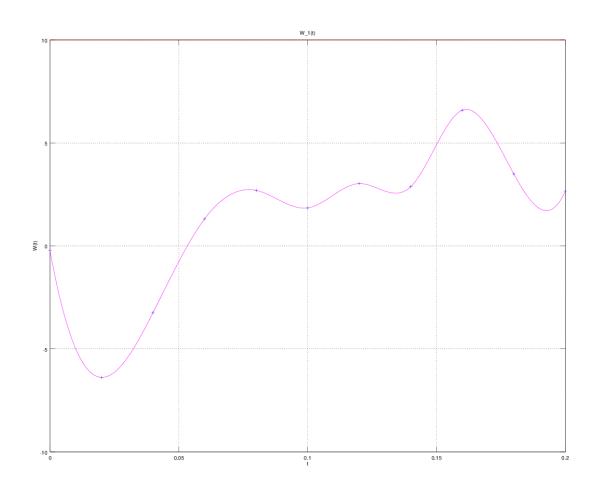
1.30994 2.69420 1.84433

3.02524

2.87454 6.58951

3.49487

2.65850



Демпфер # 2

$$x_2 = 0.500000$$

Верхнее предельное значение $w_2(t) =$

Нижнее предельное значение w_2(t) = NaN

Управляющая функция w_2(t):

0.89339

-5.19948

-1.54489

3.54348

6.88172

4.57576

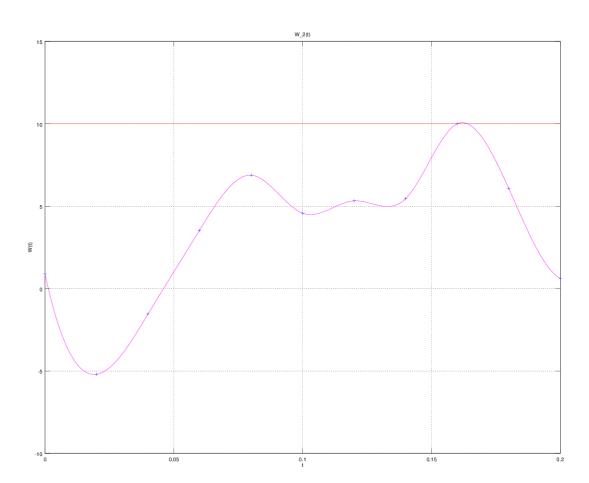
5.32600

5.46527

9.99982

6.07056

0.61674



Демпфер # 3

 $x_3 = 0.750000$

Верхнее предельное значение $w_3(t) = 10$

Нижнее предельное значение $w_3(t) = NaN$

Управляющая функция w_3(t):

-0.22399

-6.36471

-3.23770

1.30601

2.70044

1.84499

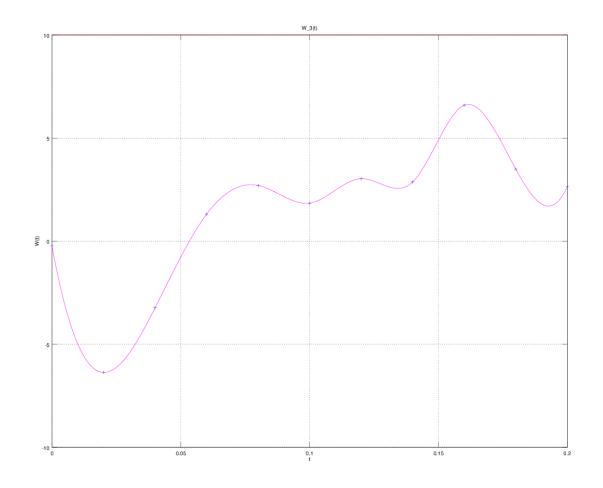
3.02985

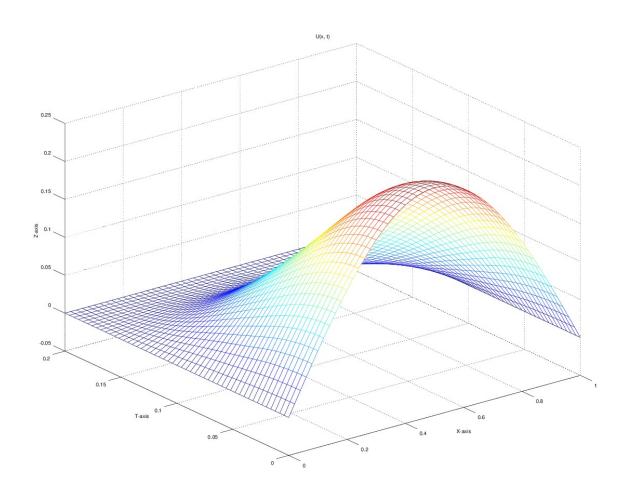
2.87437

6.59428

3.49199

2.64753





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

 $T = 0.020000; \ 0.000000 \ 0.074768 \ 0.142024 \ 0.195999 \ 0.231142 \ 0.242920 \ 0.231143 \ 0.196002 \ 0.142027 \ 0.074770 \ 0.000000$

T = 0.040000: $0.000000 \ 0.066893 \ 0.127549 \ 0.176887 \ 0.209430 \ 0.220475 \ 0.209438 \ 0.176900 \ 0.127562 \ 0.066901 \ 0.000000$

 $T = 0.060000: 0.000000 \ 0.055704 \ 0.106826 \ 0.148034 \ 0.175049 \ 0.184992 \ 0.175064 \ 0.148057 \ 0.106849 \ 0.055719 \ 0.000000$

T = 0.080000: $0.000000 \ 0.044332 \ 0.084290 \ 0.116018 \ 0.136808 \ 0.144579 \ 0.136822 \ 0.116039 \ 0.084311 \ 0.044345 \ 0.000000$

 $T = 0.100000: 0.000000 \ 0.032444 \ 0.061748 \ 0.084993 \ 0.100198 \ 0.106007 \ 0.100205 \ 0.085005 \ 0.061759 \ 0.032451 \ 0.000000$

 $T = 0.120000: 0.000000 \ 0.020733 \ 0.040234 \ 0.056128 \ 0.066698 \ 0.070894 \ 0.066699 \ 0.056127 \ 0.040234 \ 0.020733 \ 0.000000$

T = 0.140000: $0.000000 \ 0.011284 \ 0.021841 \ 0.030743 \ 0.037075 \ 0.039869 \ 0.037069 \ 0.030734$

0.021832 0.011278 0.000000

 $T = 0.160000; \ 0.000000 \ 0.004516 \ 0.008978 \ 0.012192 \ 0.014437 \ 0.016276 \ 0.014430 \ 0.012182 \ 0.008968 \ 0.004510 \ 0.000000$

 $T = 0.180000; \ 0.0000000 \ 0.000960 \ 0.002027 \ 0.002575 \ 0.002886 \ 0.003559 \ 0.002884 \ 0.002571 \ 0.002023 \ 0.000957 \ 0.000000$

 $T = 0.200000: 0.000000 - 0.000006 - 0.000011 \ 0.000006 - 0.000018 \ 0.000006 - 0.000018 \ 0.000006 - 0.000011 - 0.000006 \ 0.000000$