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Octave was configured for "i586-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'.

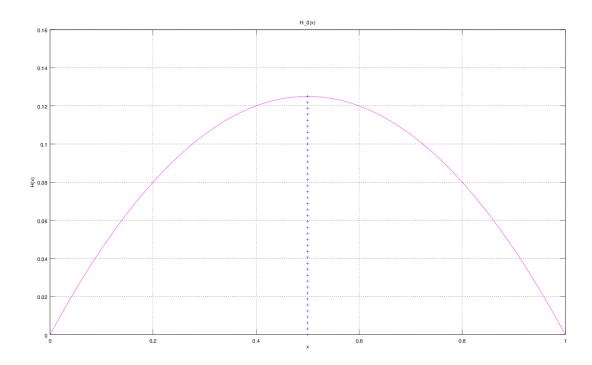
a = 1.000000 l = 1.000000 T = 0.050000 $\epsilon = 1.0000e-12$

Параметры сетки:

n = 16k = 8

hx = 0.062500ht = 0.006250

Начальное возмущение = @(x) 0.5 * x * (1 - x)



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):

91.842

-88.057

51.527

-15.984

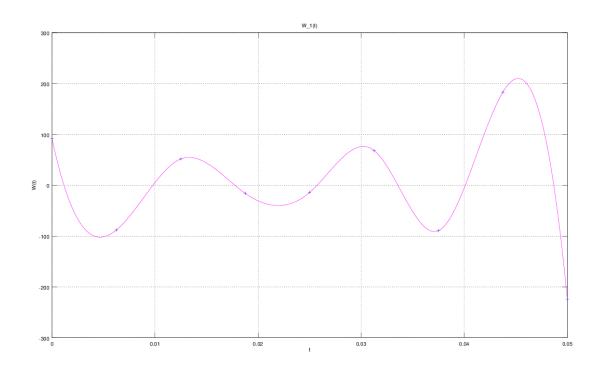
-14.192

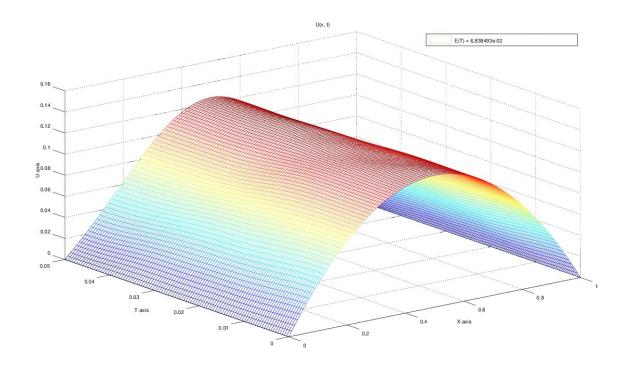
68.157

-89.385

182.954

-224.193





u(x, t) $T = 0.000000: 0.000000 \ 0.029297 \ 0.054688 \ 0.076172 \ 0.093750 \ 0.107422 \ 0.117188 \ 0.123047$ $0.125000\ 0.123047\ 0.117188\ 0.107422\ 0.093750\ 0.076172\ 0.054688\ 0.029297\ 0.000000$ T = 0.006250: $0.000000 \ 0.027440 \ 0.053490 \ 0.075753 \ 0.093704 \ 0.107476 \ 0.117270 \ 0.123203$ $0.125266\ 0.123203\ 0.117270\ 0.107476\ 0.093704\ 0.075753\ 0.053490\ 0.027440\ 0.000000$ T = 0.012500: $0.000000 \ 0.025249 \ 0.050314 \ 0.073638 \ 0.093010 \ 0.107560 \ 0.117285 \ 0.122307$ $0.123110\ 0.122307\ 0.117285\ 0.107560\ 0.093010\ 0.073638\ 0.050314\ 0.025249\ 0.000000$ T = 0.018750: $0.000000 \ 0.024483 \ 0.047756 \ 0.070134 \ 0.090399 \ 0.106173 \ 0.116261 \ 0.121601$ $0.124163\ 0.121601\ 0.116261\ 0.106173\ 0.090399\ 0.070134\ 0.047756\ 0.024483\ 0.000000$ $T = 0.025000: 0.000000 \ 0.023484 \ 0.046534 \ 0.067408 \ 0.085992 \ 0.101940 \ 0.114479 \ 0.122891$ $0.125220\ 0.122891\ 0.114479\ 0.101940\ 0.085992\ 0.067408\ 0.046534\ 0.023484\ 0.000000$ T = 0.031250: $0.000000 \ 0.022785 \ 0.044447 \ 0.064490 \ 0.082041 \ 0.098150 \ 0.112827 \ 0.123146$ $0.127423\ 0.123146\ 0.112827\ 0.098150\ 0.082041\ 0.064490\ 0.044447\ 0.022785\ 0.000000$ T = 0.037500: $0.000000 \ 0.021275 \ 0.041434 \ 0.060685 \ 0.079808 \ 0.097353 \ 0.111694 \ 0.122349$ $0.126776\ 0.122349\ 0.111694\ 0.097353\ 0.079808\ 0.060685\ 0.041434\ 0.021275\ 0.000000$ T = 0.043750; $0.000000 \ 0.018622 \ 0.038319 \ 0.058679 \ 0.078682 \ 0.097037 \ 0.112108 \ 0.122160$ $0.125922\ 0.122160\ 0.112108\ 0.097037\ 0.078682\ 0.058679\ 0.038319\ 0.018622\ 0.000000$ $T = 0.050000: 0.000000 \ 0.017825 \ 0.037067 \ 0.057895 \ 0.078207 \ 0.096767 \ 0.112183 \ 0.122050$ $0.125626 \ 0.122050 \ 0.112183 \ 0.096767 \ 0.078207 \ 0.057895 \ 0.037067 \ 0.017825 \ 0.000000$