Lista 5, zadanie 5

**t dokładne eulera blad eulera midpoint blad midpoint**

0.0 1.000000 1.000000 0.0000000 1.000000 0.000000

0.1 1.089055 1.100000 -0.010945 1.089250 -0.000195

0.2 1.152947 1.177005 -0.024058 1.153190 -0.000242

0.3 1.188111 1.226004 -0.037893 1.188223 -0.000112

0.4 1.193001 1.243837 -0.050835 1.192814 0.000187

0.5 1.168201 1.229544 -0.061343 1.167589 0.000612

0.6 1.116282 1.184470 -0.068188 1.115189 0.001093

0.7 1.041465 1.112101 -0.070636 1.039919 0.001546

0.8 0.949126 1.017670 -0.068543 0.947234 0.001892

0.9 0.845230 0.907572 -0.062341 0.843158 0.002072

1.0 0.735759 0.788695 -0.052936 0.733705 0.002053

**t rungekutta4 blad rungekutta4 taylora blad taylora**

0.0 1.000000 0.000000e+00 1.000000 0.000000

0.1 1.089055 2.372636e-07 1.110000 -0.020945

0.2 1.152947 4.476750e-07 1.198990 -0.046043

0.3 1.188110 6.688743e-07 1.263150 -0.075040

0.4 1.193000 8.889543e-07 1.301210 -0.108209

0.5 1.168200 1.210566e-06 1.314968 -0.146767

0.6 1.116281 1.513986e-06 1.309639 -0.193357

0.7 1.041463 1.765981e-06 1.294112 -0.252647

0.8 0.949124 1.871721e-06 1.281550 -0.332423

0.9 0.845229 1.698913e-06 1.291879 -0.446649

1.0 0.735758 1.136289e-06 1.361368 -0.625609