

Console

By Simple Explicit Method:

i	x		j-->	0	1	2
	3	4	5	6		
			t-->	0.000	0.070	0.140
	0.210	0.280	0.350	0.420		

0	0.0			1.000	1.000	1.000
	1.000	1.000	1.000	1.000		
1	0.2			0.819	0.974	1.020
	1.034	1.038	1.039	1.040		
2	0.4			0.670	0.830	0.987
	1.066	1.100	1.113	1.117		
3	0.6			0.549	0.718	0.881
	1.039	1.142	1.196	1.222		
4	0.8			0.449	0.631	0.804
	0.969	1.130	1.250	1.324		
5	1.0			0.368	0.565	0.751
	0.928	1.097	1.260	1.393		

By Simple Implicit Method:

i	x		j-->	0	1	2
	3	4	5	6		
			t-->	0.000	0.070	0.140
	0.210	0.280	0.350	0.420		

0	0.0			1.000	1.000	1.000
	1.000	1.000	1.000	1.000		
1	0.2			0.819	0.921	0.982
	1.017	1.038	1.050	1.058		
2	0.4			0.670	0.830	0.948
	1.033	1.091	1.130	1.156		
3	0.6			0.549	0.748	0.915
	1.047	1.149	1.225	1.281		
4	0.8			0.449	0.685	0.891
	1.068	1.213	1.330	1.422		
5	1.0			0.368	0.638	0.882
	1.099	1.286	1.444	1.575		

By Wendroff Method:

x	i		j-->	0	1	2
	3	4	5	6		
			t-->	0.000	0.070	0.140
	0.210	0.280	0.350	0.420		

0.0	0			1.000	1.000	1.000
	1.000	1.000	1.000	1.000		
0.2	1			0.819	0.972	0.999
	1.004	1.005	1.005	1.005		
0.4	2			0.670	0.773	0.940
	0.995	1.010	1.013	1.014		
0.6	3			0.549	0.641	0.730
	0.903	0.987	1.015	1.024		
0.8	4			0.449	0.528	0.618
	0.693	0.864	0.973	1.019		
1.0	5			0.368	0.437	0.512
	0.602	0.663	0.825	0.955		