

h=1

| x | y (Euler) | y (analytical) | Euler-analytical |
|----------|-----------|----------------|------------------|
| 0.000000 | 1.000000 | 1.000000 | |
| 1.000000 | 0.500000 | 0.819592 | 0.319592 |
| 2.000000 | 0.750000 | 1.103638 | 0.353638 |
| 3.000000 | 1.375000 | 1.669390 | 0.294390 |

h=0.5

| x | y (Euler) | y (analytical) | Euler-analytical |
|----------|-----------|----------------|------------------|
| 0.000000 | 1.000000 | 1.000000 | |
| 0.500000 | 0.750000 | 0.836402 | 0.086402 |
| 1.000000 | 0.687500 | 0.819592 | 0.132092 |
| 1.500000 | 0.765625 | 0.917100 | 0.151475 |
| 2.000000 | 0.949219 | 1.103638 | 0.154420 |
| 2.500000 | 1.211914 | 1.359514 | 0.147600 |
| 3.000000 | 1.533936 | 1.669390 | 0.135455 |

h=0.25

| x | y (Euler) | y (analytical) | Euler-analytical |
|----------|-----------|----------------|------------------|
| 0.000000 | 1.000000 | 1.000000 | |
| 0.250000 | 0.875000 | 0.897491 | 0.022491 |
| 0.500000 | 0.796875 | 0.836402 | 0.039527 |
| 0.750000 | 0.759766 | 0.811868 | 0.052102 |
| 1.000000 | 0.758545 | 0.819592 | 0.061047 |
| 1.250000 | 0.788727 | 0.855784 | 0.067057 |
| 1.500000 | 0.846386 | 0.917100 | 0.070714 |
| 1.750000 | 0.928088 | 1.000586 | 0.072498 |
| 2.000000 | 1.030827 | 1.103638 | 0.072812 |
| 2.250000 | 1.151973 | 1.223957 | 0.071984 |
| 2.500000 | 1.289227 | 1.359514 | 0.070288 |
| 2.750000 | 1.440573 | 1.508519 | 0.067945 |
| 3.000000 | 1.604252 | 1.669390 | 0.065139 |