Lab Assignment – 25-10-2018

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1.

<u>t</u>	<u>Exact</u>	<u>Implicit</u>	<u>Error</u>	Pred-corrector	<u>Error</u>
0	1	1	0	1	0
0.01	1.027559	1.027559	0	1.027559	0
0.02	1.055899	1.055899	0	1.055899	0
0.03	1.085066	1.084747	0.000319	1.085066	0
0.04	1.115109	1.114441	0.000668	1.114783	0.000326
0.05	1.146083	1.145033	0.00105	1.145396	0.000687
0.06	1.178047	1.176579	0.001468	1.176966	0.001081
0.07	1.211066	1.20914	0.001926	1.209553	0.001514
0.08	1.245214	1.242783	0.00243	1.243224	0.001989
0.09	1.280568	1.277582	0.002986	1.278055	0.002513
0.1	1.317218	1.313618	0.0036	1.314126	0.003092
0.11	1.355263	1.350983	0.00428	1.351529	0.003734
0.12	1.394813	1.389776	0.005037	1.390366	0.004447
0.13	1.435991	1.430111	0.00588	1.43075	0.005241
0.14	1.478939	1.472114	0.006824	1.472809	0.00613
0.15	1.523813	1.515929	0.007885	1.516686	0.007128
0.16	1.570797	1.561716	0.009081	1.562545	0.008252
0.17	1.620097	1.60966	0.010437	1.610571	0.009526
0.18	1.671955	1.659973	0.011982	1.660978	0.010976
0.19	1.726649	1.712897	0.013753	1.714013	0.012636
0.2	1.784509	1.768716	0.015793	1.769961	0.014548