s in [cm]	t in [s]
5.0	0.1226
10.0	0.1993
15.0	0.1889
20.0	0.2135
25.0	0.235
30.0	0.257
35.0	0.2757
40.0	0.2942
45.0	0.3111
50.0	0.3271
55.0	0.3416
60.0	0.3567
65.0	0.3709
70.0	0.3844
75.0	0.3973
80.0	0.4097
85.0	0.4222
90.0	0.4338