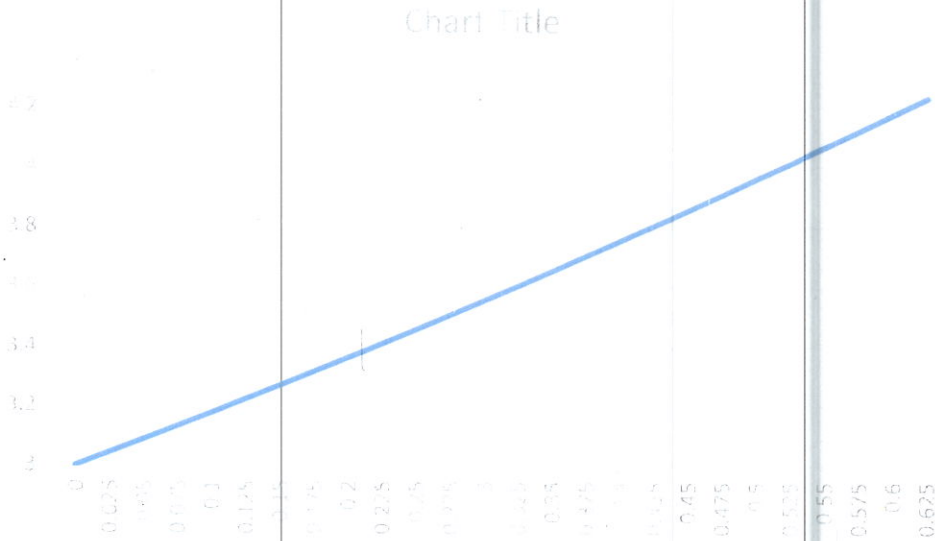


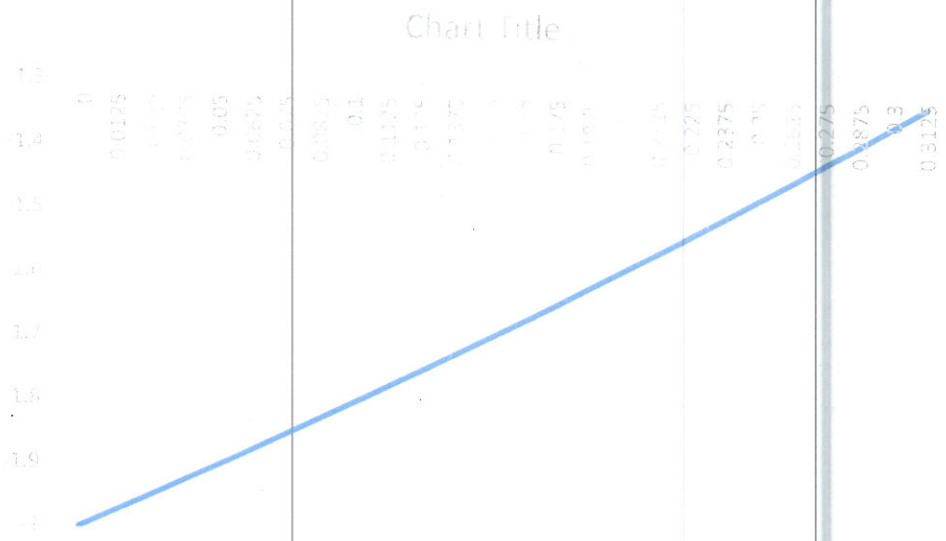
1a 212 #14 key

Step (n)	t_n	y_n	k_n1=f(t_n,y_n)	Delta_t=h	t_n+1/2h	y_n+1/2hk_n1	k_n2
0	0	3	1.732050808	0.025	0.0125	3.021650635	1.741881
1	0.025	3.043547	1.751726974	0.025	0.0375	3.065443978	1.761518
2	0.05	3.087586	1.771323144	0.025	0.0625	3.109727221	1.781075
3	0.075	3.132113	1.790841394	0.025	0.0875	3.154498416	1.800555
4	0.1	3.177127	1.810283712	0.025	0.1125	3.199755665	1.81996
5	0.125	3.222626	1.829652007	0.025	0.1375	3.245497118	1.839293
6	0.15	3.268609	1.848948111	0.025	0.1625	3.291720969	1.858553
7	0.175	3.315073	1.868173784	0.025	0.1875	3.338425459	1.877745
8	0.2	3.362017	1.887330717	0.025	0.2125	3.385608868	1.896868
9	0.225	3.409439	1.906420537	0.025	0.2375	3.43326952	1.915925
10	0.25	3.457338	1.92544481	0.025	0.2625	3.481405775	1.934918
11	0.275	3.505711	1.944405043	0.025	0.2875	3.530016033	1.953846
12	0.3	3.554557	1.963302688	0.025	0.3125	3.579098729	1.972714
13	0.325	3.603876	1.982139146	0.025	0.3375	3.628652334	1.99152
14	0.35	3.653664	2.000915766	0.025	0.3625	3.678675351	2.010267
15	0.375	3.703921	2.019633852	0.025	0.3875	3.729166318	2.028957
16	0.4	3.754645	2.03829466	0.025	0.4125	3.780123803	2.04759
17	0.425	3.805835	2.056899405	0.025	0.4375	3.831546403	2.066167
18	0.45	3.85749	2.07544926	0.025	0.4625	3.883432748	2.08469
19	0.475	3.909607	2.093945361	0.025	0.4875	3.935781493	2.10316
20	0.5	3.962186	2.112388804	0.025	0.5125	3.988591321	2.121578
21	0.525	4.015226	2.130780652	0.025	0.5375	4.041860944	2.139944
22	0.55	4.068725	2.149121931	0.025	0.5625	4.095589097	2.158261
23	0.575	4.122682	2.167413636	0.025	0.5875	4.14977454	2.176528
24	0.6	4.177095	2.185656732	0.025	0.6125	4.204416058	2.194747
25	0.625	4.231964	2.203852152	0.025	0.6375	4.259512461	2.212919



$y_{n+1/2hk_n2}$	k_n3	t_{n+h}	y_{n+hk_n3}	k_n4	$y_{(n+1)}$
3.021773517	1.741917	0.025	3.0435479	1.751727	3.043547
3.06556636	1.761552	0.05	3.0875862	1.771323	3.087586
3.109849116	1.781109	0.075	3.1321134	1.790842	3.132113
3.154619837	1.800589	0.1	3.1771276	1.810284	3.177127
3.199876623	1.819994	0.125	3.222627	1.829652	3.222626
3.245617625	1.839325	0.15	3.2686096	1.848948	3.268609
3.291841036	1.858586	0.175	3.3150738	1.868174	3.315073
3.338545096	1.877777	0.2	3.3620177	1.887331	3.362017
3.385728086	1.8969	0.225	3.4094397	1.906421	3.409439
3.433388328	1.915956	0.25	3.4573382	1.925445	3.457338
3.481524184	1.934948	0.275	3.5057114	1.944405	3.505711
3.530134051	1.953877	0.3	3.5545579	1.963303	3.554557
3.579216365	1.972743	0.325	3.603876	1.982139	3.603876
3.628769596	1.99155	0.35	3.6536643	2.000916	3.653664
3.678792248	2.010297	0.375	3.7039213	2.019634	3.703921
3.729282857	2.028986	0.4	3.7546455	2.038295	3.754645
3.780239991	2.047618	0.425	3.8058356	2.0569	3.805835
3.831662249	2.066195	0.45	3.85749	2.075449	3.85749
3.883548258	2.084718	0.475	3.9096076	2.093945	3.909607
3.935896674	2.103187	0.5	3.9621869	2.112389	3.962186
3.988706181	2.121605	0.525	4.0152266	2.130781	4.015226
4.041975488	2.139971	0.55	4.0687255	2.149122	4.068725
4.095703331	2.158287	0.575	4.1226823	2.167414	4.122682
4.149888471	2.176554	0.6	4.1770957	2.185657	4.177095
4.204529691	2.194773	0.625	4.2319647	2.203852	4.231964
4.259625802	2.212945	0.65	4.2872879	2.222001	4.287288

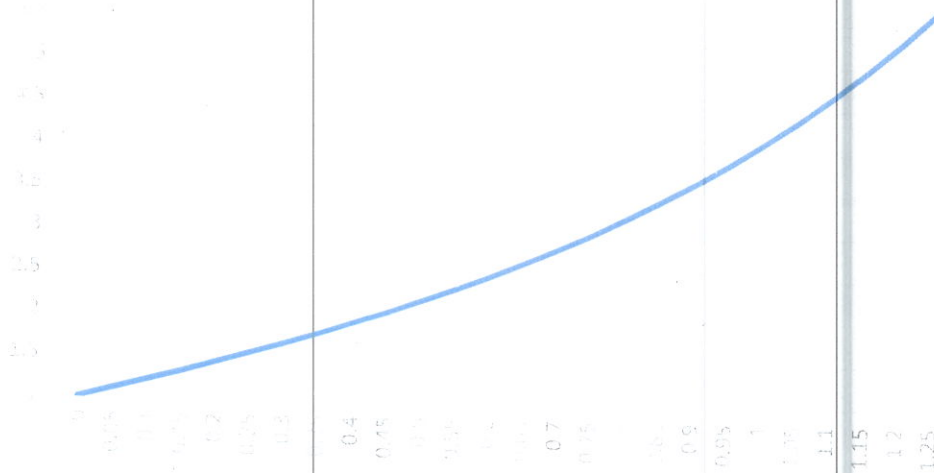
Step (n)	t_n	y_n	$k_{n1}=f(t_n,y_n)$	$\Delta t=h$	$t_{n+1/2h}$	$y_{n+1/2h}$	k_{n2}
0	0	-2	0.8	0.0125	0.00625	-1.995	0.805713
1	0.0125	-1.97651	0.820263707	0.0125	0.01875	-1.971385585	0.82617
2	0.025	-1.95276	0.841181198	0.0125	0.03125	-1.947498144	0.847292
3	0.0375	-1.92873	0.862779835	0.0125	0.04375	-1.923339771	0.869109
4	0.05	-1.90444	0.885088348	0.0125	0.05625	-1.898912431	0.891648
5	0.0625	-1.87989	0.908136917	0.0125	0.06875	-1.874217928	0.914942
6	0.075	-1.85508	0.931957273	0.0125	0.08125	-1.849257881	0.939023
7	0.0875	-1.83001	0.95658279	0.0125	0.09375	-1.824033691	0.963926
8	0.1	-1.80468	0.982048599	0.0125	0.10625	-1.798546514	0.989687
9	0.1125	-1.7791	1.008391698	0.0125	0.11875	-1.772797225	1.016344
10	0.125	-1.75326	1.035651076	0.0125	0.13125	-1.746786388	1.043938
11	0.1375	-1.72716	1.063867838	0.0125	0.14375	-1.720514223	1.072511
12	0.15	-1.70081	1.093085351	0.0125	0.15625	-1.693980573	1.102108
13	0.1625	-1.67421	1.12334938	0.0125	0.16875	-1.667184866	1.132777
14	0.175	-1.64734	1.154708244	0.0125	0.18125	-1.640126082	1.164568
15	0.1875	-1.62022	1.187212976	0.0125	0.19375	-1.612802716	1.197534
16	0.2	-1.59284	1.220917486	0.0125	0.20625	-1.58521274	1.231732
17	0.2125	-1.5652	1.255878733	0.0125	0.21875	-1.557353567	1.26722
18	0.225	-1.5373	1.292156896	0.0125	0.23125	-1.52922201	1.304061
19	0.2375	-1.50913	1.329815548	0.0125	0.24375	-1.500814243	1.342321
20	0.25	-1.48068	1.36892183	0.0125	0.25625	-1.472125762	1.382071
21	0.2625	-1.45196	1.409546606	0.0125	0.26875	-1.443151346	1.423384
22	0.275	-1.42296	1.451764618	0.0125	0.28125	-1.413885012	1.466339
23	0.2875	-1.39367	1.495654609	0.0125	0.29375	-1.384319978	1.511018
24	0.3	-1.36408	1.541299418	0.0125	0.30625	-1.354448619	1.557506
25	0.3125	-1.33419	1.588786024	0.0125	0.31875	-1.324262431	1.605896



$y_{n+1/2hk_n2}$	k_n3	t_{n+h}	y_{n+hk_n3}	k_n4	$y_{(n+1)}$
-1.994964296	4.012312	0.0125	-1.949846	0.838079	-1.97651
-1.971348673	4.035544	0.025	-1.926068	0.859528	-1.95276
-1.94745995	4.056896	0.0375	-1.902044	0.881665	-1.92873
-1.923300217	4.076342	0.05	-1.877778	0.904517	-1.90444
-1.898871432	4.093858	0.0625	-1.853271	0.928115	-1.87989
-1.874175395	4.109426	0.075	-1.828526	0.952488	-1.85508
-1.849213719	4.12303	0.0875	-1.803545	0.97767	-1.83001
-1.823987796	4.134659	0.1	-1.778329	1.003695	-1.80468
-1.798498776	4.144305	0.1125	-1.752881	1.030597	-1.7791
-1.772747524	4.151965	0.125	-1.7272	1.058415	-1.75326
-1.746734597	4.157637	0.1375	-1.701289	1.087188	-1.72716
-1.720460205	4.161326	0.15	-1.675147	1.116958	-1.70081
-1.693924181	4.163039	0.1625	-1.648774	1.147768	-1.67421
-1.667125942	4.162786	0.175	-1.622171	1.179665	-1.64734
-1.640064456	4.16058	0.1875	-1.595336	1.212696	-1.62022
-1.612738206	4.156439	0.2	-1.568267	1.246914	-1.59284
-1.58514515	4.150383	0.2125	-1.540964	1.282373	-1.5652
-1.557282686	4.142434	0.225	-1.513422	1.319128	-1.5373
-1.529147611	4.132617	0.2375	-1.48564	1.35724	-1.50913
-1.500736083	4.120961	0.25	-1.457614	1.396771	-1.48068
-1.47204358	4.107496	0.2625	-1.429338	1.437789	-1.45196
-1.44306486	4.092254	0.275	-1.400808	1.480362	-1.42296
-1.413793921	4.075269	0.2875	-1.372018	1.524565	-1.39367
-1.384223959	4.056578	0.3	-1.342961	1.570473	-1.36408
-1.354347326	4.036216	0.3125	-1.313629	1.618167	-1.33419
-1.324155495	4.014223	0.325	-1.284015	1.66773	-1.30399

Step (n)	t_n	y_n	k_n1=f(t_n,y_n)	Delta_t=h	t_n+1/2h	y_n+1/2hk_n1	k_n2
0	0	0	1	0.05	0.025	1.05	2.025
1	0.05	1.101293	2.052585417	0.05	0.075	1.152607344	2.080215
2	0.1	1.205351	2.110701285	0.05	0.125	1.258118175	2.141236
3	0.15	1.312465	2.174929249	0.05	0.175	1.366837855	2.208676
4	0.2	1.422956	2.24591212	0.05	0.225	1.479103863	2.283208
5	0.25	1.53718	2.324360319	0.05	0.275	1.595289168	2.365578
6	0.3	1.655529	2.411058981	0.05	0.325	1.715805965	2.456612
7	0.35	1.778438	2.506875813	0.05	0.375	1.841109802	2.55722
8	0.4	1.906385	2.612769782	0.05	0.425	1.971704135	2.668408
9	0.45	2.0399	2.729800707	0.05	0.475	2.108145371	2.791291
10	0.5	2.17957	2.859139872	0.05	0.525	2.251048433	2.927097
11	0.55	2.326041	3.002081745	0.05	0.575	2.401092916	3.077186
12	0.6	2.480028	3.160056934	0.05	0.625	2.55902989	3.24306
13	0.65	2.642323	3.334646505	0.05	0.675	2.725689415	3.426379
14	0.7	2.813799	3.527597807	0.05	0.725	2.901988849	3.628978
15	0.75	2.995421	3.740841958	0.05	0.775	3.088942028	3.852884
16	0.8	3.188257	3.976513174	0.05	0.825	3.287669416	4.100339
17	0.85	3.393485	4.236970128	0.05	0.875	3.499409317	4.373819
18	0.9	3.61241	4.524819557	0.05	0.925	3.725530268	4.676061
19	0.95	3.846471	4.842942351	0.05	0.975	3.967544734	5.010089
20	1	4.097261	5.194522384	0.05	1.025	4.227124251	5.379249
21	1.05	4.366539	5.583078382	0.05	1.075	4.50611615	5.787232
22	1.1	4.65625	6.012499138	0.05	1.125	4.806562047	6.238124
23	1.15	4.968541	6.487082432	0.05	1.175	5.130718277	6.736437
24	1.2	5.305789	7.011578048	0.05	1.225	5.481078475	7.287157
25	1.25	5.670618	7.591235304	0.05	1.275	5.860398534	7.895797

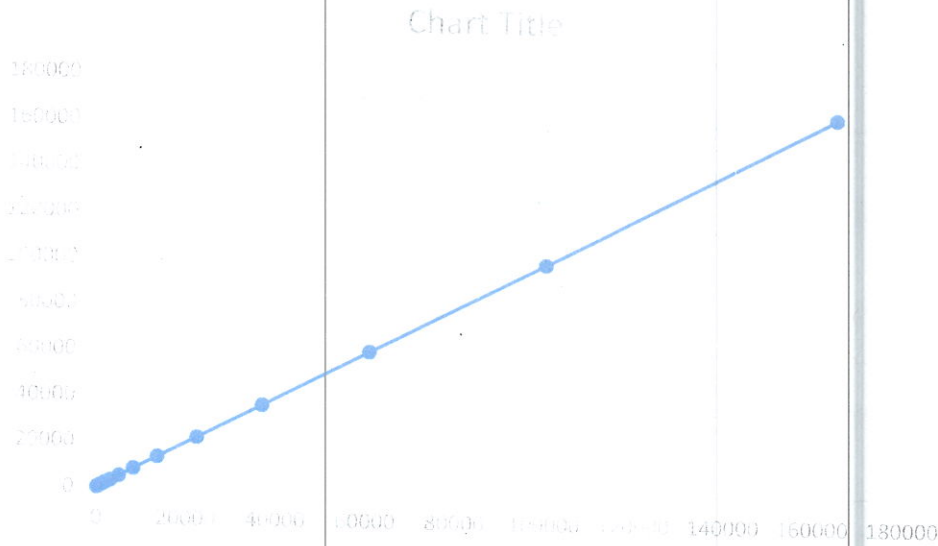
Chart Title



$y_{n+1/2hk_n2}$	k_n3	t_{n+h}	y_{n+hk_n3}	k_n4	$y_{(n+1)}$
1.050625	2.02625	0.05	1.1013125	2.052625	1.101293
1.153298076	2.081596	0.1	1.2053725	2.110745	1.205351
1.258881551	2.142763	0.15	1.3124888	2.174978	1.312465
1.367681517	2.210363	0.2	1.4229828	2.245966	1.422956
1.480036253	2.285073	0.25	1.5372097	2.324419	1.53718
1.596319618	2.367639	0.3	1.6555621	2.411124	1.655529
1.716944789	2.45889	0.35	1.778474	2.506948	1.778438
1.842368397	2.559737	0.4	1.9064247	2.612849	1.906385
1.973095098	2.67119	0.45	2.0399444	2.729889	2.0399
2.109682622	2.794365	0.5	2.1796186	2.859237	2.17957
2.252747358	2.930495	0.55	2.3260947	3.002189	2.326041
2.402970518	3.080941	0.6	2.4800879	3.160176	2.480028
2.561104961	3.24721	0.65	2.642389	3.334778	2.642323
2.727982723	3.430965	0.7	2.8138715	3.527743	2.813799
2.904523346	3.634047	0.75	2.9955012	3.741002	2.995421
3.09174308	3.858486	0.8	3.1883453	3.976691	3.188257
3.290765058	4.10653	0.85	3.3935831	4.237166	3.393485
3.50283053	4.380661	0.9	3.6125181	4.525036	3.61241
3.729311292	4.683623	0.95	3.8465909	4.843182	3.846471
3.971723412	5.018447	1	4.0973935	5.194787	4.097261
4.231742404	5.388485	1.05	4.3666854	5.583371	4.366539
4.511219998	5.79744	1.1	4.6564112	6.012822	4.65625
4.812202671	6.249405	1.15	4.9687198	6.48744	4.968541
5.13695213	6.748904	1.2	5.3059864	7.011973	5.305789
5.487967948	7.300936	1.25	5.6708358	7.591672	5.670618
5.868012579	7.911025	1.3	6.0661689	8.232338	6.065928

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Step (n)	t_n	x_n	y_n	kx_n1=f(t_n,x_n)	ky_n1=f(t_n,x_n)	Delta_t=h	t_{n+1/2}	x_{n+1/2}	h_k
0	0	0	1	0	1	4	0.25	0.125	1.125
1	0.25	1.448242	0.803385	-0.103515625	4.186197917	0.25	0.375	1.435303	
2	0.5	2.191091	1.866932	-1.617818409	5.030499352	0.25	0.625	1.988863	
3	0.75	3.354757	3.376886	-2.290485784	6.665256132	0.25	0.875	3.068446	
4	1	5.216622	5.602424	-1.566756637	9.661639645	0.25	1.125	5.020777	
5	1.25	8.232484	8.993769	1.4649681	14.94239747	0.25	1.375	8.415605	
6	1.5	13.15272	14.29751	8.305439181	24.01585425	0.25	1.625	14.1909	
7	1.75	21.21361	22.74736	21.42721662	39.3597154	0.25	1.875	23.89201	
8	2	34.45263	36.37904	44.90525492	65.05243102	0.25	2.125	40.06578	
9	2.25	56.22812	58.54971	85.45624631	107.8130681	0.25	2.375	66.91015	
10	2.5	92.07591	94.79439	154.1518199	178.7148691	0.25	2.625	111.3449	
11	2.75	151.1213	154.2378	269.2425802	296.0095345	0.25	2.875	184.7766	
12	3	248.4067	251.922	460.8133151	489.7825968	0.25	3.125	306.0083	
13	3.25	408.7284	412.6431	778.4567858	809.6273233	0.25	3.375	506.0355	
14	3.5	672.9617	677.2762	1303.923471	1337.294536	0.25	3.625	835.9522	
15	3.75	1108.487	1113.201	2171.973864	2207.544962	0.25	3.875	1379.984	
16	4	1826.376	1831.491	3604.752176	3642.52297	0.25	4.125	2276.97	
17	4.25	3009.725	3015.239	5968.449224	6008.419488	0.25	4.375	3755.781	
18	4.5	4960.354	4966.269	9866.707669	9908.877246	0.25	4.625	6193.692	
19	4.75	8175.797	8182.113	16294.59469	16338.96348	0.25	4.875	10212.62	
20	5	13476.21	13482.92	26892.41635	26938.98427	0.25	5.125	16837.76	
21	5.25	22213.56	22220.67	44364.11462	44412.88163	0.25	5.375	27759.07	
22	5.5	36616.48	36624	73166.96892	73217.93498	0.25	5.625	45762.36	
23	5.75	60358.76	60366.68	120648.5257	120701.6908	0.25	5.875	75439.83	
24	6	99496.38	99504.7	198920.7561	198976.1202	0.25	6.125	124361.5	
25	6.25	164012.2	164021	327949.4876	328007.0508	0.25	6.375	205005.9	

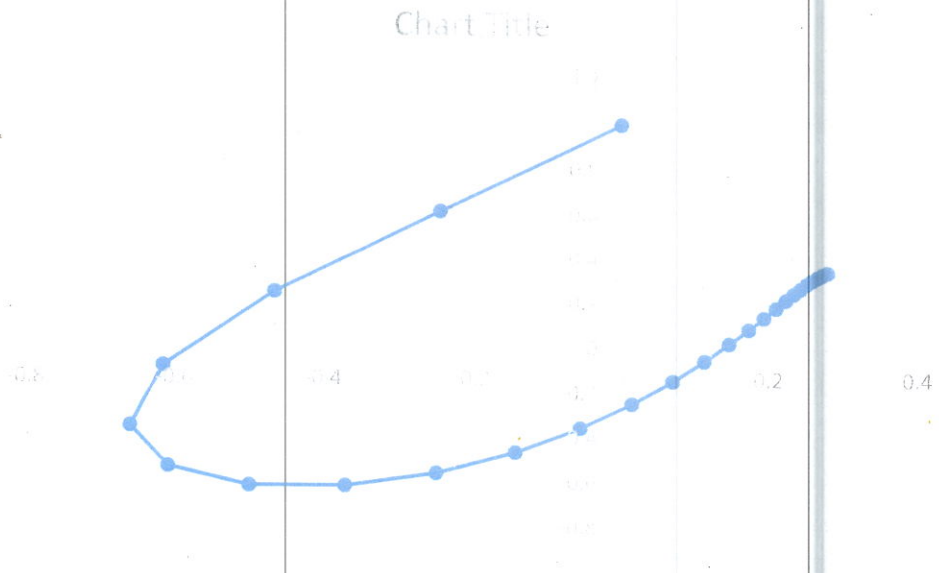


y _{n+1/2} hky _{n1}	kx _{n2}	ky _{n2}	x _{n+1/2} hky _{n+1/2} hky _{n2}	kx _{n3}	ky _{n3}	t _{n+h}	
0.5	1.75	3.5	1.21875	0.4375	1.78125	4	0.25
1.326660156	3.136963	3.087891	1.840363	1.189371745	3.404734294	4.982707	0.5
2.495744334	5.109608	2.963965	2.829792	2.237427579	5.692219353	6.844312	0.75
4.210043166	8.15349	3.853699	4.373943	3.858598551	9.107541852	9.778576	1
6.810128496	12.95591	6.462851	6.83611	6.410279967	14.37138985	14.52388	1.25
10.86156905	20.65217	11.93928	10.81401	10.48617963	22.67518544	22.28366	1.5
17.29949384	33.11539	22.16461	17.29214	17.06808834	35.98523209	35.0324	1.75
27.66732334	53.43433	40.23339	27.8929	27.77653328	57.5444333	56.01853	2
44.51059329	86.70138	71.24195	45.2903	45.28428326	92.69958292	90.59263	2.25
72.02634578	141.3115	123.5879	73.89206	73.99820279	150.2652634	147.5718	2.5
117.133744	231.1036	211.1121	120.9639	121.1833931	244.772257	241.4887	2.75
191.2390048	378.8906	356.6284	198.4826	198.8163681	400.1739853	396.2977	3
313.1448412	622.2782	597.7436	326.1914	326.6399673	655.9563952	651.4858	3.25
513.8465396	1023.257	996.4489	536.6355	537.1992348	1077.209757	1072.144	3.5
844.4380199	1684.015	1654.933	883.4636	884.1427826	1771.231417	1765.569	3.75
1389.144503	2773.003	2741.646	1455.112	1455.90709	2914.894418	2908.635	4
2286.806062	4567.901	4534.268	2397.364	2398.27423	4799.762964	4792.906	4.25
3766.291917	7526.448	7490.539	3950.531	3951.556884	7906.462457	7899.009	4.5
6204.878702	12403.2	12365.01	6510.753	6511.895518	13027.27385	13019.22	4.75
10224.48339	20441.98	20401.52	10731.04	10732.30295	21468.2228	21459.57	5
16850.29725	33693.18	33650.45	17687.86	17689.23001	35382.21099	35372.96	5.25
27772.28401	55536.73	55491.72	29155.65	29157.13863	58318.16227	58308.32	5.5
45776.2433	91544.22	91496.94	48059.51	48061.11839	96126.25583	96115.81	5.75
75454.39165	150900.1	150850.5	79221.27	79222.99667	158450.1464	158439.1	6
124376.711	248744.3	248692.5	130589.4	130591.2545	261186.7962	261175.2	6.25
205021.8436	410034.1	409980	215266.5	215268.4662	430541.3536	430529.1	6.5

x_n+hkx_r	y_n+hky_n3	kx_n4	ky_n4	x_n+1	y_(n+1)
1.445313	1	2.6953125	3.78125	1.448242	0.803385
2.299426	2.0490621	4.8484879	5.099579	2.191091	1.866932
3.614146	3.5780099	7.9421555	7.300563	3.354757	3.376886
5.631643	5.8215302	12.453173	10.88351	5.216622	5.602424
8.809469	9.2333934	19.292863	16.77109	8.232484	8.993769
13.90128	14.564685	29.965966	26.47575	13.15272	14.29751
22.14903	23.055612	46.954639	42.48489	21.21361	22.74736
35.59972	36.751992	74.351709	68.89488	34.45263	36.37904
57.62752	59.027197	118.90472	112.4557	56.22812	58.54971
93.79444	95.442671	191.73711	184.2924	92.07591	94.79439
153.269	155.16655	311.18553	302.7428	151.1213	154.2378
251.1648	253.31225	507.47703	498.0347	248.4067	251.922
412.3958	414.79346	830.43922	819.9961	408.7284	412.6431
678.0308	680.67903	1362.2099	1350.765	672.9617	677.2762
1115.77	1118.6684	2238.188	2225.741	1108.487	1113.201
1837.211	1840.3602	3681.5707	3668.122	1826.376	1831.491
3026.317	3029.7173	6060.2841	6045.833	3009.725	3015.239
4986.34	4989.9916	9980.8318	9965.378	4960.354	4966.269
8217.172	8221.0746	16442.997	16426.54	8175.797	8182.113
13542.85	13547.006	27094.859	27077.4	13476.21	13482.92
22321.76	22326.165	44653.176	44634.71	22213.56	22220.67
36793.1	36797.753	73596.351	73576.89	36616.48	36624
60648.05	60652.955	121306.75	121286.3	60358.76	60366.68
99971.3	99976.457	199953.76	199932.3	99496.38	99504.7
164793.1	164798.49	329597.81	329575.3	164012.2	164021
271647.6	271653.24	543307.32	543283.8	270362.6	270371.7

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Step (n)	t_n	x_n	y_n	kx_n1=f(t_n,x_n,	ky_n1=f(t_n,x_n,	Delta_t=h	t_n+1/2h	x_n+1/2hk
0	0	0	0	1	-1	-2	0.25	0.125 -0.125
1	0.25	-0.24374	0.613222	-1.006432207	-1.808202452	0.25	0.375	-0.36955
2	0.5	-0.46574	0.249543	-0.831507188	-1.780088852	0.25	0.625	-0.56968
3	0.75	-0.61481	-0.0819	-0.482550638	-1.730973981	0.25	0.875	-0.67513
4	1	-0.65911	-0.35166	-0.075661592	-1.505782193	0.25	1.125	-0.66857
5	1.25	-0.60766	-0.5324	0.248254189	-1.081695251	0.25	1.375	-0.57663
6	1.5	-0.49824	-0.6166	0.42558307	-0.568712139	0.25	1.625	-0.44504
7	1.75	-0.36959	-0.61728	0.475833194	-0.102362879	0.25	1.875	-0.31012
8	2	-0.24654	-0.55818	0.449257002	0.239136128	0.25	2.125	-0.19038
9	2.25	-0.1401	-0.46408	0.388994266	0.442842915	0.25	2.375	-0.09147
10	2.5	-0.05281	-0.3552	0.321148526	0.533203405	0.25	2.625	-0.01267
11	2.75	0.01675	-0.24557	0.258205955	0.545501223	0.25	2.875	0.049025
12	3	0.071394	-0.14352	0.204666709	0.511466498	0.25	3.125	0.096977
13	3.25	0.114051	-0.05315	0.161137989	0.45451178	0.25	3.375	0.134193
14	3.5	0.147314	0.024247	0.126639227	0.389876957	0.25	3.625	0.163144
15	3.75	0.173321	0.089027	0.099724239	0.326478737	0.25	3.875	0.185787
16	4	0.193775	0.142406	0.078963666	0.268918127	0.25	4.125	0.203645
17	4.25	0.210014	0.185946	0.063119045	0.219098054	0.25	4.375	0.217904
18	4.5	0.223087	0.221268	0.051181383	0.177363975	0.25	4.625	0.229485
19	4.75	0.233818	0.24989	0.042356734	0.143245078	0.25	4.875	0.239113
20	5	0.242861	0.273168	0.03603554	0.115906907	0.25	5.125	0.247366
21	5.25	0.250745	0.292269	0.031760947	0.094411943	0.25	5.375	0.254715
22	5.5	0.257906	0.308187	0.029201739	0.077859519	0.25	5.625	0.261556
23	5.75	0.264717	0.321761	0.028131491	0.065453537	0.25	5.875	0.268233
24	6	0.271511	0.3337	0.028414152	0.056529248	0.25	6.125	0.275063
25	6.25	0.278604	0.34462	0.02999596	0.050558494	0.25	6.375	0.282353



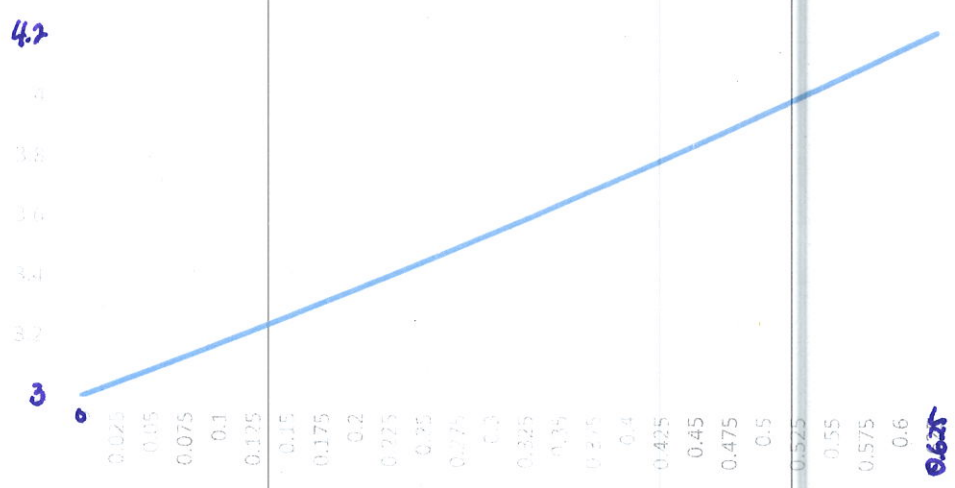
$y_{n+1/2}hky_{n1}$	kx_{n2}	ky_{n2}	$x_{n+1/2}hky_{n+1/2}hky_{n2}$	kx_{n3}	ky_{n3}	t_{n+h}	
0.75	-0.96875	-1.78125	-0.12109	0.77734375	-0.99256897	-1.82384	0.25
0.387196228	-0.89983	-1.73995	-0.35622	0.395728403	-0.892916503	-1.71915	0.5
0.027031576	-0.61211	-1.7477	-0.54226	0.031079559	-0.590188549	-1.67207	0.75
-0.298274871	-0.17548	-1.63021	-0.63674	-0.285678842	-0.169160415	-1.52078	1
-0.539885466	0.232269	-1.28687	-0.63007	-0.51252206	0.205374699	-1.18811	1.25
-0.667608827	0.475943	-0.77962	-0.54817	-0.629849623	0.426946129	-0.73006	1.5
-0.687693413	0.548705	-0.26578	-0.42965	-0.649826357	0.499375158	-0.26849	1.75
-0.630078691	0.51536	0.134413	-0.30517	-0.600481739	0.478558799	0.102187	2
-0.528290011	0.438485	0.38486	-0.19173	-0.510074496	0.41614227	0.347171	2.25
-0.40872062	0.354634	0.505634	-0.09577	-0.400871741	0.343494182	0.476047	2.5
-0.288552587	0.279538	0.535437	-0.01787	-0.288273404	0.275553411	0.517779	2.75
-0.177381832	0.217711	0.510536	0.043964	-0.181752465	0.21772554	0.503386	3
-0.079585897	0.168845	0.457822	0.0925	-0.08629152	0.170809128	0.458064	3.25
0.003665104	0.13102	0.394757	0.130428	-0.003804234	0.133736316	0.399389	3.5
0.072981605	0.102069	0.331563	0.160073	0.065692339	0.104896149	0.338319	3.75
0.129837176	0.080072	0.273564	0.18333	0.123222827	0.082697837	0.280954	4
0.176020818	0.06347	0.223049	0.201709	0.17028716	0.065770053	0.230204	4.25
0.213333746	0.051057	0.180558	0.216396	0.208516276	0.053002068	0.187034	4.5
0.243438165	0.041912	0.145713	0.228326	0.239481744	0.043524269	0.151335	4.75
0.26779571	0.03535	0.117713	0.238237	0.264604208	0.036671036	0.122463	5
0.287655896	0.030866	0.095629	0.24672	0.285121172	0.031943297	0.099571	5.25
0.304070459	0.028096	0.078553	0.254257	0.302088085	0.028976845	0.081787	5.5
0.317919576	0.02679	0.065675	0.261254	0.316396482	0.02751792	0.06831	5.75
0.329942203	0.026792	0.056313	0.268066	0.328799687	0.027405899	0.058458	6
0.340766639	0.028029	0.049923	0.275015	0.339940906	0.028562663	0.051674	6.25
0.350939705	0.030502	0.046091	0.282416	0.350381242	0.030988446	0.047533	6.5

x_n+hkx_r	y_n+hky_n3	kx_n4	ky_n4	x_n+1	y_(n+1)
-0.24814	0.5440407	-0.927182	-1.69751	-0.24374	0.613222
-0.46697	0.1834331	-0.736063	-1.68212	-0.46574	0.249543
-0.61329	-0.168476	-0.341489	-1.60624	-0.61481	-0.0819
-0.6571	-0.462097	0.1086421	-1.35074	-0.65911	-0.35166
-0.60776	-0.648689	0.435175	-0.92016	-0.60766	-0.5324
-0.50092	-0.714911	0.5721042	-0.43106	-0.49824	-0.6166
-0.37339	-0.683726	0.5656317	-0.00802	-0.36959	-0.61728
-0.24996	-0.591737	0.489689	0.2857	-0.24654	-0.55818
-0.1425	-0.471389	0.3960609	0.448096	-0.1401	-0.46408
-0.05422	-0.345064	0.3095508	0.508745	-0.05281	-0.3552
0.016074	-0.225758	0.2382036	0.503368	0.01675	-0.24557
0.071181	-0.119723	0.182382	0.461511	0.071394	-0.14352
0.114096	-0.029003	0.1397903	0.403604	0.114051	-0.05315
0.147485	0.0466985	0.1076737	0.34217	0.147314	0.024247
0.173538	0.1088266	0.0835973	0.284076	0.173321	0.089027
0.193996	0.159266	0.0656267	0.232558	0.193775	0.142406
0.210218	0.199957	0.052295	0.188704	0.210014	0.185946
0.223265	0.232705	0.0425145	0.152429	0.223087	0.221268
0.233968	0.2591014	0.0354883	0.12308	0.233818	0.24989
0.242986	0.2805059	0.0306388	0.099786	0.242861	0.273168
0.250847	0.2980603	0.0275543	0.081653	0.250745	0.292269
0.257989	0.3127156	0.0259508	0.067859	0.257906	0.308187
0.264785	0.3252647	0.0256457	0.057701	0.264717	0.321761
0.271568	0.3363749	0.0265419	0.050606	0.271511	0.3337
0.278652	0.3466189	0.028619	0.046132	0.278604	0.34462
0.286351	0.3565032	0.0319324	0.043961	0.286308	0.355061

HW #13 (212)
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Step (n)	t_n	y_n	$k_1=f(t_n, y_n)$	$\Delta t=h$	t_{n+1}	u_{n+1}	$k_2=f(t_{n+1}, u_{n+1})$
0	0	3	1.732050808	0.025	0.025	3.043301	1.751656722
1	0.025	3.043546	1.751726675	0.025	0.05	3.08734	1.771253655
2	0.05	3.087584	1.771322556	0.025	0.075	3.131867	1.790772644
3	0.075	3.13211	1.790840526	0.025	0.1	3.176881	1.810215678
4	0.1	3.177123	1.810282572	0.025	0.125	3.22238	1.829584667
5	0.125	3.222621	1.829650604	0.025	0.15	3.268363	1.848881445
6	0.15	3.268603	1.848946452	0.025	0.175	3.314827	1.868107771
7	0.175	3.315066	1.868171876	0.025	0.2	3.36177	1.887265338
8	0.2	3.362009	1.887328568	0.025	0.225	3.409192	1.906355775
9	0.225	3.40943	1.906418154	0.025	0.25	3.457091	1.925380646
10	0.25	3.457328	1.9254422	0.025	0.275	3.505464	1.944341462
11	0.275	3.5057	1.944402211	0.025	0.3	3.55431	1.963239673
12	0.3	3.554545	1.963299642	0.025	0.325	3.603628	1.982076682
13	0.325	3.603863	1.98213589	0.025	0.35	3.653416	2.000853839
14	0.35	3.65365	2.000912307	0.025	0.375	3.703673	2.019572447
15	0.375	3.703906	2.019630194	0.025	0.4	3.754397	2.038233763
16	0.4	3.754629	2.038290808	0.025	0.425	3.805587	2.056839004
17	0.425	3.805819	2.056895365	0.025	0.45	3.857241	2.075389343
18	0.45	3.857472	2.075445036	0.025	0.475	3.909358	2.093885915
19	0.475	3.909589	2.093940958	0.025	0.5	3.961937	2.112329818
20	0.5	3.962167	2.112384227	0.025	0.525	4.014977	2.130722114
21	0.525	4.015206	2.130775903	0.025	0.55	4.068475	2.149063831
22	0.55	4.068704	2.149117016	0.025	0.575	4.122432	2.167355963
23	0.575	4.12266	2.167408558	0.025	0.6	4.176845	2.185599477
24	0.6	4.177072	2.185651495	0.025	0.625	4.231714	2.203795305
25	0.625	4.231941	2.203846761	0.025	0.65	4.287037	2.221944354

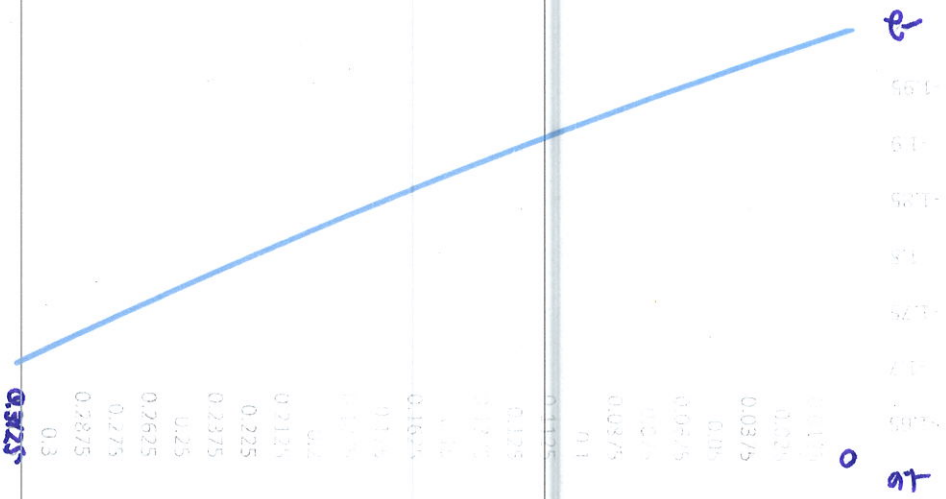
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Step (n)	t_n	y_n	k_1=f(t_n,y_n)	Delta_t=h	t_{n+1}	u_{n+1}	k_2=f(t_{n+1},y_{n+1})
0	0	-2	0.8	0.0125	0.0125	-1.99	0.811450374
1	0.0125	-1.98993	0.811496792	0.0125	0.025	-1.97978	0.823143708
2	0.025	-1.97971	0.823191567	0.0125	0.0375	-1.96942	0.835041607
3	0.0375	-1.96935	0.835090972	0.0125	0.05	-1.95891	0.847151017
4	0.05	-1.95883	0.847201957	0.0125	0.0625	-1.94824	0.859479201
5	0.0625	-1.94817	0.859531788	0.0125	0.075	-1.93742	0.872033756
6	0.075	-1.93734	0.872088068	0.0125	0.0875	-1.92644	0.884822637
7	0.0875	-1.92636	0.884878755	0.0125	0.1	-1.9153	0.897854175
8	0.1	-1.91522	0.897912186	0.0125	0.1125	-1.904	0.911137099
9	0.1125	-1.90392	0.911197096	0.0125	0.125	-1.89253	0.924680563
10	0.125	-1.89244	0.924742643	0.0125	0.1375	-1.88088	0.938494168
11	0.1375	-1.8808	0.938558435	0.0125	0.15	-1.86906	0.952587992
12	0.15	-1.86898	0.952654556	0.0125	0.1625	-1.85707	0.96697262
13	0.1625	-1.85698	0.967041599	0.0125	0.175	-1.84489	0.981659174
14	0.175	-1.8448	0.981730693	0.0125	0.1875	-1.83253	0.996659348
15	0.1875	-1.83243	0.996733541	0.0125	0.2	-1.81998	1.011985446
16	0.2	-1.81988	1.012062455	0.0125	0.2125	-1.80723	1.02765042
17	0.2125	-1.80713	1.027730398	0.0125	0.225	-1.79429	1.043667915
18	0.225	-1.79419	1.043751023	0.0125	0.2375	-1.78114	1.06005231
19	0.2375	-1.78104	1.060138723	0.0125	0.25	-1.76779	1.076818774
20	0.25	-1.76768	1.076908677	0.0125	0.2625	-1.75422	1.093983313
21	0.2625	-1.75411	1.094076906	0.0125	0.275	-1.74044	1.111562834
22	0.275	-1.74033	1.111660331	0.0125	0.2875	-1.72643	1.129575202
23	0.2875	-1.72632	1.129676831	0.0125	0.3	-1.7122	1.14803931
24	0.3	-1.71208	1.148145317	0.0125	0.3125	-1.69773	1.16697515
25	0.3125	-1.69761	1.167085799	0.0125	0.325	-1.68303	1.186403894

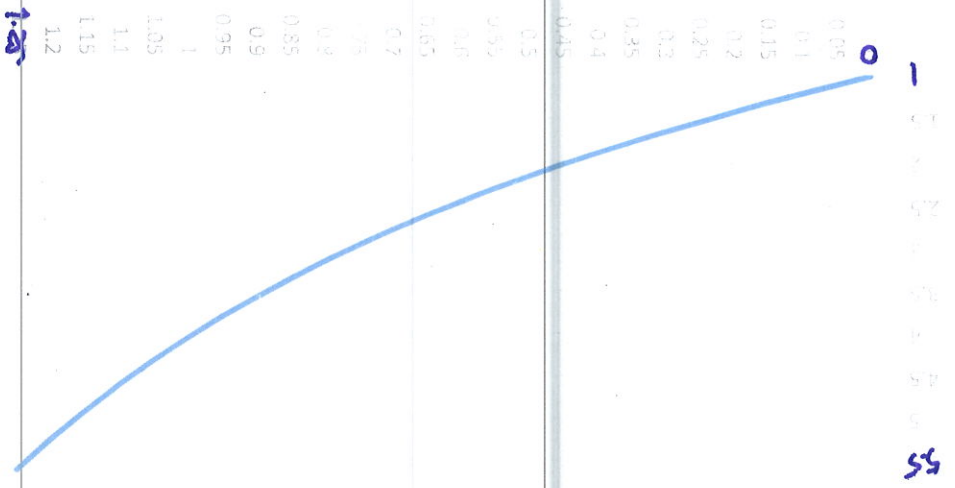
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Step (n)	t_n	y_n	$k_1=f(t_n, y_n)$	$\Delta t=h$	t_{n+1}	u_{n+1}	$k_2=f(t_{n+1}, u_{n+1})$
0	0	0	1	2	0.05	1.1	2.05
1	0.05	1.10125	2.0525	0.05	0.1	1.203875	2.10775
2	0.1	1.205256	2.1105125	0.05	0.15	1.310782	2.17156375
3	0.15	1.312308	2.174616313	0.05	0.2	1.421039	2.242077944
4	0.2	1.422726	2.245451025	0.05	0.25	1.534998	2.319996128
5	0.25	1.536862	2.323723383	0.05	0.3	1.653048	2.406095721
6	0.3	1.655107	2.410214338	0.05	0.35	1.775618	2.501235772
7	0.35	1.777893	2.505786844	0.05	0.4	1.903183	2.606365528
8	0.4	1.905697	2.611394462	0.05	0.45	2.036267	2.722533909
9	0.45	2.039045	2.728090881	0.05	0.5	2.17545	2.850899969
10	0.5	2.17852	2.857040423	0.05	0.55	2.321372	2.992744466
11	0.55	2.324765	2.999529668	0.05	0.6	2.474741	3.149482635
12	0.6	2.47849	3.156980283	0.05	0.65	2.636339	3.322678311
13	0.65	2.640482	3.330963213	0.05	0.7	2.80703	3.514059534
14	0.7	2.811607	3.52321435	0.05	0.75	2.987768	3.725535785
15	0.75	2.992826	3.735651857	0.05	0.8	3.179609	3.959217042
16	0.8	3.185198	3.970395302	0.05	0.85	3.383717	4.217434832
17	0.85	3.389893	4.229786808	0.05	0.9	3.601383	4.502765489
18	0.9	3.608207	4.516414423	0.05	0.95	3.834028	4.818055865
19	0.95	3.841569	4.833137938	0.05	1	4.083226	5.166451731
20	1	4.091559	5.183117421	0.05	1.05	4.350715	5.551429163
21	1.05	4.359922	5.56984475	0.05	1.1	4.638415	5.976829225
22	1.1	4.648589	5.997178449	0.05	1.15	4.948448	6.446896294
23	1.15	4.959691	6.469382186	0.05	1.2	5.28316	6.966320405
24	1.2	5.295584	6.991167316	0.05	1.25	5.645142	7.540284047
25	1.25	5.65887	7.567739884	0.05	1.3	6.037257	8.174513872

Chart title



1.2