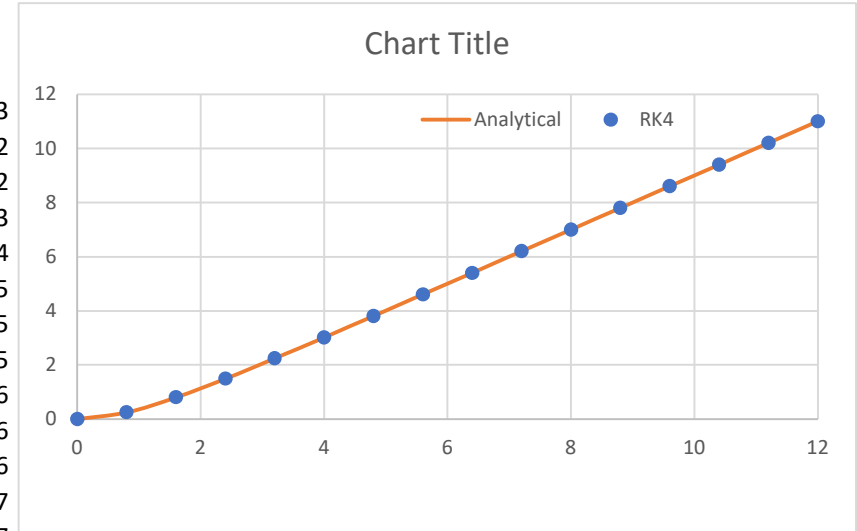


h	0.8 dfdy				-1		
x	k1	k2	k3	k4	Y_New	y_exact	error
0					0	0	
0.8	0	0.4	0.24	0.608	0.251733	0.249329	0.009643
1.6	0.548267	0.72896	0.656683	0.822921	0.804063	0.801897	0.002702
2.4	0.795937	0.877562	0.844912	0.920007	1.492182	1.490718	0.000982
3.2	0.907818	0.944691	0.929942	0.963865	2.241642	2.240762	0.000393
4	0.958358	0.975015	0.968352	0.983676	3.018811	3.018316	0.000164
4.8	0.981189	0.988713	0.985704	0.992626	3.808498	3.80823	7.03E-05
5.6	0.991502	0.994901	0.993542	0.996669	4.603839	4.603698	3.06E-05
6.4	0.996161	0.997697	0.997083	0.998495	5.401734	5.401662	1.34E-05
7.2	0.998266	0.99896	0.998682	0.99932	6.200783	6.200747	5.92E-06
8	0.999217	0.99953	0.999405	0.999693	7.000354	7.000335	2.63E-06
8.8	0.999646	0.999788	0.999731	0.999861	7.80016	7.800151	1.17E-06
9.6	0.99984	0.999904	0.999879	0.999937	8.600072	8.600068	5.21E-07
10.4	0.999928	0.999957	0.999945	0.999972	9.400033	9.40003	2.33E-07
11.2	0.999967	0.99998	0.999975	0.999987	10.20001	10.20001	1.04E-07
12	0.999985	0.999991	0.999989	0.999994	11.00001	11.00001	4.66E-08
12.8	0.999993	0.999996	0.999995	0.999997	11.8	11.8	2.09E-08
13.6	0.999997	0.999998	0.999998	0.999999	12.6	12.6	9.35E-09
14.4	0.999999	0.999999	0.999999	0.999999	13.4	13.4	4.19E-09
15.2	0.999999	1	1	1	14.2	14.2	1.88E-09
16	1	1	1	1	15	15	8.45E-10
16.8	1	1	1	1	15.8	15.8	3.8E-10
17.6	1	1	1	1	16.6	16.6	1.71E-10
18.4	1	1	1	1	17.4	17.4	7.66E-11
19.2	1	1	1	1	18.2	18.2	3.44E-11
20	1	1	1	1	19	19	1.55E-11
20.8	1	1	1	1	19.8	19.8	6.96E-12
21.6	1	1	1	1	20.6	20.6	3.13E-12
22.4	1	1	1	1	21.4	21.4	1.41E-12
23.2	1	1	1	1	22.2	22.2	6.33E-13
24	1	1	1	1	23	23	2.85E-13



$$\begin{aligned}
 k_1 &= f(x_n, y_n) \\
 k_2 &= f(x_n + 0.5h, y_n + h(0.5k_1)) \\
 k_3 &= f(x_n + 0.5h, y_n + h(0.5k_2)) \\
 k_4 &= f(x_n + h, y_n + hk_3) \\
 y^{n+1} &= y^n + h/6(k_1 + 2k_2 + 2k_3 + k_4)
 \end{aligned}$$