h	0.8	dfdy	-1			
x	f(xn,yn)	y_pred	f(xn+1,yp)	Y_corr	y_exact	Error
0		0	0	0	0	
0.8	0	0	0.8	0.32	0.249329	0.220847
1.6	0.8	0.96	0.64	0.896	0.801897	0.105026
2.4	0.64	1.408	0.992	1.5488	1.490718	0.037501
3.2	0.992	2.3424	0.8576	2.28864	2.240762	0.02092
4	0.8576	2.97472	1.02528	3.041792	3.018316	0.007718
4.8	1.02528	3.862016	0.937984	3.827098	3.80823	0.00493
5.6	0.937984	4.577485	1.022515	4.611297	4.603698	0.001648
6.4	1.022515	5.429309	0.970691	5.40858	5.401662	0.001279
7.2	0.970691	6.185132	1.014868	6.202803	6.200747	0.000332
8	1.014868	7.014697	0.985303	7.002871	7.000335	0.000362
8.8	0.985303	7.791113	1.008887	7.800547	7.800151	5.08E-05
9.6	1.008887	8.607656	0.992344	8.601039	8.600068	0.000113
10.4	0.992344	9.394914	1.005086	9.400011	9.40003	-2.1E-06
11.2	1.005086	10.20408	0.99592	10.20041	10.20001	3.92E-05
12	0.99592	10.99715	1.00285	10.99992	11.00001	-7.7E-06
12.8	1.00285	11.8022	0.997798	11.80018	11.8	1.51E-05
13.6	0.997798	12.59842	1.001581	12.59993	12.6	-5.5E-06
14.4	1.001581	13.4012	0.998803	13.40009	13.4	6.37E-06
15.2	0.998803	14.19913	1.000872	14.19996	14.2	-3.1E-06
16	1.000872	15.00065	0.999347	15.00004	15	2.87E-06
16.8	0.999347	15.79952	1.000479	15.79997	15.8	-1.7E-06
17.6	1.000479	16.60036	0.999643	16.60002	16.6	1.36E-06
18.4	0.999643	17.39974	1.000263	17.39998	17.4	-8.6E-07
19.2	1.000263	18.2002	0.999805	18.20001	18.2	6.61E-07
20	0.999805	18.99986	1.000144	18.99999	19	-4.4E-07
20.8	1.000144	19.80011	0.999893	19.80001	19.8	3.28E-07
21.6	0.999893	20.59992	1.000079	20.6	20.6	-2.3E-07
22.4	1.000079	21.40006	0.999941	21.4	21.4	1.65E-07
23.2	0.999941	22.19996	1.000043	22.2	22.2	-1.2E-07
24	1.000043	23.00003	0.999968	23	23	8.38E-08
24.8	0.999968	23.79998	1.000024	23.8	23.8	-5.9E-08

Solution

— Analytical   ● Mod-Euler