

**Calculation #1. Thu Dec 28 11:42:55 EST 2023**

Entered number of coefficients of Pade function is: 3

Required error of approximation is: 0.01

Probability function parameter beta=2.0727682 eta=1.0019438

Calculated correlation coefficient is 0.9990280583608917

Coefficient of determination is 0.9855101997954171

Maximum error is 0.07114915429082248 at x=3.91619793862935

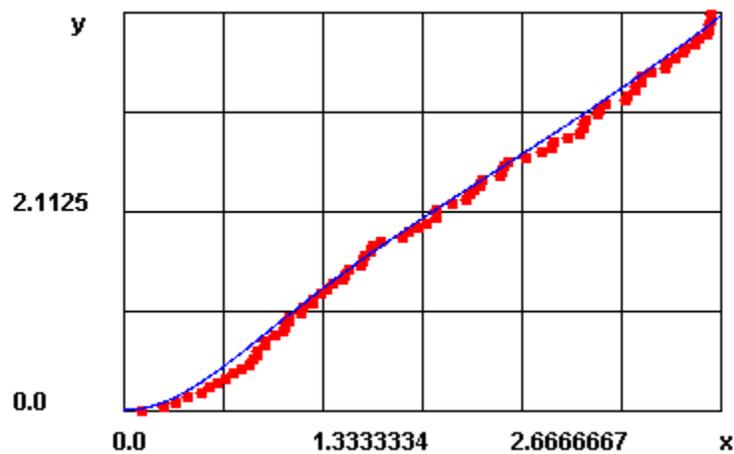
Standard deviation (residual error) is 0.054700980486738555

Number of iterations without significant changing of Standard Deviation is 1

**Approximation formula:**

$$(x/1.0019438)^{2.0727682}(1.2918677+0.06436612X)/(1.0+0.5501749X),$$

where  $X=x^{2.0}$

**Given and calculated data:**

x-coordinates	Given y-coordinates	Calculated y-coordinates
0.105790645	0.025	0.0121605005
0.24001628	0.075	0.06494509
0.32601187	0.125	0.119709596
0.40744305	0.175	0.1848624
0.49794468	0.225	0.27014184
0.5542002	0.275	0.3288055
0.6083188	0.325	0.38857847
0.66120434	0.375	0.4495916
0.71355784	0.425	0.51202214

0.7659786	0.475	0.57609916
0.8190278	0.525	0.64211553
0.8445211	0.575	0.6741453
0.8732779	0.625	0.7104465
0.87554425	0.675	0.7133137
0.9219819	0.725	0.7722041
0.92936033	0.775	0.7815789
0.98802274	0.825	0.8561573
1.0457498	0.875	0.929412
1.0620275	0.925	0.9500082
1.0925181	0.975	0.98848903
1.0929775	1.025	0.9890678
1.1639993	1.075	1.0780602
1.1823317	1.125	1.1008606
1.2433349	1.175	1.1761522
1.2472067	1.225	1.180899
1.298453	1.275	1.2433493
1.334978	1.325	1.2874168
1.3770636	1.375	1.3377223
1.4464235	1.425	1.4195124
1.4589422	1.475	1.4341265
1.4887574	1.525	1.4687511
1.5651406	1.575	1.5563107
1.5785818	1.625	1.5715522
1.5949106	1.675	1.5900027
1.6289972	1.725	1.6282916
1.6505297	1.775	1.6523242
1.6970611	1.825	1.7038637
1.8410931	1.875	1.8602656
1.8866848	1.925	1.908894
1.9547852	1.975	1.9808536

2.0001476	2.025	2.0283828
2.0750854	2.075	2.1062891
2.075108	2.125	2.1063125
2.077566	2.175	2.1088562
2.177811	2.225	2.2120707
2.2736857	2.275	2.310019
2.296359	2.325	2.3331032
2.3301182	2.375	2.3674324
2.3632739	2.425	2.4011087
2.3865864	2.475	2.4247694
2.494997	2.525	2.5347135
2.508886	2.575	2.5487998
2.520261	2.625	2.5603378
2.5539153	2.675	2.5944872
2.6738155	2.725	2.716424
2.7782326	2.775	2.8231852
2.8406072	2.825	2.8873165
2.8538337	2.875	2.9009554
2.9484594	2.925	2.9989922
3.0269794	2.975	3.0810282
3.059901	3.025	3.1156292
3.0629854	3.075	3.1188776
3.0760887	3.125	3.13269
3.158666	3.175	3.2202284
3.1602495	3.225	3.2219157
3.2028956	3.275	3.2674844
3.3444562	3.325	3.4206126
3.359727	3.375	3.4373124
3.400517	3.425	3.4821014
3.410554	3.475	3.4931633
3.442372	3.525	3.5283406

3.4477177	3.575	3.534267
3.5067248	3.625	3.6000068
3.605718	3.675	3.7116594
3.6257102	3.725	3.7344227
3.6766539	3.775	3.7927613
3.7294054	3.825	3.8536859
3.7349403	3.875	3.8601093
3.8057613	3.925	3.942825
3.8293047	3.975	3.9705424
3.8896906	4.025	4.0421433
3.8998969	4.075	4.0543184
3.9035332	4.125	4.058661
3.9092093	4.175	4.0654454
3.916198	4.225	4.073808