

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: 2

Демпфер # 1

x_1 = 0.250000

Верхнее предельное значение $w_1(t)$ =

NaN

Нижнее предельное значение $w_1(t)$ =

NaN

Управляющая функция $w_1(t)$:

1.0294

-4.7089

-5.2327

-6.4662

3.0968

6.4562

15.9592

12.9662

13.5821

1.2440
3.1506

Демпфер # 2

$x_2 = 0.750000$

Верхнее предельное значение $w_2(t) =$
NaN

Нижнее предельное значение $w_2(t) =$
NaN

Управляющая функция $w_2(t)$:

0.99533
-4.65367
-5.28889
-6.49916
3.11688
6.47275
15.92138
12.92637
13.60396
1.22746
3.14055

$E(T) =$
8.5666e-10

$u(x, t)$

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 0.075205 0.142999 0.197278 0.232642 0.244884 0.232645 0.197285
0.143006 0.075209 0.000000
T = 0.040000: 0.000000 0.068271 0.130288 0.181324 0.215795 0.227953 0.215806 0.181340
0.130304 0.068282 0.000000
T = 0.060000: 0.000000 0.056803 0.109469 0.154032 0.184828 0.195843 0.184824 0.154020
0.109456 0.056799 0.000000
T = 0.080000: 0.000000 0.044299 0.085289 0.118828 0.140855 0.148547 0.140813 0.118765
0.085226 0.044257 0.000000
T = 0.100000: 0.000000 0.033197 0.061817 0.081379 0.091323 0.094292 0.091273 0.081302
0.061740 0.033148 0.000000
T = 0.120000: 0.000000 0.022385 0.039770 0.047511 0.047599 0.046778 0.047572 0.047462
0.039721 0.022359 0.000000
T = 0.140000: 0.000000 0.011679 0.020283 0.021822 0.018228 0.016206 0.018213 0.021799
0.020260 0.011665 0.000000
T = 0.160000: 0.000000 0.003890 0.006897 0.006691 0.004106 0.002846 0.004095 0.006673
0.006879 0.003880 0.000000
T = 0.180000: 0.000000 0.000565 0.001085 0.000855 0.000038 -0.000329 0.000034 0.000847

0.001078 0.000561 0.000000

T = 0.200000: 0.000000 -0.000001 -0.000002 0.000000 -0.000001 -0.000006 -0.000001 0.000000

-0.000002 -0.000001 0.000000





