

Table 1 Absolute error of $u(x, y, z, t)$ for eq. (1.1) with
 $\alpha = 1, \beta = 1, \gamma = 1,$ $y = 0.4, z = 0.4,$ $C_1 = -1.002572,$
 $C_2 = 0.0000112342, C_3 = -0.0000107873.$

x	$ u_{OHAM} - u_{Exact} $									
	$t = 0.05$	$t = 0.1$	$t = 0.15$	$t = 0.2$	$t = 0.25$	$t = 0.3$	$t = 0.35$	$t = 0.4$	$t = 0.45$	$t = 0.5$
0.1	6.68E-7	8.12E-6	4.10E-5	1.30E-4	3.19E-4	6.60E-4	1.21E-3	2.04E-3	3.22E-3	4.82E-3
0.2	6.79E-7	8.20E-6	4.14E-5	1.32E-4	3.27E-4	6.82E-4	1.26E-3	2.16E-3	3.45E-3	5.23E-3
0.3	6.50E-7	7.67E-6	3.87E-5	1.24E-4	3.07E-4	6.46E-4	1.21E-3	2.08E-3	3.35E-3	5.12E-3
0.4	5.96E-7	6.79E-6	3.41E-5	1.09E-4	2.72E-4	5.75E-4	1.08E-3	1.87E-3	3.04E-3	4.68E-3
0.5	5.31E-7	5.76E-6	2.87E-5	9.24E-5	2.30E-4	4.88E-4	9.23E-4	1.60E-3	2.61E-3	4.05E-3
0.6	4.63E-7	4.72E-6	2.33E-5	7.48E-5	1.87E-4	3.97E-4	7.54E-4	1.31E-3	2.15E-3	3.36E-3
0.7	3.98E-7	3.75E-6	1.82E-5	5.85E-5	1.46E-4	3.11E-4	5.93E-4	1.04E-3	1.71E-3	2.68E-3
0.8	3.38E-7	2.91E-6	1.38E-5	4.42E-5	1.10E-4	2.36E-4	4.51E-4	7.93E-4	1.31E-3	2.06E-3
0.9	2.86E-7	2.19E-6	1.01E-5	3.22E-5	8.06E-5	1.72E-4	3.30E-4	5.83E-4	9.67E-4	1.52E-3
1.0	2.41E-7	1.62E-6	7.20E-6	2.25E-5	5.62E-5	1.20E-4	2.31E-4	4.10E-4	6.84E-4	1.08E-3

Table 2 Absolute error of $u(x, y, z, t)$ for eq. (1.1) with
 $\alpha = 1, \beta = 1, \gamma = 1,$ $y = 0.7, z = 0.7,$ $C_1 = -1.002572,$
 $C_2 = 0.0000112342, C_3 = -0.0000107873.$

x	$ u_{OHAM} - u_{Exact} $									
	$t = 0.05$	$t = 0.1$	$t = 0.15$	$t = 0.2$	$t = 0.25$	$t = 0.3$	$t = 0.35$	$t = 0.4$	$t = 0.45$	$t = 0.5$
0.1	3.98E-7	3.75E-6	1.82E-5	5.85E-5	1.46E-4	3.11E-4	5.93E-4	1.04E-3	1.71E-3	2.68E-3
0.2	3.38E-7	2.91E-6	1.38E-5	4.42E-5	1.10E-4	2.36E-4	4.51E-4	7.93E-4	1.31E-3	2.06E-3
0.3	2.86E-7	2.19E-6	1.01E-5	3.22E-5	8.06E-5	1.72E-4	3.30E-4	5.58E-4	9.67E-4	1.52E-3
0.4	2.41E-7	1.62E-6	7.20E-6	2.25E-5	5.62E-5	1.20E-4	2.31E-4	4.10E-4	6.84E-4	1.08E-3
0.5	2.04E-7	1.16E-6	4.86E-6	1.49E-5	3.70E-5	7.94E-5	1.53E-4	2.73E-4	4.58E-4	7.32E-4
0.6	1.72E-7	8.04E-7	3.05E-6	9.08E-6	2.23E-5	4.78E-5	9.28E-5	1.66E-4	2.82E-4	4.56E-4
0.7	1.46E-7	5.32E-7	1.70E-6	4.69E-6	1.12E-5	2.41E-5	4.74E-5	8.68E-5	1.49E-4	2.47E-4

0.8	1.25E-7	3.28E-7	7.07E-7	1.49E-6	3.20E-6	6.85E-6	1.42E-5	2.79E-5	5.21E-5	9.24E-5
0.9	1.07E-7	1.78E-7	5.22E-9	7.90E-7	2.53E-6	5.46E-6	9.52E-6	1.41E-5	1.80E-5	1.89E-5
1.0	9.29E-8	7.05E-8	5.00E-7	2.35E-6	6.47E-6	1.39E-5	2.58E-5	4.32E-5	6.66E-5	9.64E-5

Table 3 Absolute error of $u(x, y, z, t)$ for eq. (1.1) with
 $\alpha = 1, \beta = 1, \gamma = 1,$ $y = 1, z = 1,$ $C_1 = -1.002572,$
 $C_2 = 0.0000112342, C_3 = -0.0000107873.$

x	$ u_{OHAM} - u_{Exact} $									
	$t = 0.05$	$t = 0.1$	$t = 0.15$	$t = 0.2$	$t = 0.25$	$t = 0.3$	$t = 0.35$	$t = 0.4$	$t = 0.45$	$t = 0.5$
0.1	1.46E-7	5.32E-7	1.70E-6	4.69E-6	1.12E-5	2.41E-5	4.74E-5	8.68E-5	1.49E-4	2.47E-4
0.2	1.25E-7	3.28E-7	7.07E-7	1.49E-6	3.20E-6	6.85E-6	1.420E-5	2.79E-5	5.21E-5	9.24E-5
0.3	1.07E-7	1.78E-7	5.22E-9	7.90E-7	2.53E-6	5.46E-6	9.52E-6	1.41E-5	1.80E-5	1.89E-5
0.4	9.29E-8	7.05E-8	5.00E-7	2.35E-6	6.47E-6	1.39E-5	2.58E-5	4.32E-5	6.66E-5	9.64E-5
0.5	8.06E-8	5.64E-9	8.30E-7	3.38E-6	9.04E-6	1.94E-5	3.65E-5	6.23E-5	9.89E-5	1.48E-4
0.6	7.03E-8	5.78E-8	1.03E-6	4.01E-6	1.06E-5	2.28E-5	4.31E-5	7.41E-5	1.18E-4	1.80E-4
0.7	6.16E-8	9.21E-8	1.15E-6	4.35E-6	1.14E-5	2.46E-5	4.66E-5	8.05E-5	1.29E-4	1.98E-4
0.8	5.42E-8	1.13E-7	1.20E-6	4.48E-6	1.17E-5	2.52E-5	4.78E-5	8.29E-5	1.34E-4	2.06E-4
0.9	4.79E-8	1.24E-7	1.21E-6	4.46E-6	1.16E-5	2.50E-5	4.76E-5	8.26E-5	1.34E-4	2.06E-4
1.0	4.25E-8	1.29E-7	1.19E-6	4.34E-6	1.13E-5	2.43E-5	4.63E-5	8.05E-5	1.30E-4	2.01E-4

Table 4 Absolute error of $u(x, y, z, t)$ for eq. (1.2) with
 $\alpha = -0.5, \beta = 0.5, \gamma = 0.5,$ $y = 0.2, z = 0.2,$ $C_1 = -0.263851,$
 $C_2 = 1.184578, C_3 = -2.771145.$

x	$ u_{OHAM} - u_{Exact} $									
	$t = 0.01$	$t = 0.02$	$t = 0.03$	$t = 0.04$	$t = 0.05$	$t = 0.06$	$t = 0.07$	$t = 0.08$	$t = 0.09$	$t = 0.1$
0.1	3.79E-4	7.75E-4	1.18E-3	1.61E-3	2.06E-3	2.52E-3	3.00E-3	3.49E-3	4.00E-3	4.53E-3
0.2	2.58E-4	5.33E-4	8.25E-4	1.13E-3	1.46E-3	1.80E-3	2.16E-3	2.53E-3	2.93E-3	3.34E-3

0.3	1.34E-4	2.85E-4	4.54E-4	6.40E-4	8.43E-4	1.06E-3	1.30E-3	1.55E-3	1.82E-3	2.11E-3
0.4	8.71E-6	3.48E-5	7.84E-5	1.39E-4	2.17E-4	3.13E-4	4.26E-4	5.57E-4	7.05E-4	8.70E-4
0.5	1.16E-4	2.16E-4	2.98E-4	3.63E-4	4.10E-4	4.40E-4	4.52E-4	4.48E-4	4.25E-4	3.86E-4
0.6	2.41E-4	4.65E-4	6.72E-4	8.62E-4	1.03E-3	1.19E-3	1.32E-3	1.44E-3	1.55E-3	1.64E-3
0.7	3.63E-4	7.09E-4	1.03E-3	1.35E-3	1.64E-3	1.92E-3	2.19E-3	2.43E-3	2.66E-3	2.87E-3
0.8	4.81E-4	9.46E-4	1.39E-3	1.82E-3	2.24E-3	2.64E-3	3.03E-3	3.39E-3	3.74E-3	4.08E-3
0.9	5.93E-4	1.17E-3	1.73E-3	2.28E-3	2.81E-3	3.33E-3	3.83E-3	4.31E-3	4.78E-3	5.24E-3
1.0	6.98E-4	1.38E-3	2.05E-3	2.70E-3	3.35E-3	3.97E-3	4.58E-3	5.18E-3	5.76E-3	6.33E-3

Table 5 Absolute error of $u(x, y, z, t)$ for eq. (1.2) with $\alpha = -0.5, \beta = 0.5, \gamma = 0.5, y = 0.5, z = 0.5, C_1 = -0.263851, C_2 = 1.184578, C_3 = -2.771145$.

x	$ u_{OHAM} - u_{Exact} $									
	$t = 0.01$	$t = 0.02$	$t = 0.03$	$t = 0.04$	$t = 0.05$	$t = 0.06$	$t = 0.07$	$t = 0.08$	$t = 0.09$	$t = 0.1$
0.1	9.60E-4	1.93E-3	2.91E-3	3.90E-3	4.91E-3	5.92E-3	6.94E-3	7.98E-3	9.02E-3	1.00E-2
0.2	8.91E-4	1.79E-3	2.70E-3	3.63E-3	4.57E-3	5.52E-3	6.48E-3	7.45E-3	8.44E-3	9.43E-3
0.3	8.07E-4	1.62E-3	2.46E-3	3.30E-3	4.16E-3	5.04E-3	5.92E-3	6.82E-3	7.73E-3	8.65E-3
0.4	7.12E-4	1.43E-3	2.18E-3	2.93E-3	3.70E-3	4.48E-3	5.28E-3	6.09E-3	6.91E-3	7.75E-3
0.5	6.08E-4	1.23E-3	1.87E-3	2.52E-3	3.19E-3	3.87E-3	4.57E-3	5.28E-3	6.01E-3	6.75E-3
0.6	4.96E-4	1.00E-3	1.53E-3	2.08E-3	2.64E-3	3.21E-3	3.80E-3	4.41E-3	5.03E-3	5.67E-3
0.7	3.79E-4	7.75E-4	1.18E-3	1.61E-3	2.06E-3	2.52E-3	3.00E-3	3.49E-3	4.00E-3	4.53E-3
0.8	2.58E-4	5.33E-4	8.25E-4	1.13E-3	1.46E-3	1.80E-3	2.16E-3	2.53E-3	2.93E-3	3.34E-3
0.9	1.34E-4	2.85E-4	4.54E-4	6.40E-4	8.43E-4	1.06E-3	1.30E-3	1.55E-3	1.82E-3	2.11E-3
1.0	8.71E-6	3.48E-5	7.84E-5	1.39E-4	2.17E-4	3.13E-4	4.26E-4	5.57E-4	7.05E-4	8.70E-4

Table 6 Absolute error of $u(x, y, z, t)$ for eq. (1.2) with $\alpha = -1, \beta = 1, \gamma = 1, y = 0.2, z = 0.2, C_1 = 0.0551517, C_2 = 0.0660558, C_3 = 0.0168925$.

x	$ u_{OHAM} - u_{Exact} $
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	$t = 0.01$	$t = 0.02$	$t = 0.03$	$t = 0.04$	$t = 0.05$	$t = 0.06$	$t = 0.07$	$t = 0.08$	$t = 0.09$	$t = 0.1$
0.1	1.01E-3	2.06E-3	3.15E-3	4.26E-3	5.40E-3	6.57E-3	7.77E-3	9.01E-3	1.02E-2	1.02E-2
0.2	6.90E-4	1.41E-3	2.17E-3	2.96E-3	3.78E-3	4.64E-3	5.53E-3	6.46E-3	7.41E-3	8.40E-3
0.3	3.56E-4	7.47E-4	1.17E-3	1.63E-3	2.13E-3	2.66E-3	3.23E-3	3.83E-3	4.47E-3	5.14E-3
0.4	1.79E-5	7.19E-5	1.61E-4	2.87E-4	4.49E-4	6.47E-4	8.81E-4	1.15E-3	1.45E-3	1.79E-3
0.5	3.20E-4	6.05E-4	8.55E-4	1.06E-3	1.24E-3	1.38E-3	1.49E-3	1.56E-3	1.59E-3	1.59E-3
0.6	6.56E-4	1.27E-3	1.86E-3	2.42E-3	2.94E-3	3.42E-3	3.87E-3	4.28E-3	4.66E-3	5.00E-3
0.7	9.87E-4	1.94E-3	2.86E-3	3.75E-3	4.61E-3	5.44E-3	6.23E-3	6.99E-3	7.72E-3	8.41E-3
0.8	1.31E-3	2.59E-3	3.85E-3	5.07E-3	6.27E-3	7.44E-3	8.58E-3	9.68E-3	1.07E-2	1.18E-2
0.9	1.63E-3	3.24E-3	4.83E-3	6.40E-3	7.93E-3	9.45E-3	1.09E-2	1.23E-2	1.38E-2	1.52E-2
1.0	1.96E-3	3.91E-3	5.84E-3	7.74E-3	9.63E-3	1.15E-2	1.33E-2	1.51E-2	1.69E-2	1.87E-2

Table 7 Absolute error of $u(x, y, z, t)$ for eq. (1.2) with $\alpha = -1, \beta = 1, \gamma = 1, y = 0.5, z = 0.5, C_1 = 0.0551517, C_2 = 0.0660558, C_3 = 0.0168925$.

x	$ u_{OHAM} - u_{Exact} $									
	$t = 0.01$	$t = 0.02$	$t = 0.03$	$t = 0.04$	$t = 0.05$	$t = 0.06$	$t = 0.07$	$t = 0.08$	$t = 0.09$	$t = 0.1$
0.1	2.99E-3	5.99E-3	8.99E-3	1.19E-2	1.49E-2	1.79E-2	2.09E-2	2.40E-2	2.70E-2	3.00E-2
0.2	2.65E-3	5.32E-3	7.99E-3	1.06E-2	1.33E-2	1.60E-2	1.87E-2	2.14E-2	2.41E-2	2.68E-2
0.3	2.31E-3	4.65E-3	6.99E-3	9.35E-3	1.17E-2	1.41E-2	1.64E-2	1.88E-2	2.13E-2	2.37E-2
0.4	1.98E-3	3.98E-3	6.01E-3	8.04E-3	1.01E-2	1.21E-2	1.42E-2	1.63E-2	1.85E-2	2.06E-2
0.5	1.66E-3	3.34E-3	5.05E-3	6.78E-3	8.53E-3	1.03E-2	1.21E-2	1.39E-2	1.57E-2	1.76E-2
0.6	1.34E-3	2.70E-3	4.10E-3	5.52E-3	6.97E-3	8.45E-3	9.95E-3	1.14E-2	1.30E-2	1.46E-2
0.7	1.01E-3	2.06E-3	3.15E-3	4.26E-3	5.40E-3	6.57E-3	7.77E-3	9.01E-3	1.02E-2	1.15E-2
0.8	6.90E-4	1.41E-3	2.17E-3	2.96E-3	3.78E-3	4.64E-3	5.53E-3	6.46E-3	7.41E-3	8.40E-3
0.9	3.56E-4	7.47E-4	1.17E-3	1.63E-3	2.13E-3	2.66E-3	3.23E-3	3.83E-3	4.47E-3	5.14E-3
1.0	1.79E-5	7.19E-5	1.61E-4	2.87E-4	4.49E-4	6.47E-4	8.81E-4	1.15E-3	1.45E-3	1.79E-3