

Mandelbrot Uebung4

$$S(n,p) = T(n,1) / T(n,p)$$

p	T(n,p)	S(n,p)
1	5.84	1
2	6.26	0.932907348
4	6.26	0.932907348
8	3.15	1.853968254
12		#DIV/0!
16	6.22	0.938906752
24	6.48	0.901234568
32	6.6	0.884848485
48	2.9	2.013793103
64	2.82	2.070921986

Nbody Uebung4

$$S(n,p) = T(n,1) / T(n,p)$$

p	T(n,p)	S(n,p)
1	31.94	1
2	31.68	1.008207071
4	32.63	0.978853816
8	31.68	1.008207071
12	32.77	0.974671956
16	31.75	1.005984252
24	31.36	1.018494898
32	31.61	1.010439734
48	31.16	1.025032092
64	31.17	1.02470324

Nbody Uebung4

$$S(n,p) = T(n,1) / T(n,p)$$

p	Laplace		Sobel	
	T(n,p)	S(n,p)	T(n,p)	S(n,p)
1	0.067	1	0.04	1
2	0.065	1.030769231	0.055	0.727272727
4	0.05	1.34	0.075	0.533333333
8	0.054	1.240740741	0.066	0.606060606
12	0.062	1.080645161	0.055	0.727272727
16	0.063	1.063492063	0.093	0.430107527
24	0.058	1.155172414	0.053	0.754716981
32	0.054	1.240740741	0.063	0.634920635
48	0.058	1.155172414	0.082	0.487804878
64	0.06	1.116666667	0.106	0.377358491