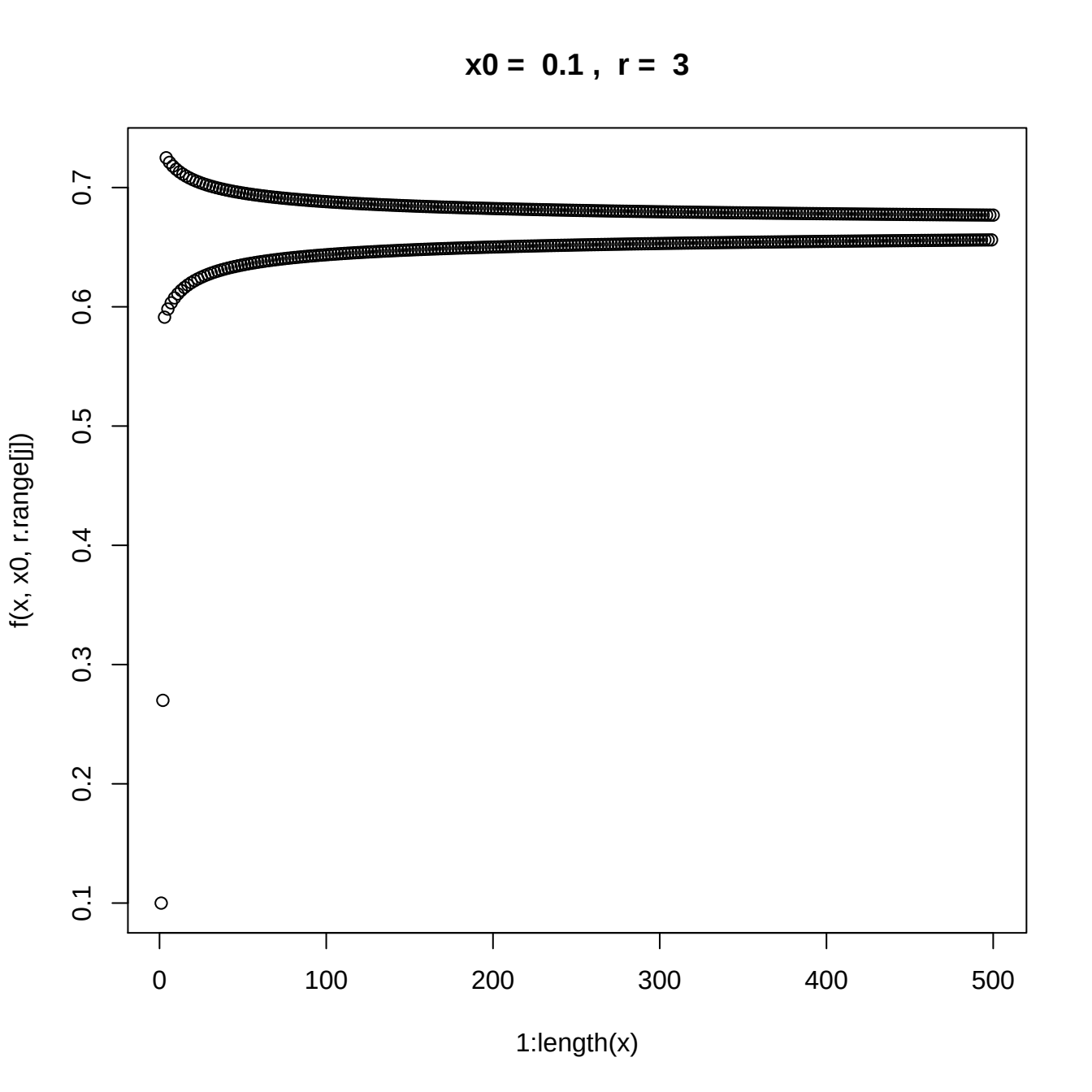
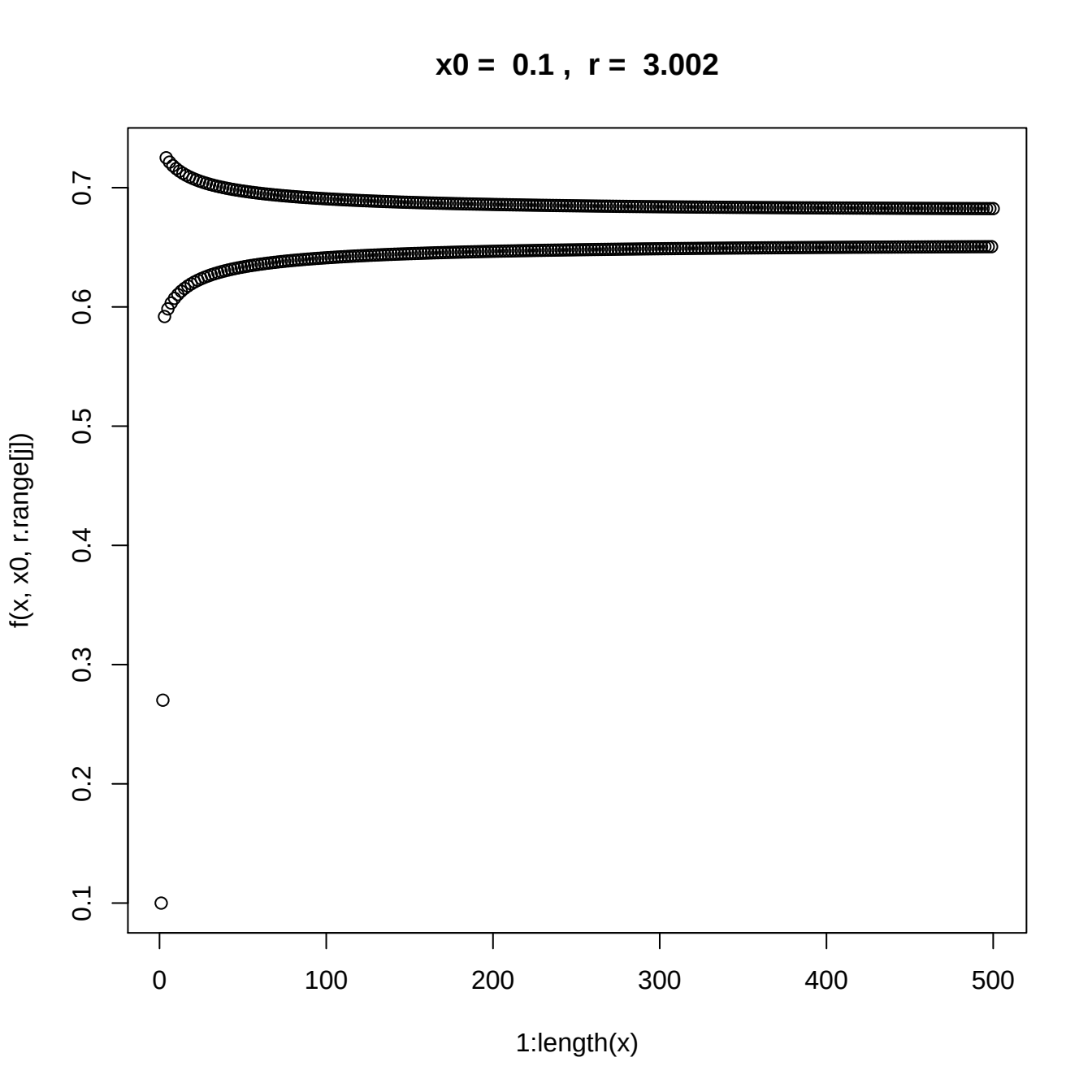
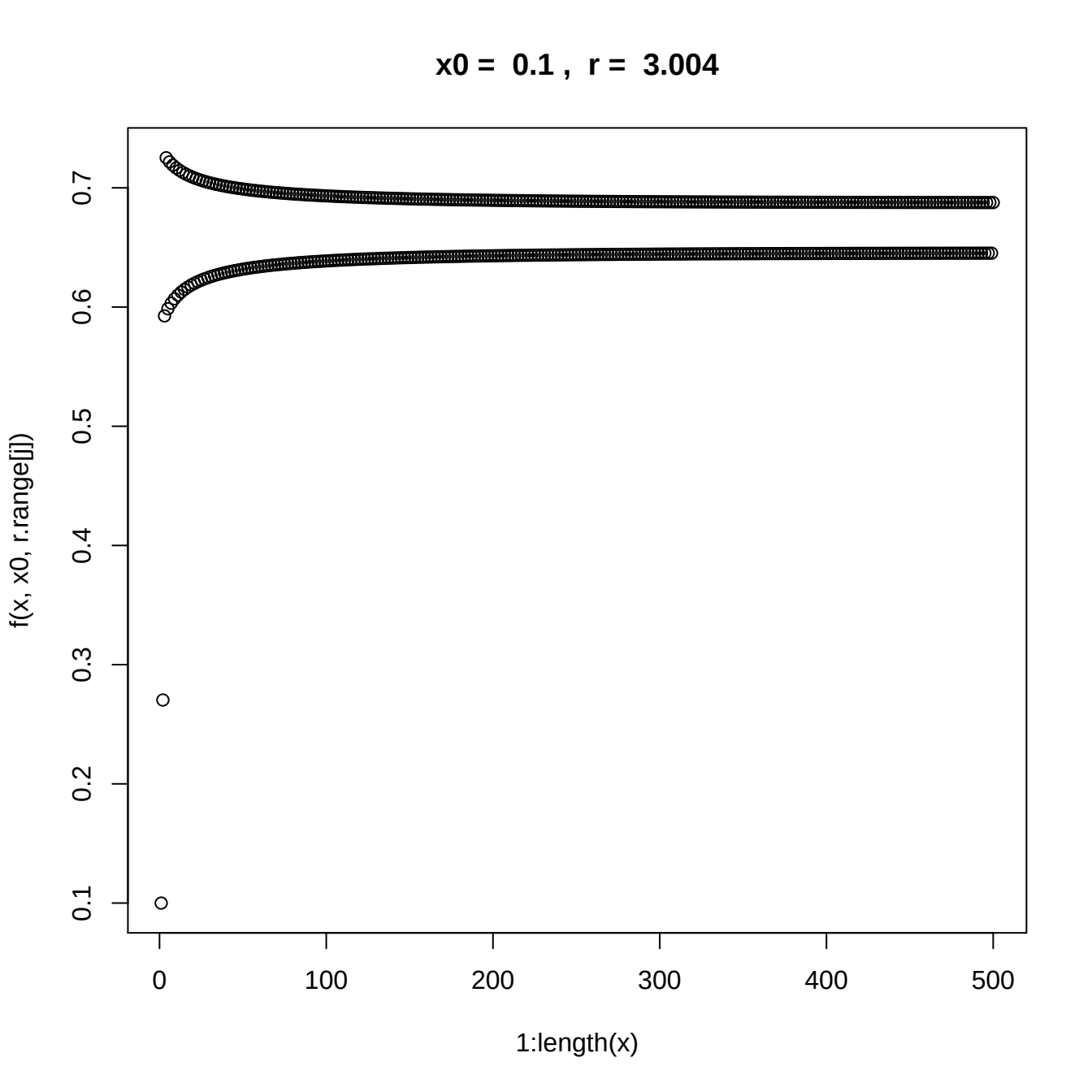
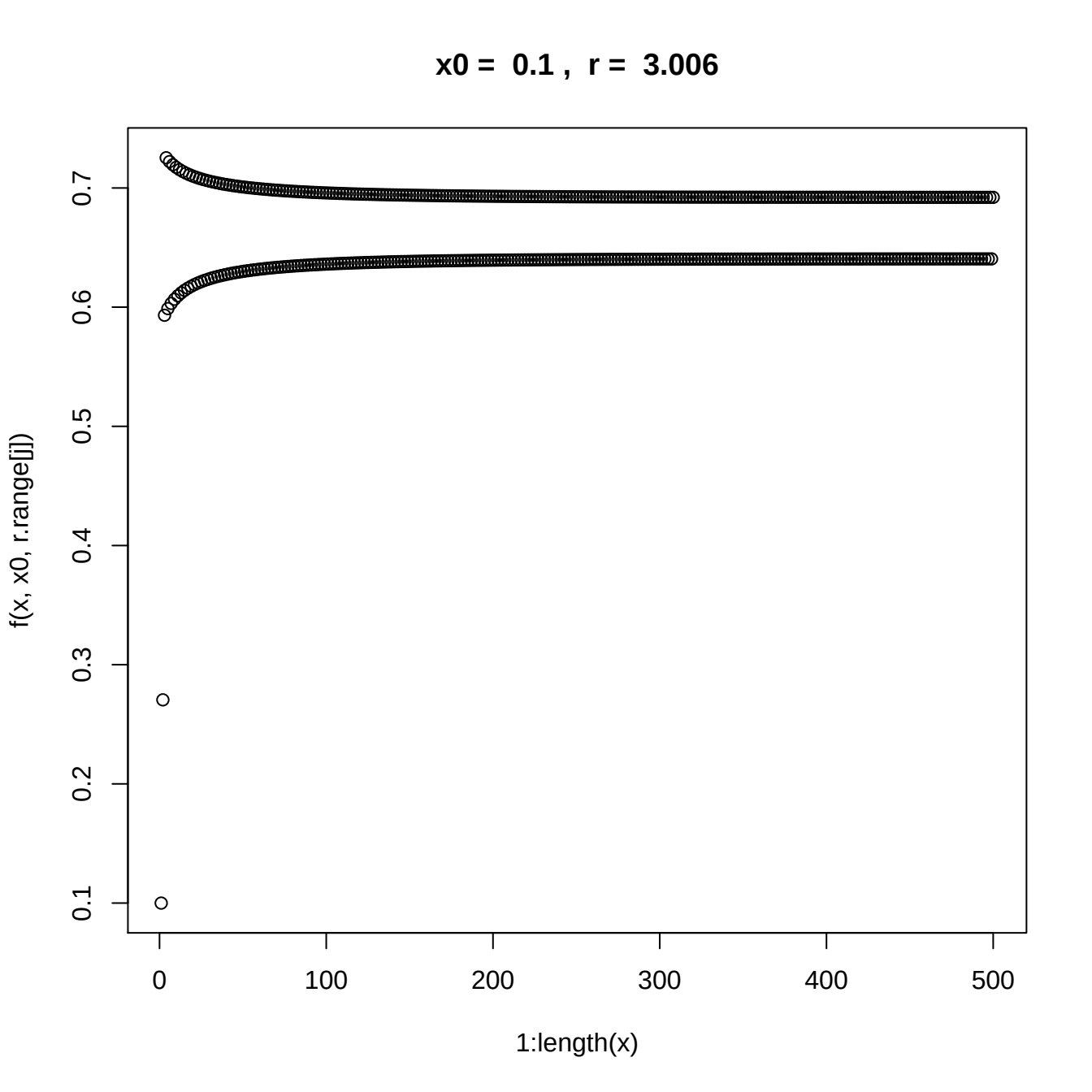
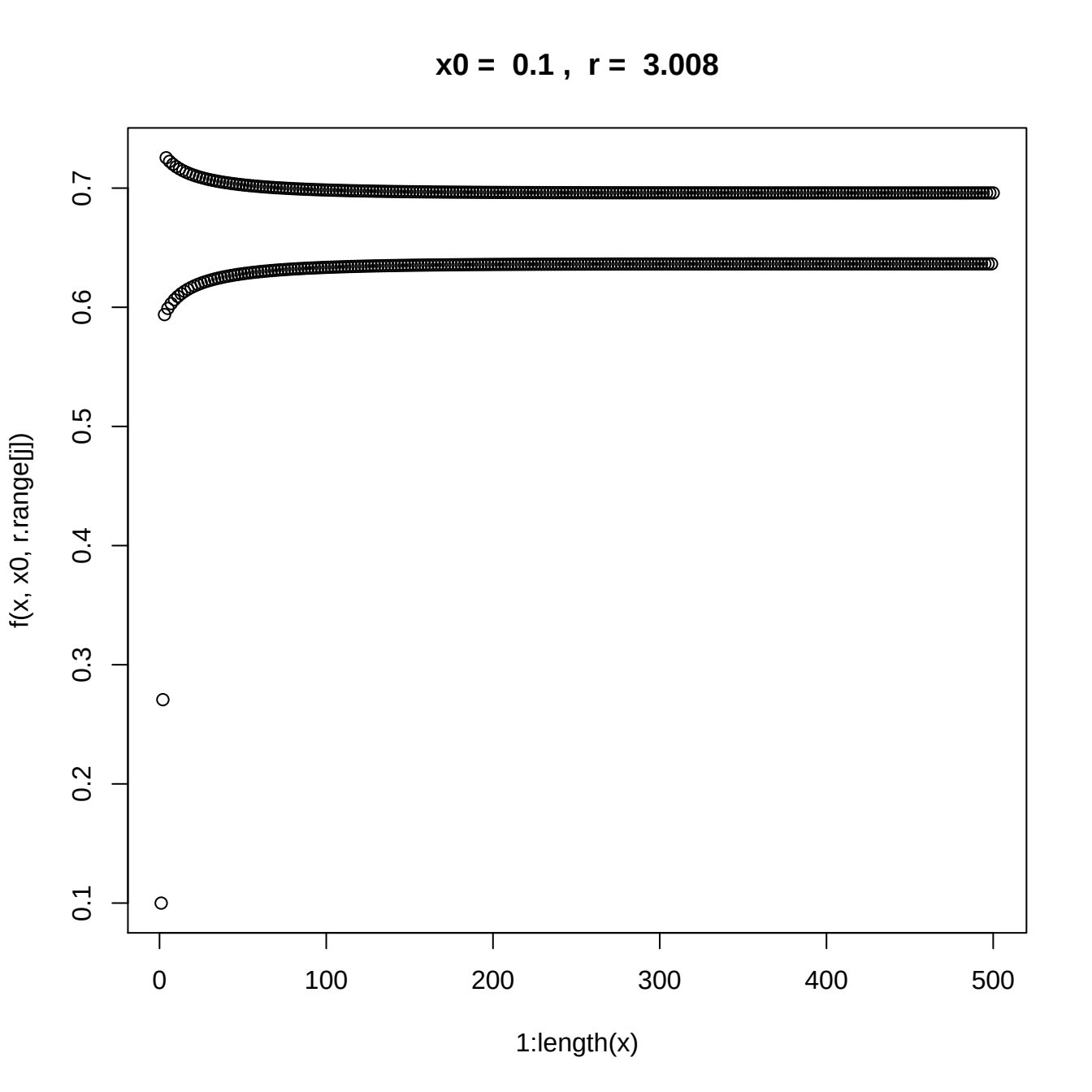
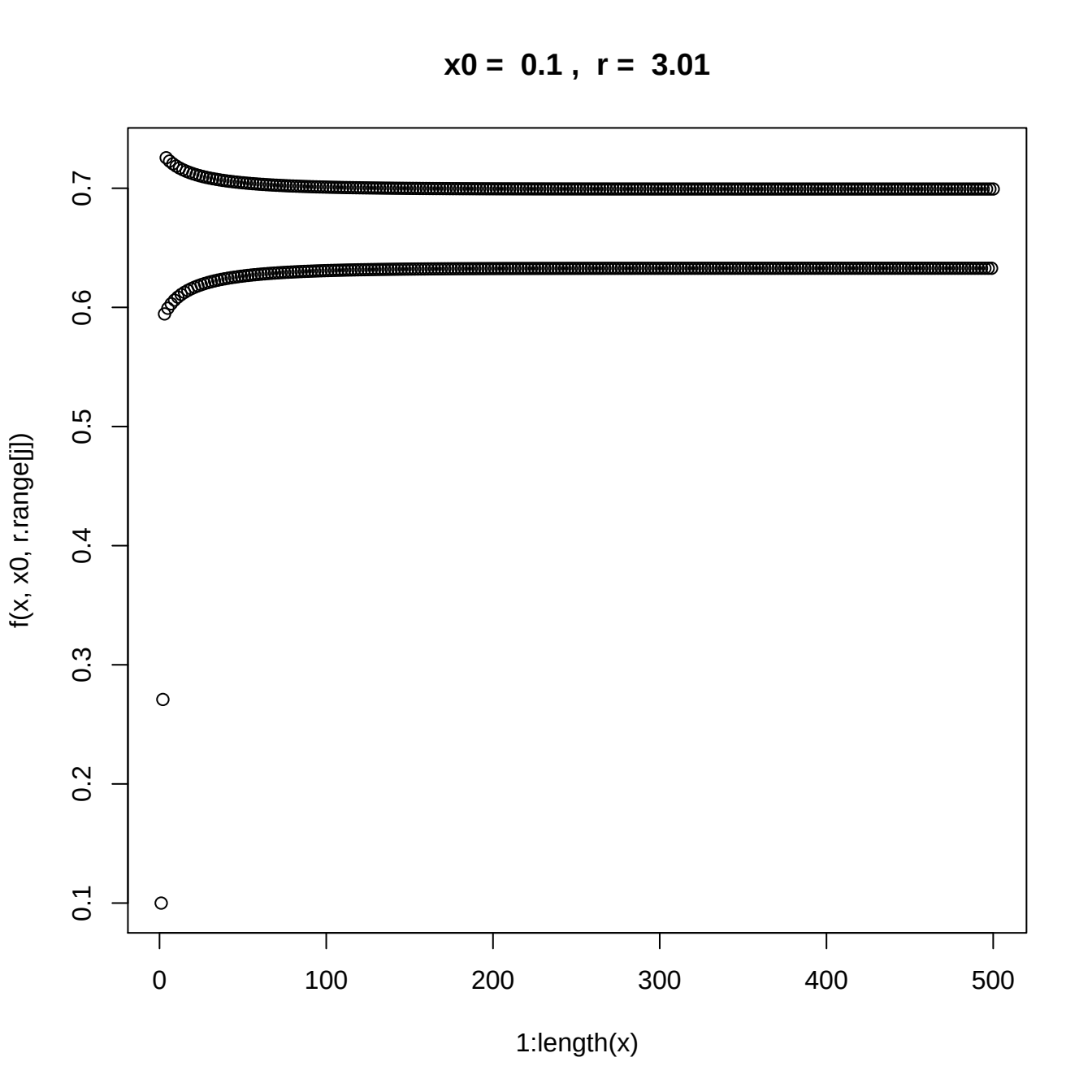

x0 = 0.1 , r = 3
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

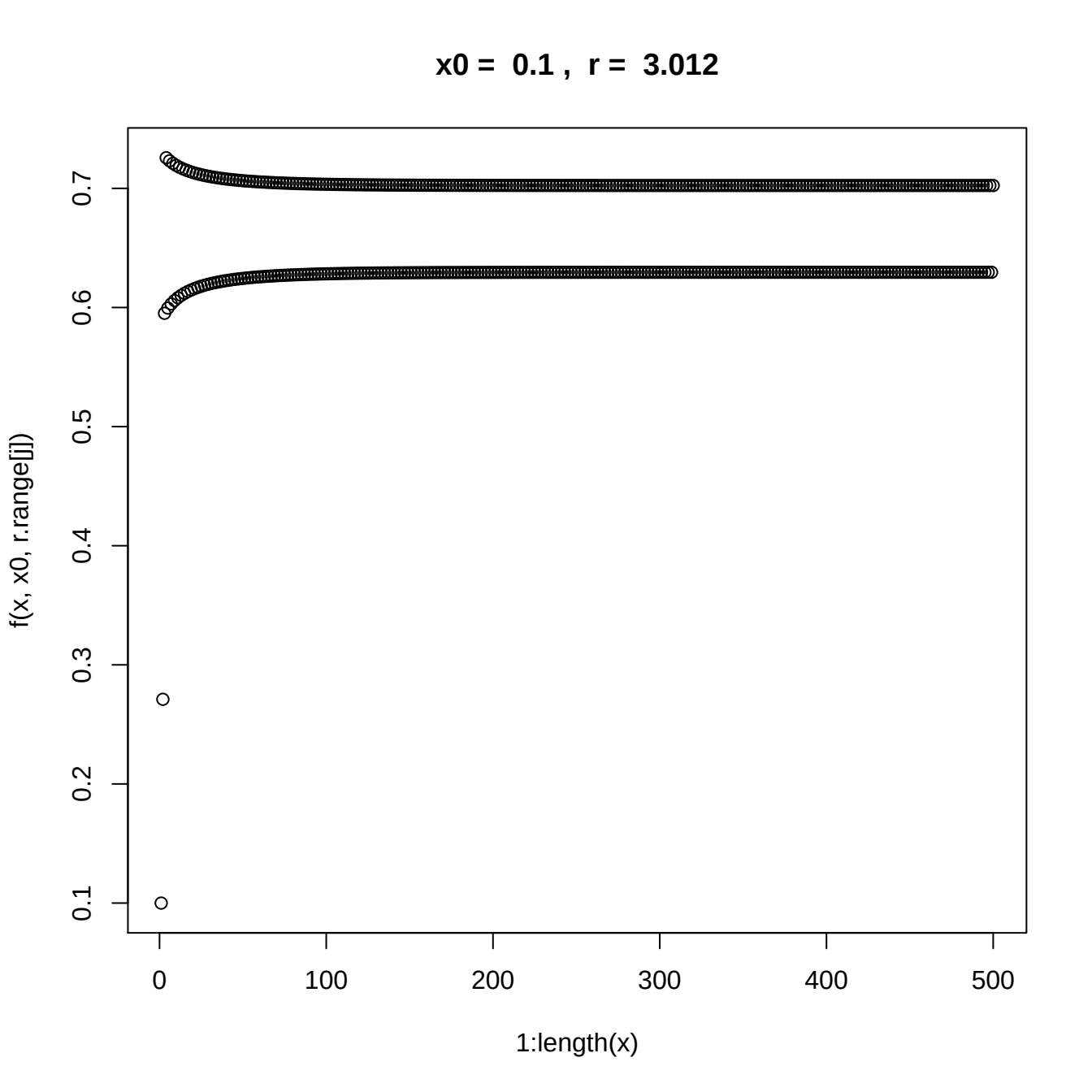

x0 = 0.1 , r = 3.002
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

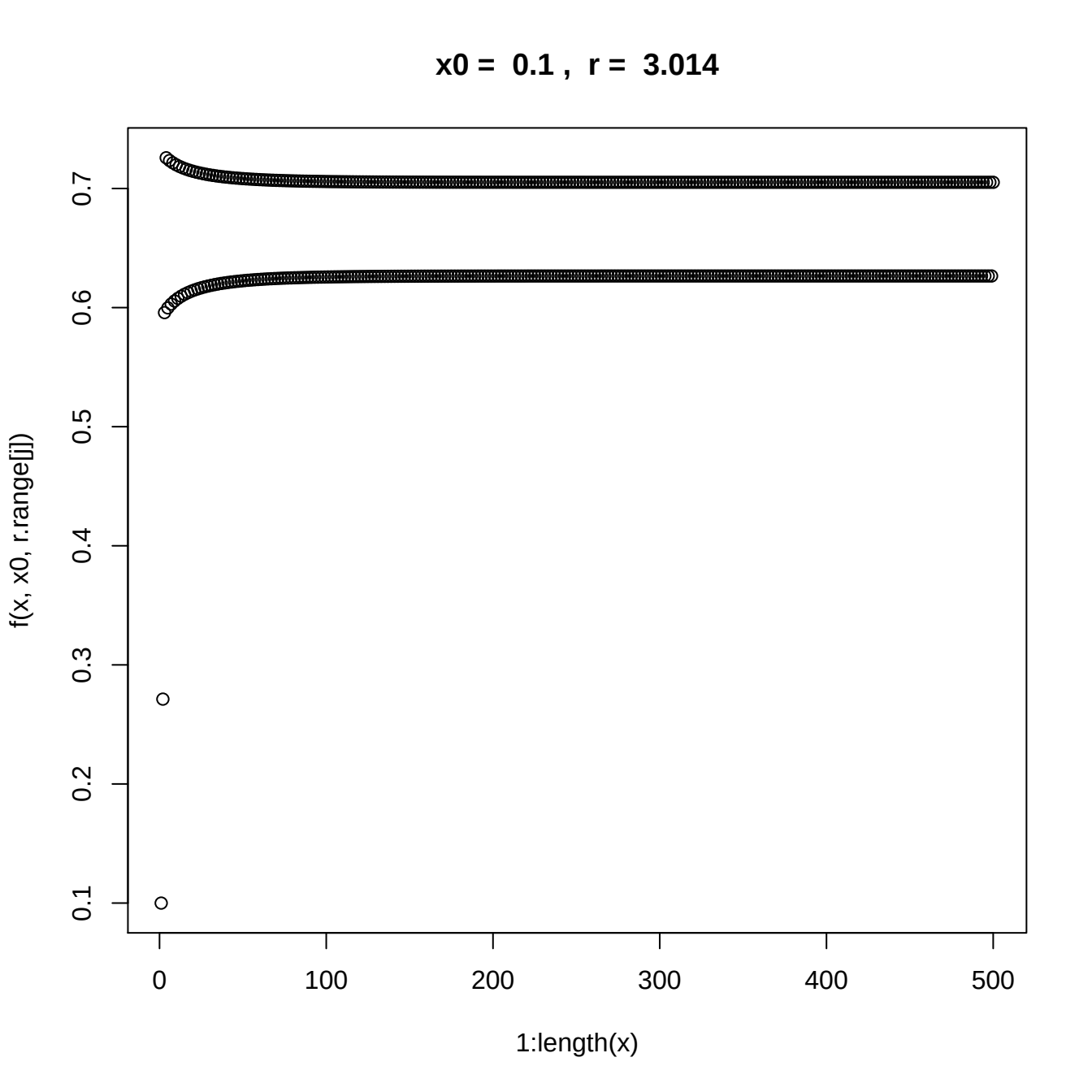

x0 = 0.1 , r = 3.004
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

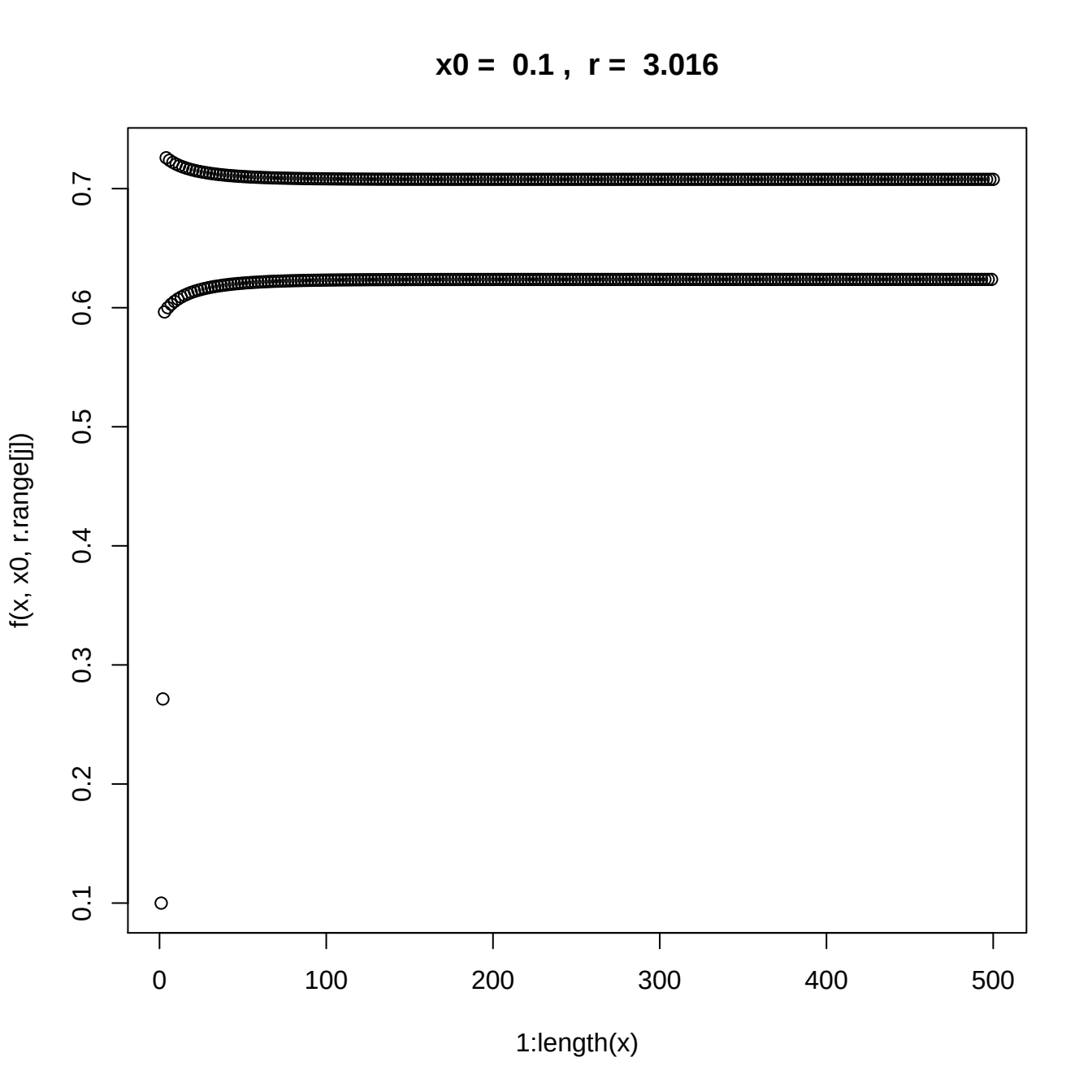

x0 = 0.1 , r = 3.006
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

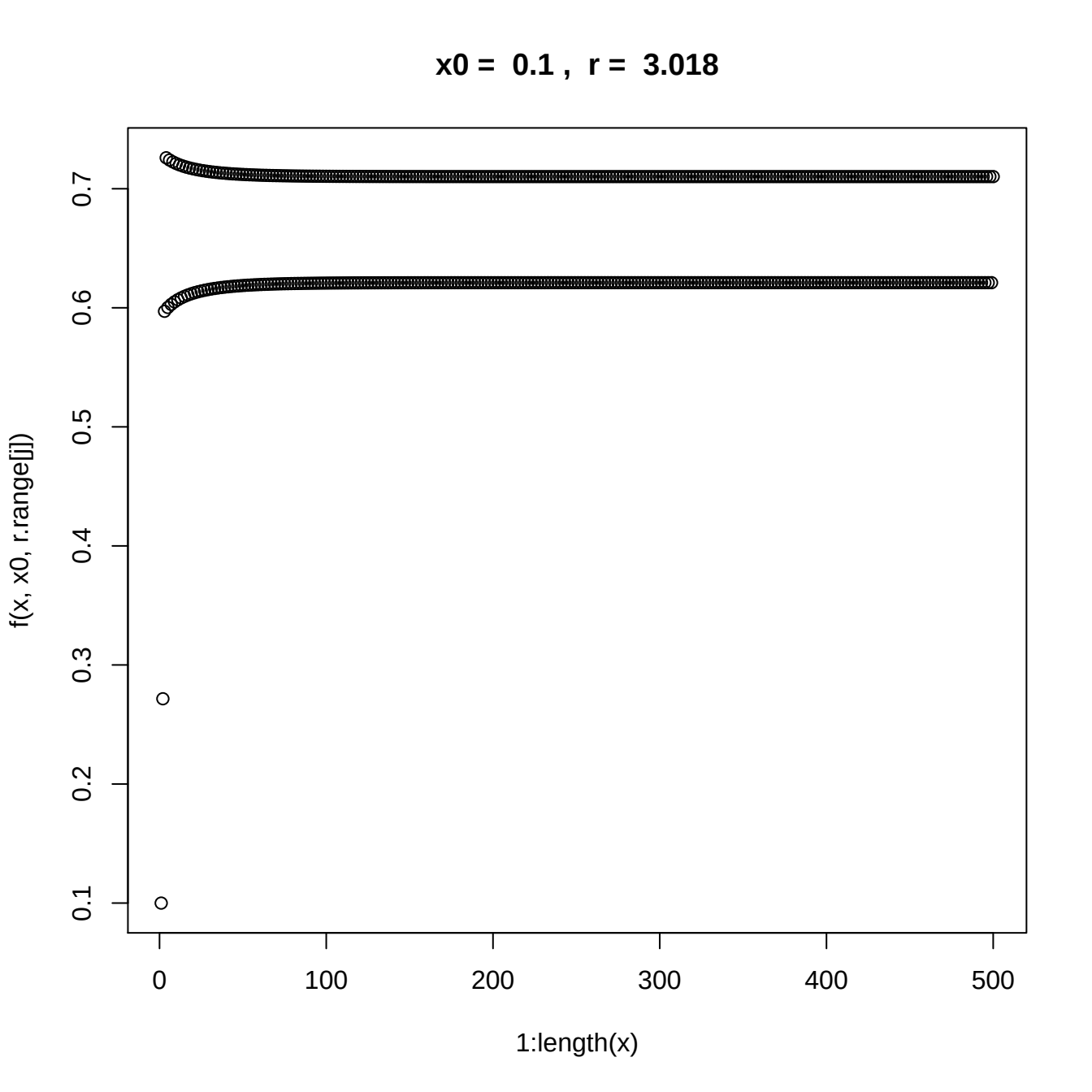

x0 = 0.1 , r = 3.008
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

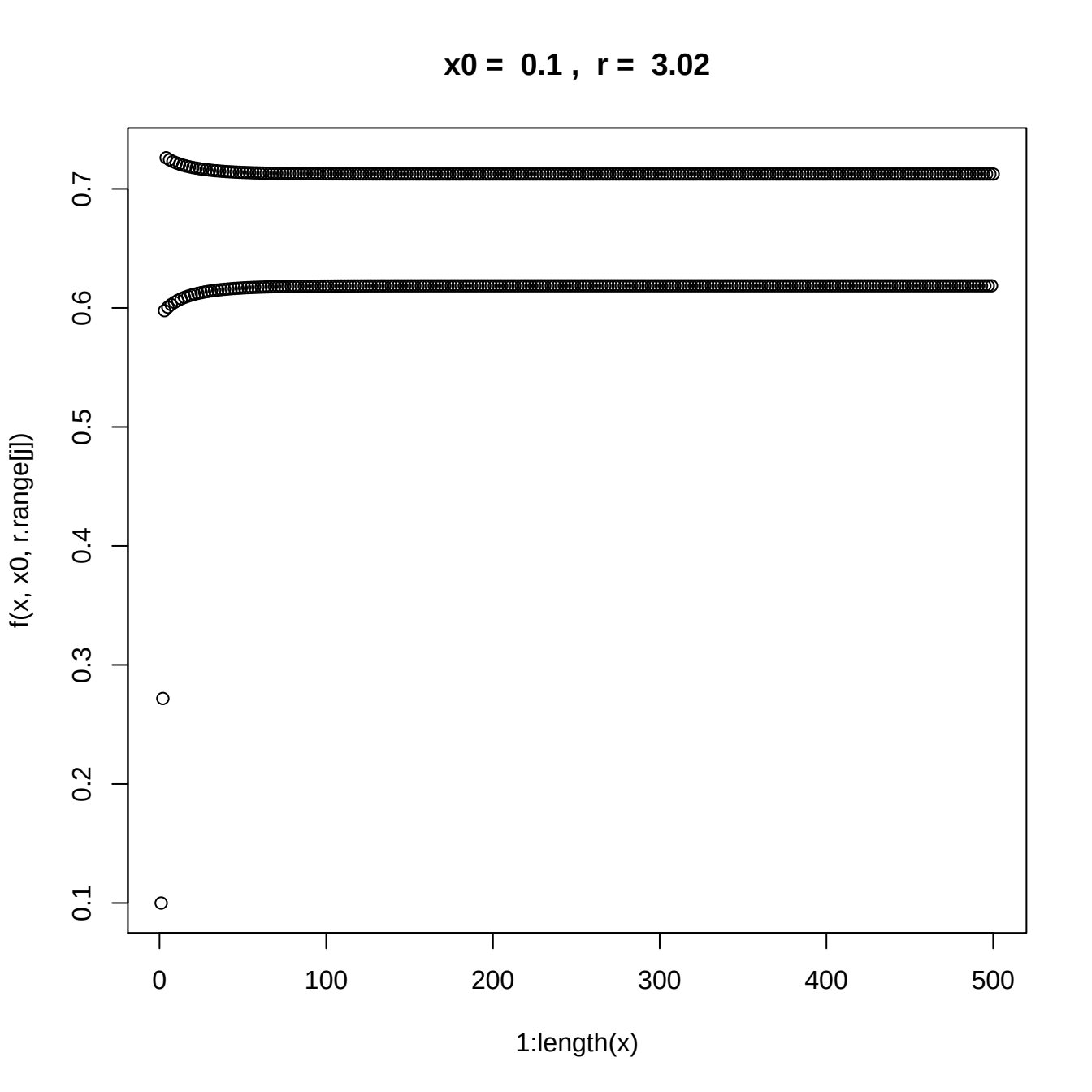

x0 = 0.1 , r = 3.01
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

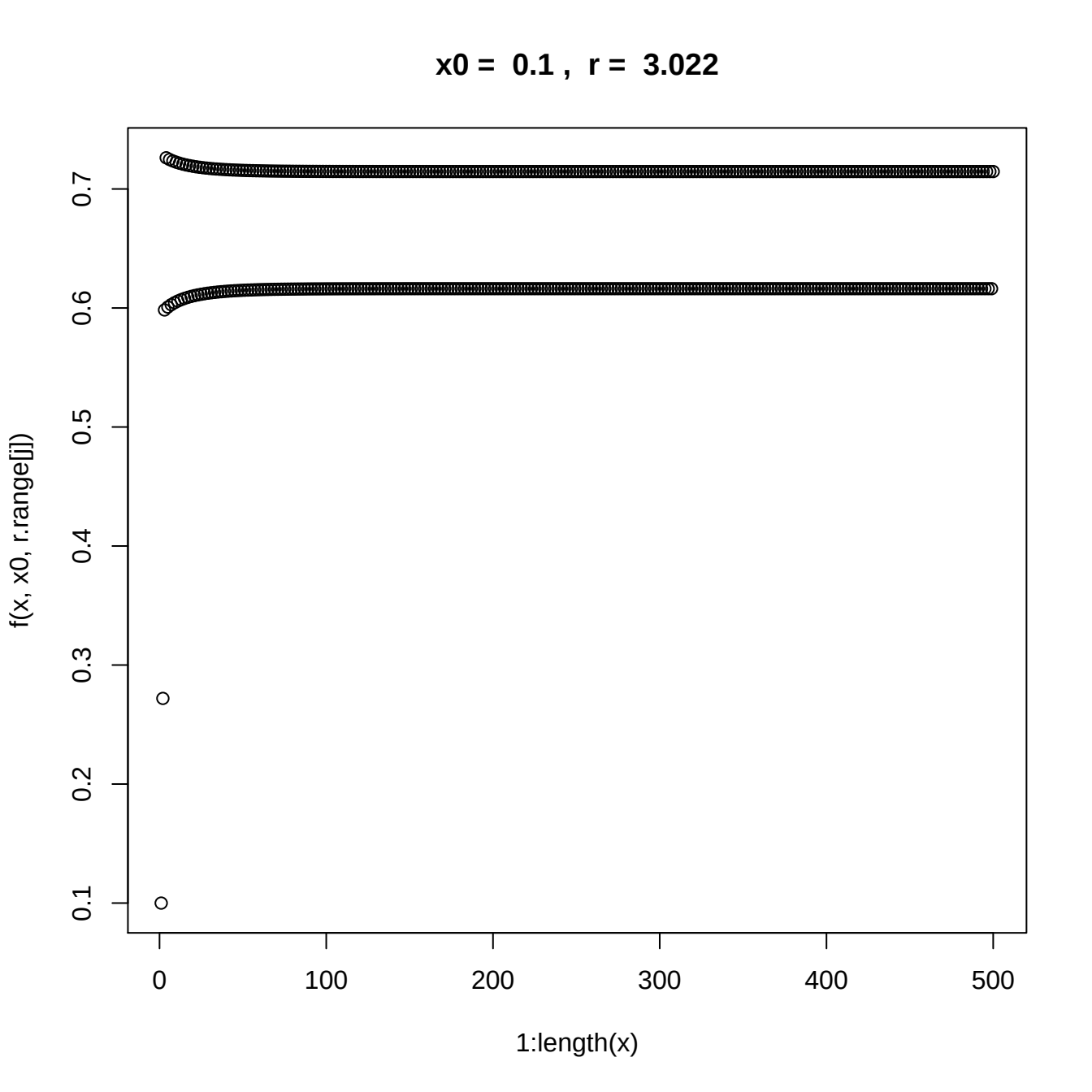

x0 = 0.1 , r = 3.012
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

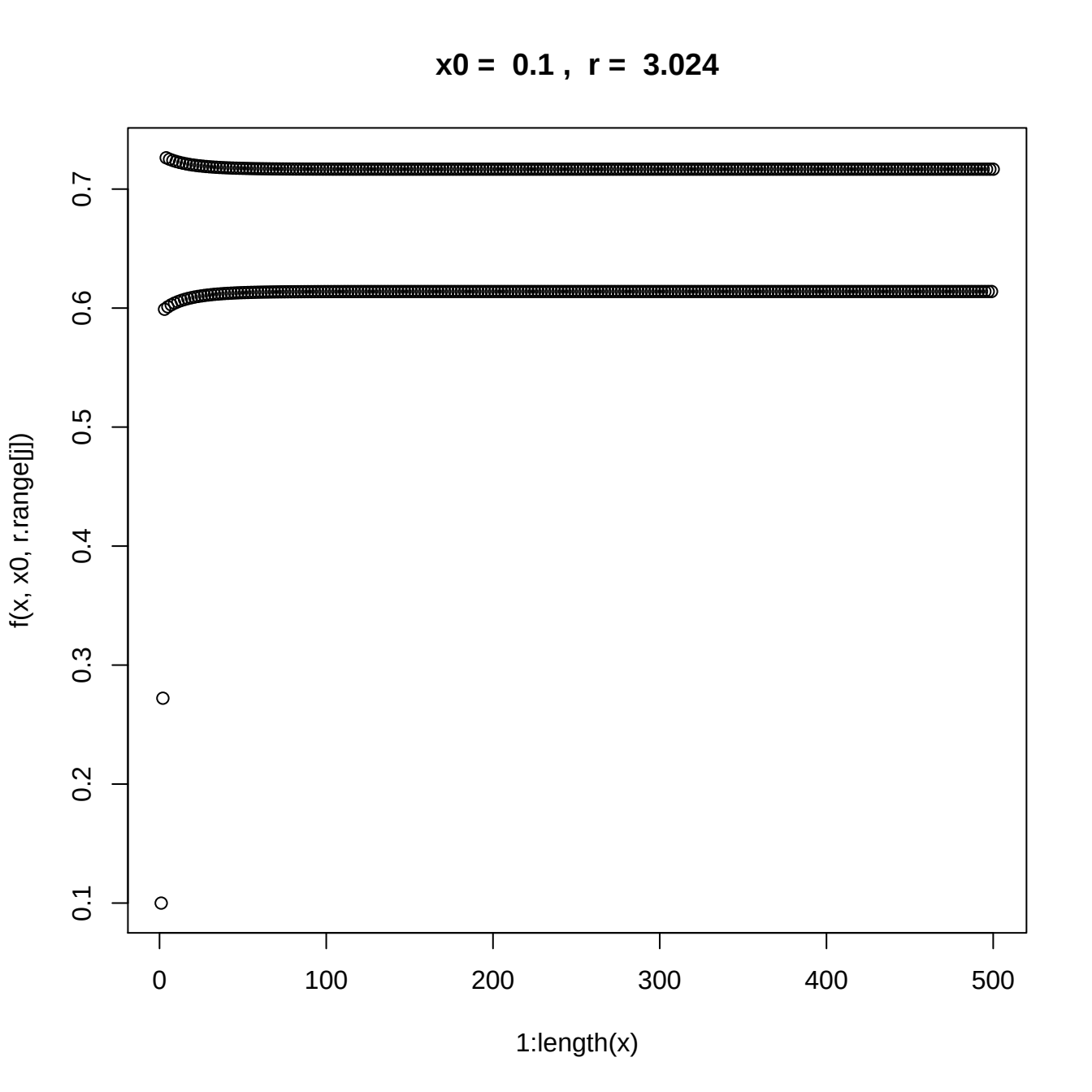

x0 = 0.1 , r = 3.014
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

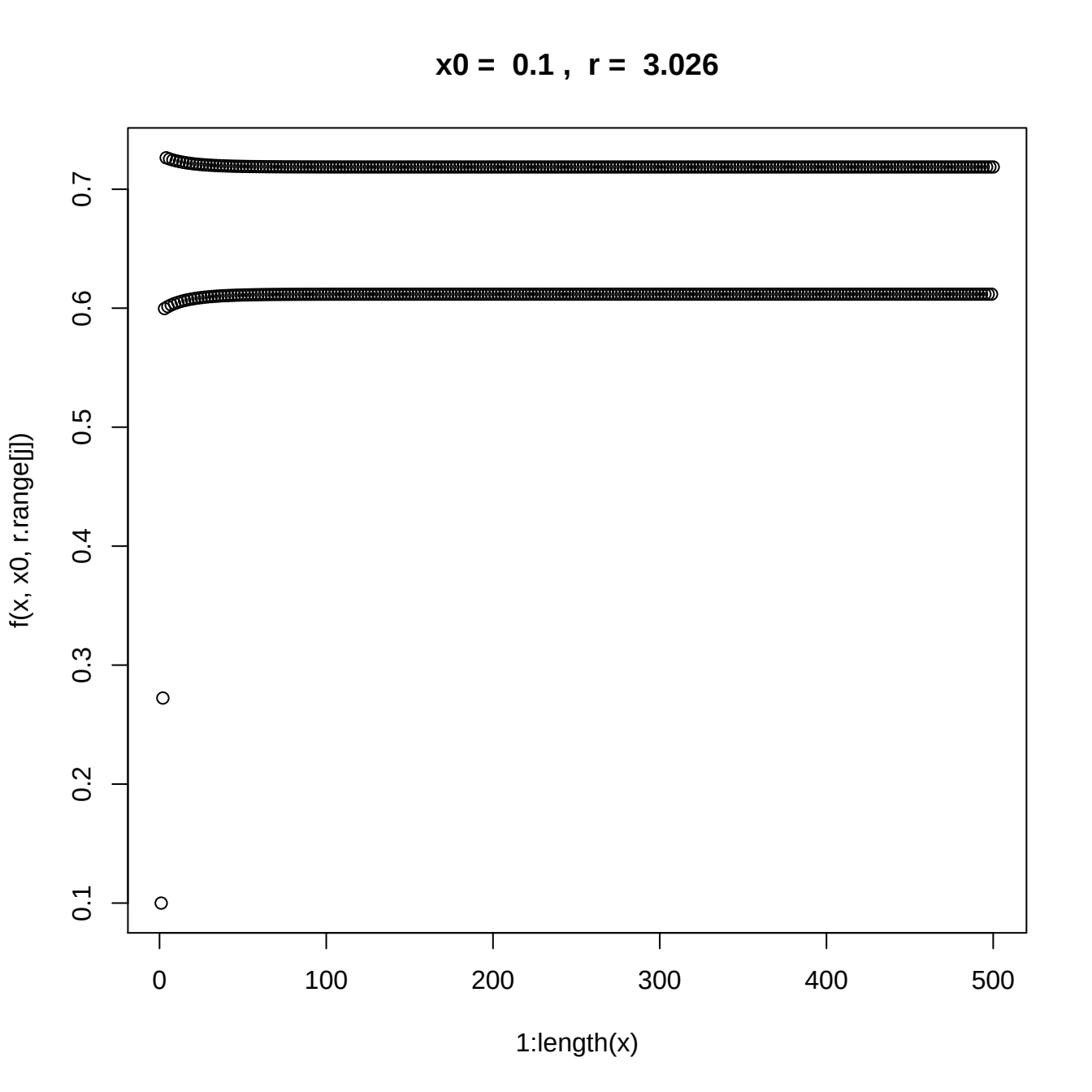

x0 = 0.1 , r = 3.016
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

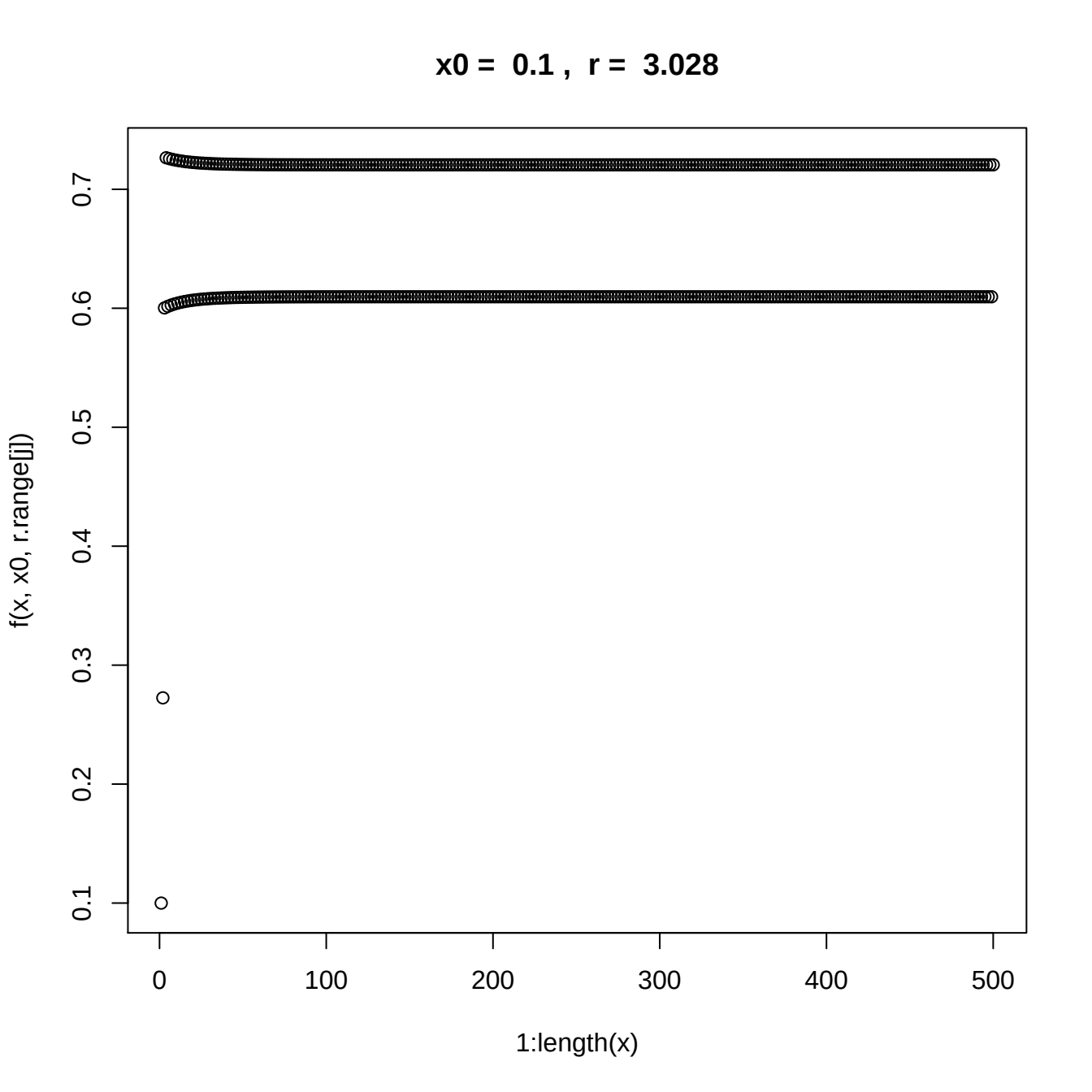

x0 = 0.1 , r = 3.018
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

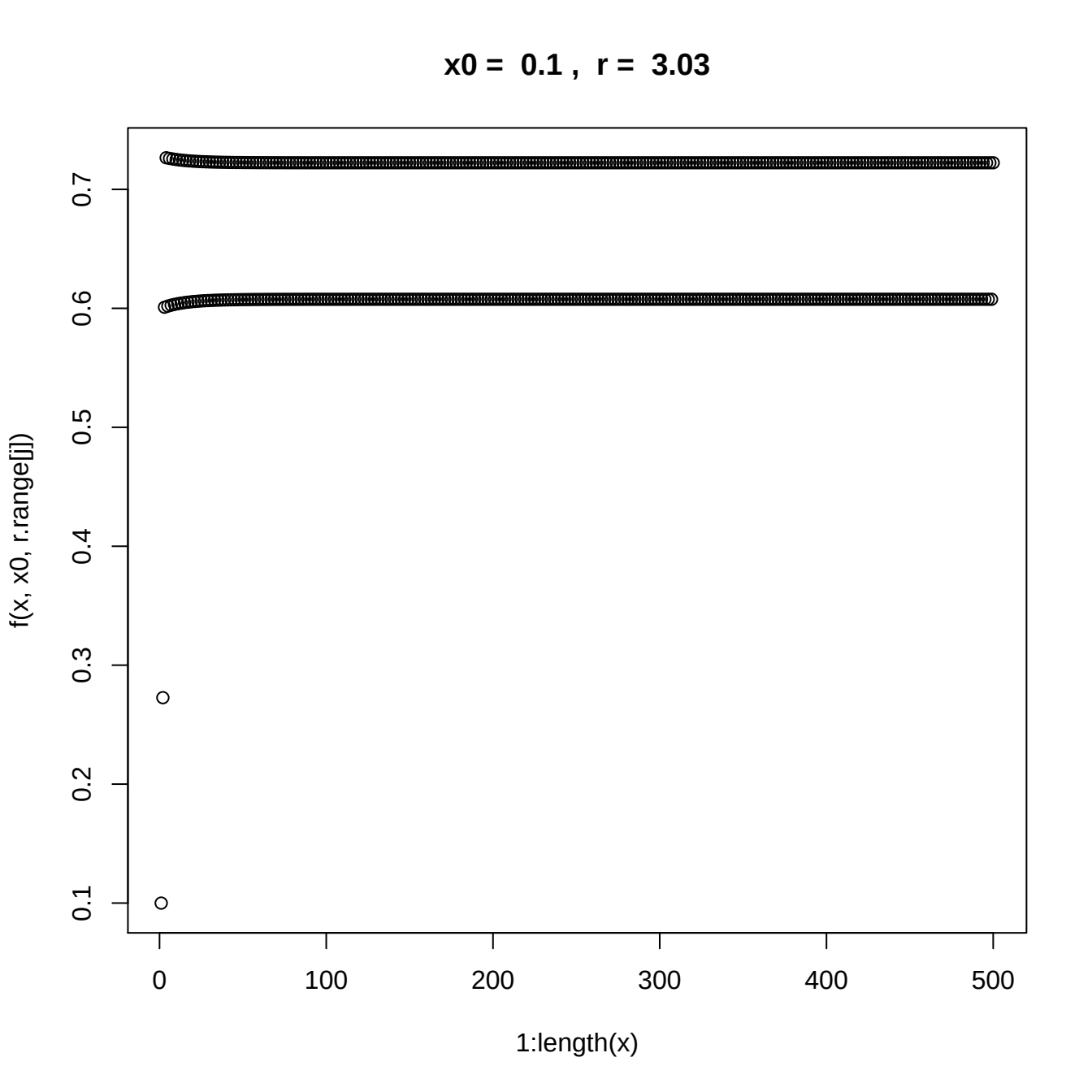

x0 = 0.1 , r = 3.02
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

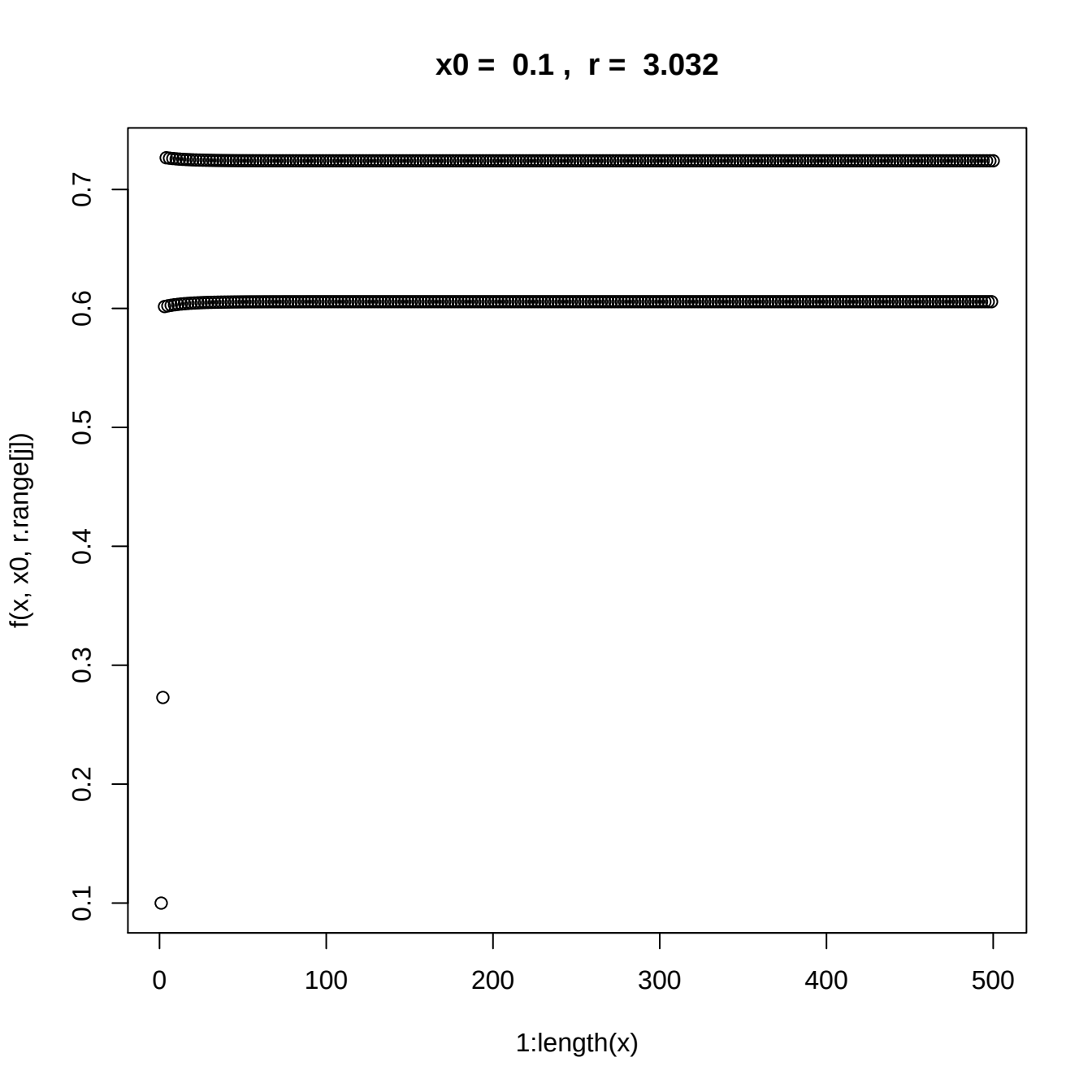

x0 = 0.1 , r = 3.022
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

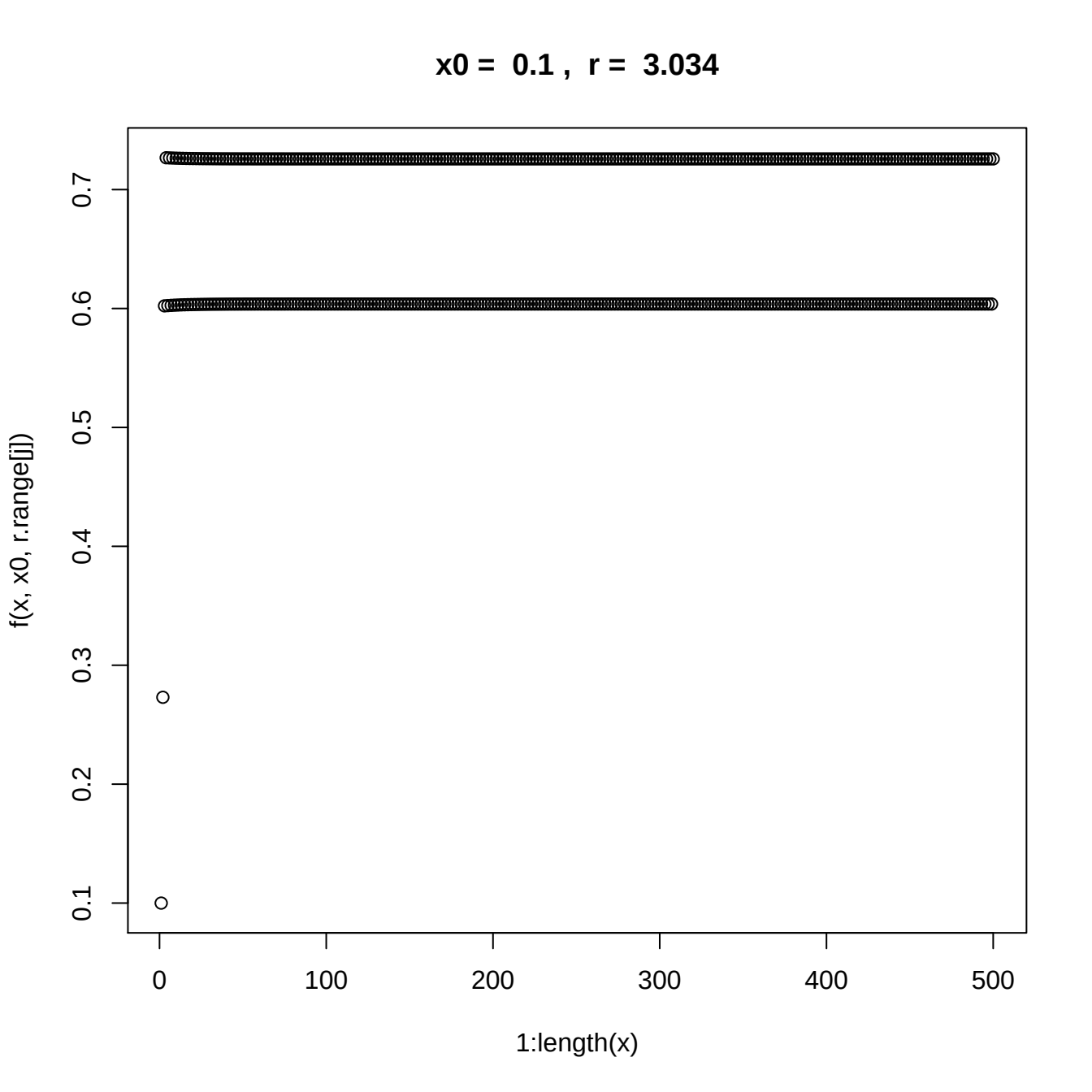

x0 = 0.1 , r = 3.024
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

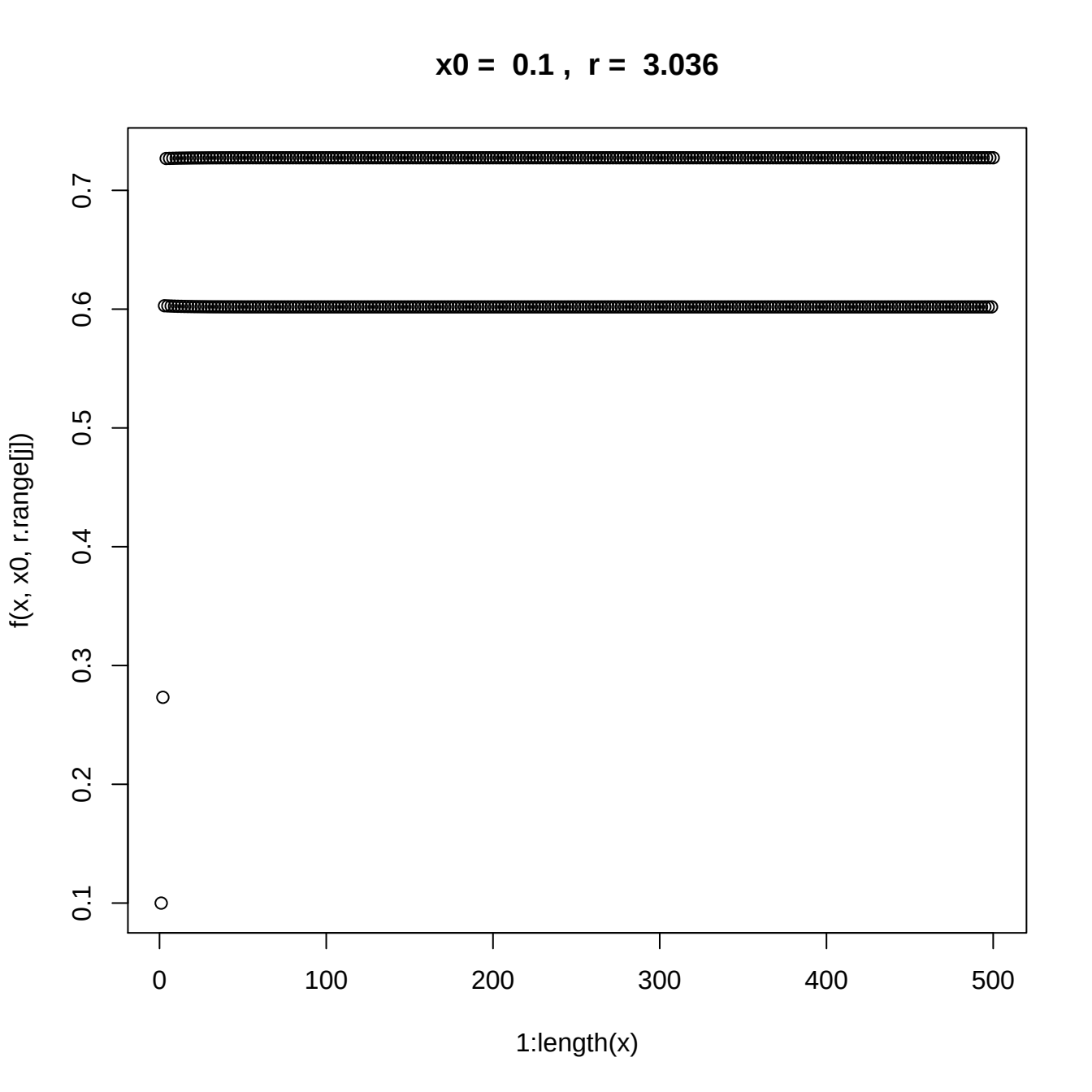

x0 = 0.1 , r = 3.026
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

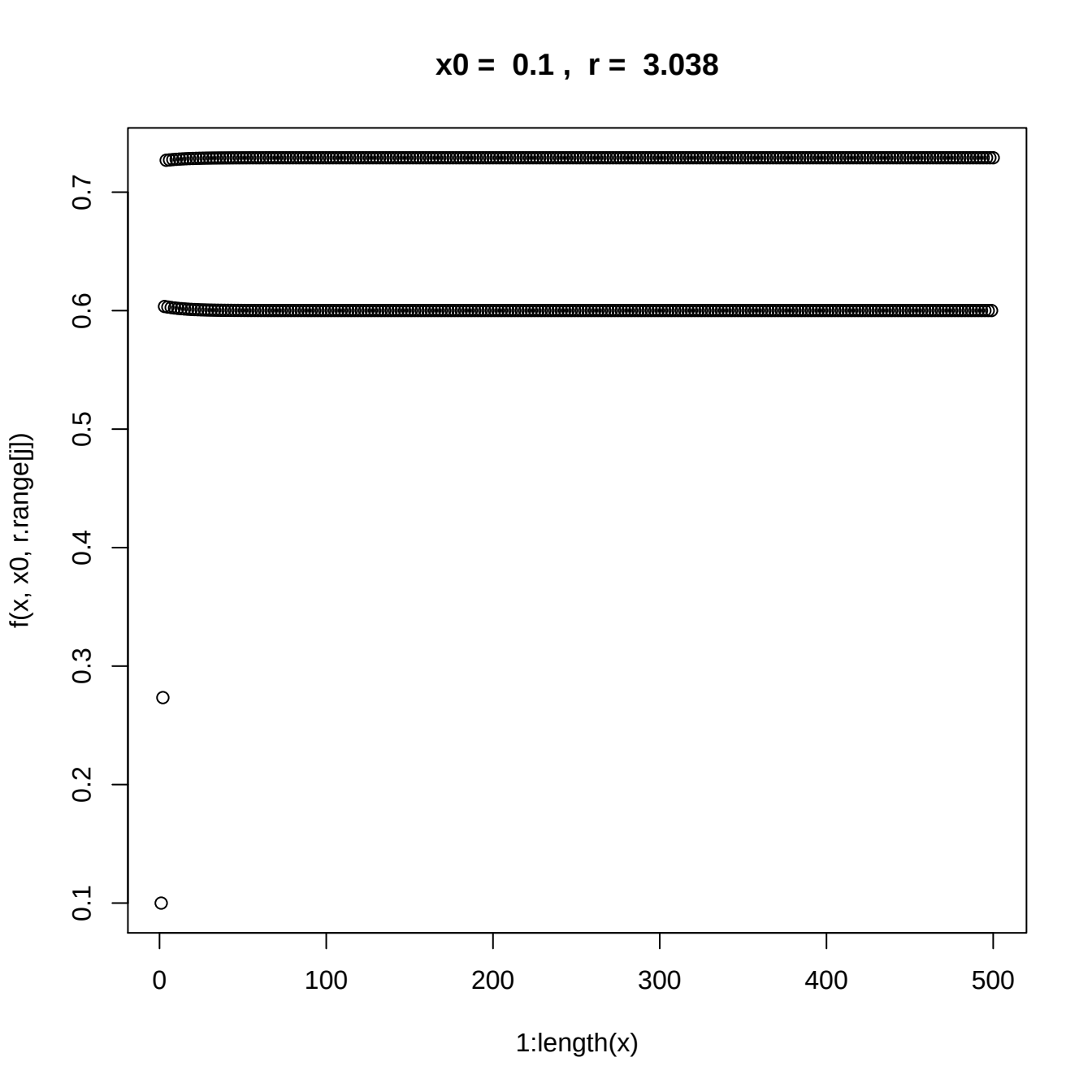

x0 = 0.1 , r = 3.028
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

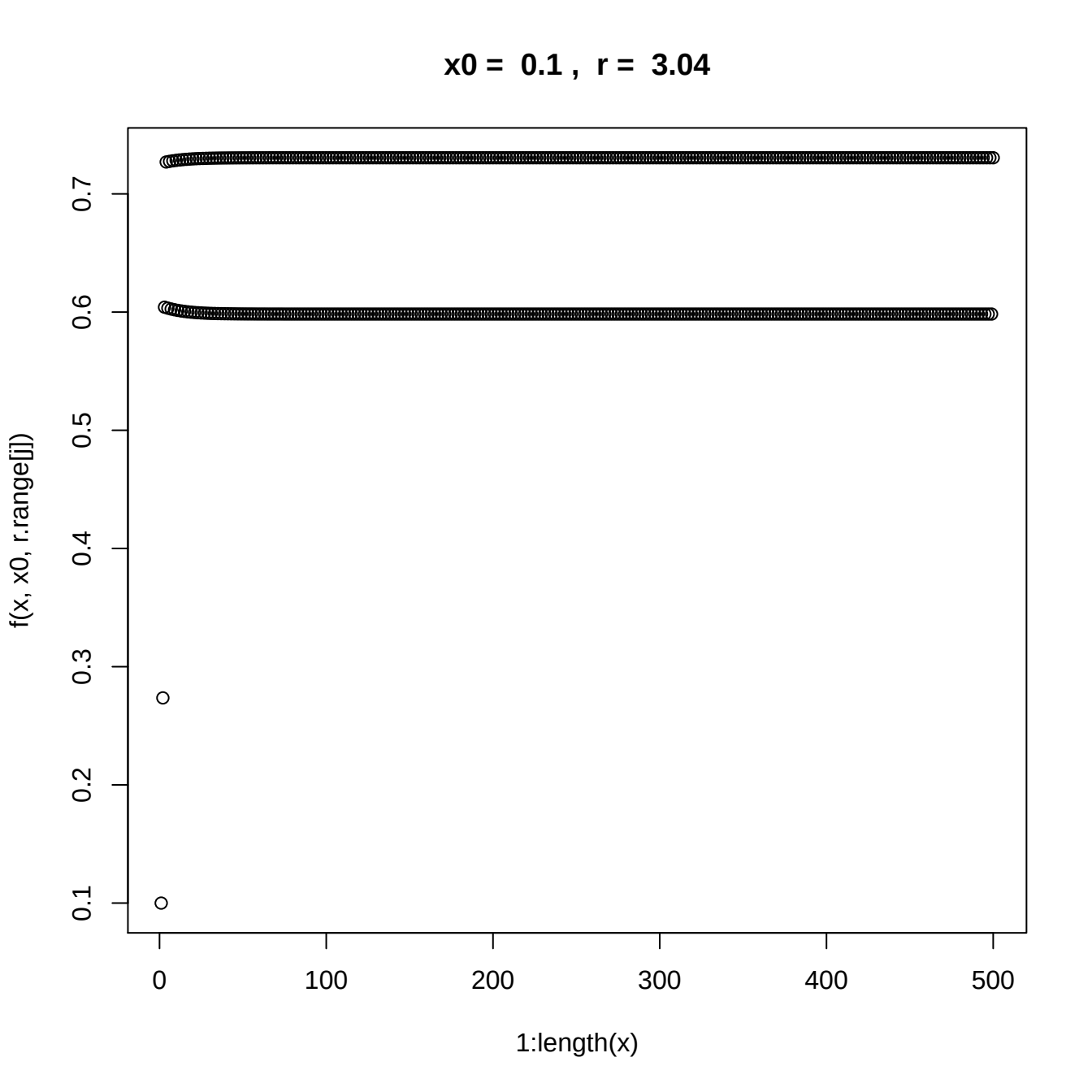

x0 = 0.1 , r = 3.03
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

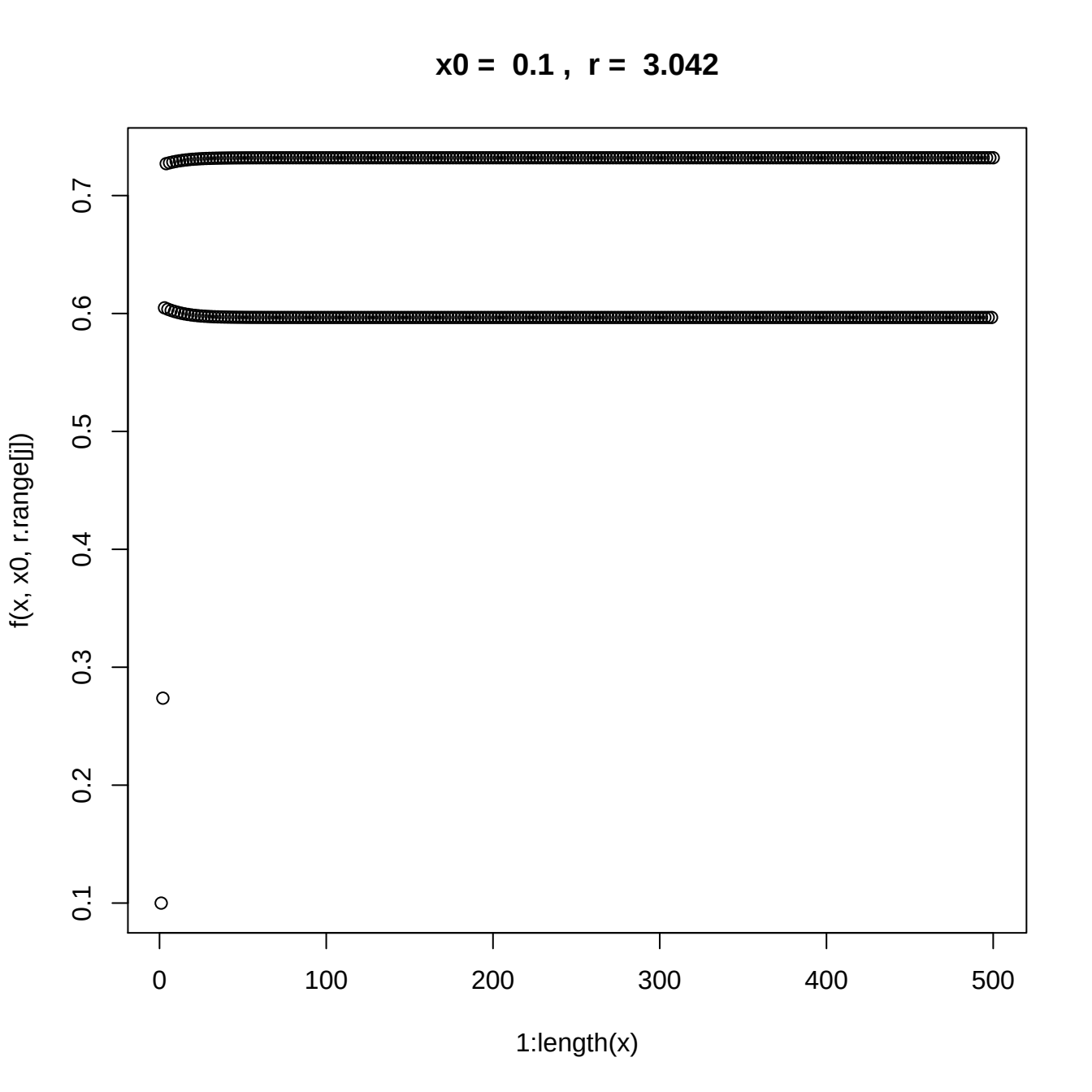

x0 = 0.1 , r = 3.032
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

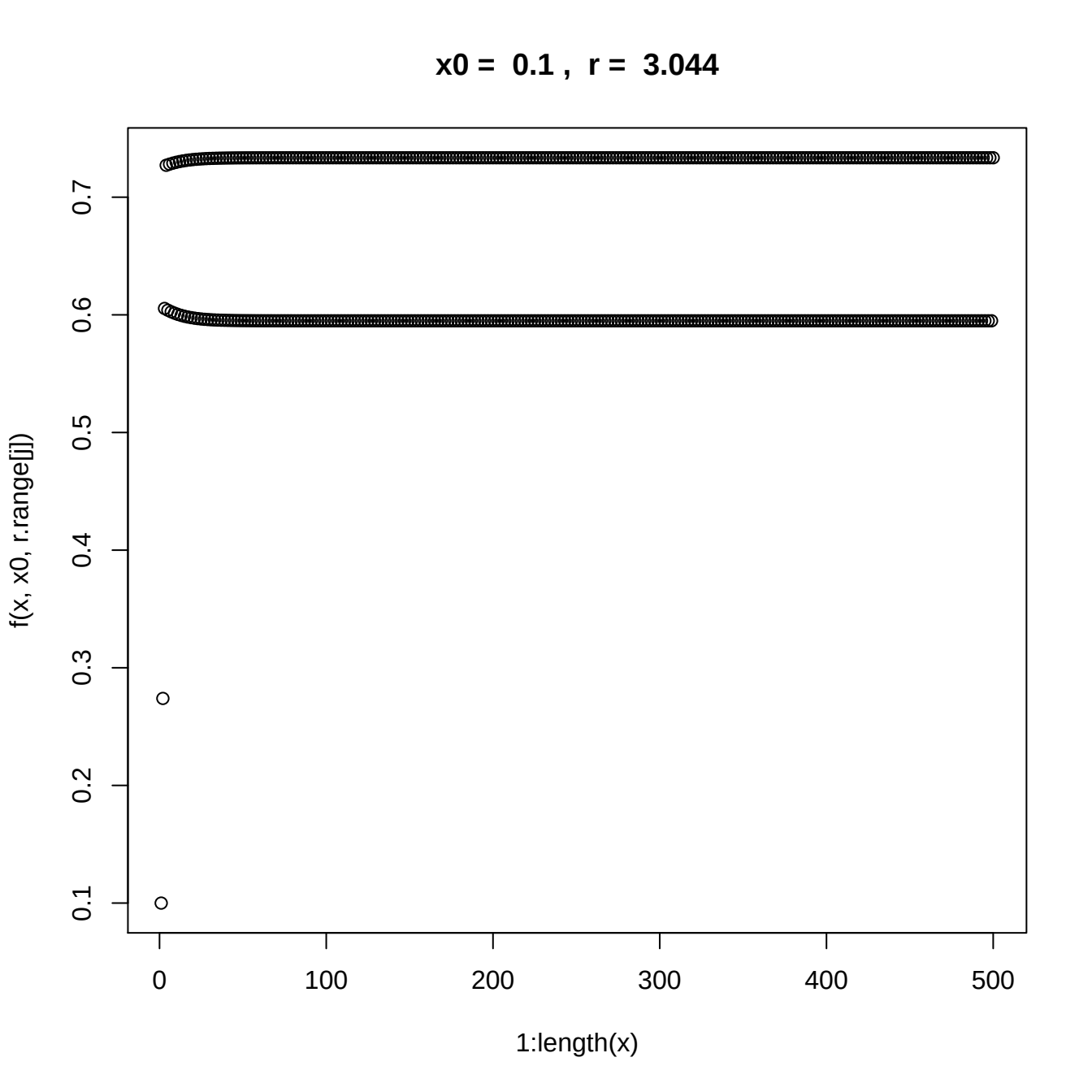

x0 = 0.1 , r = 3.034
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

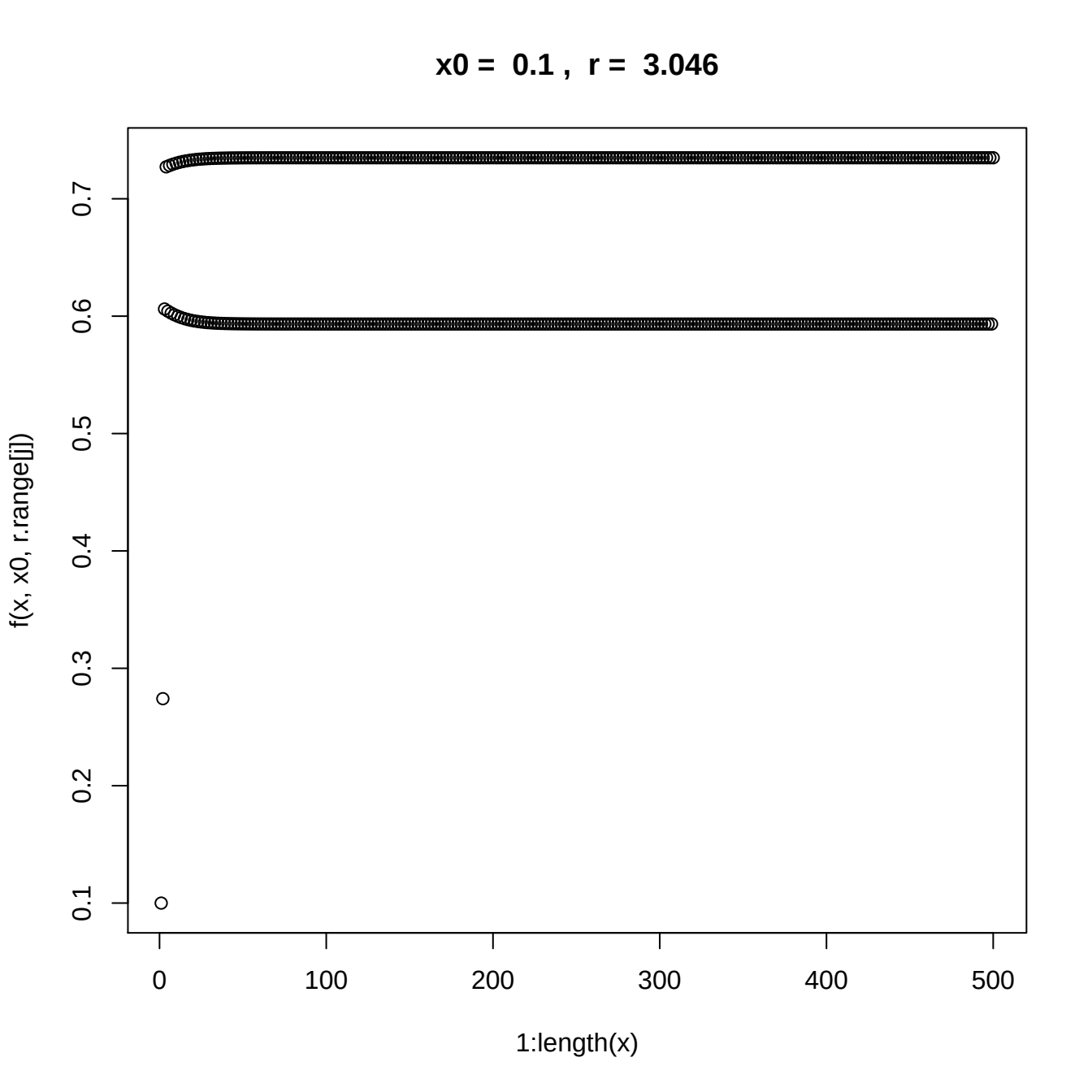

x0 = 0.1 , r = 3.036
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

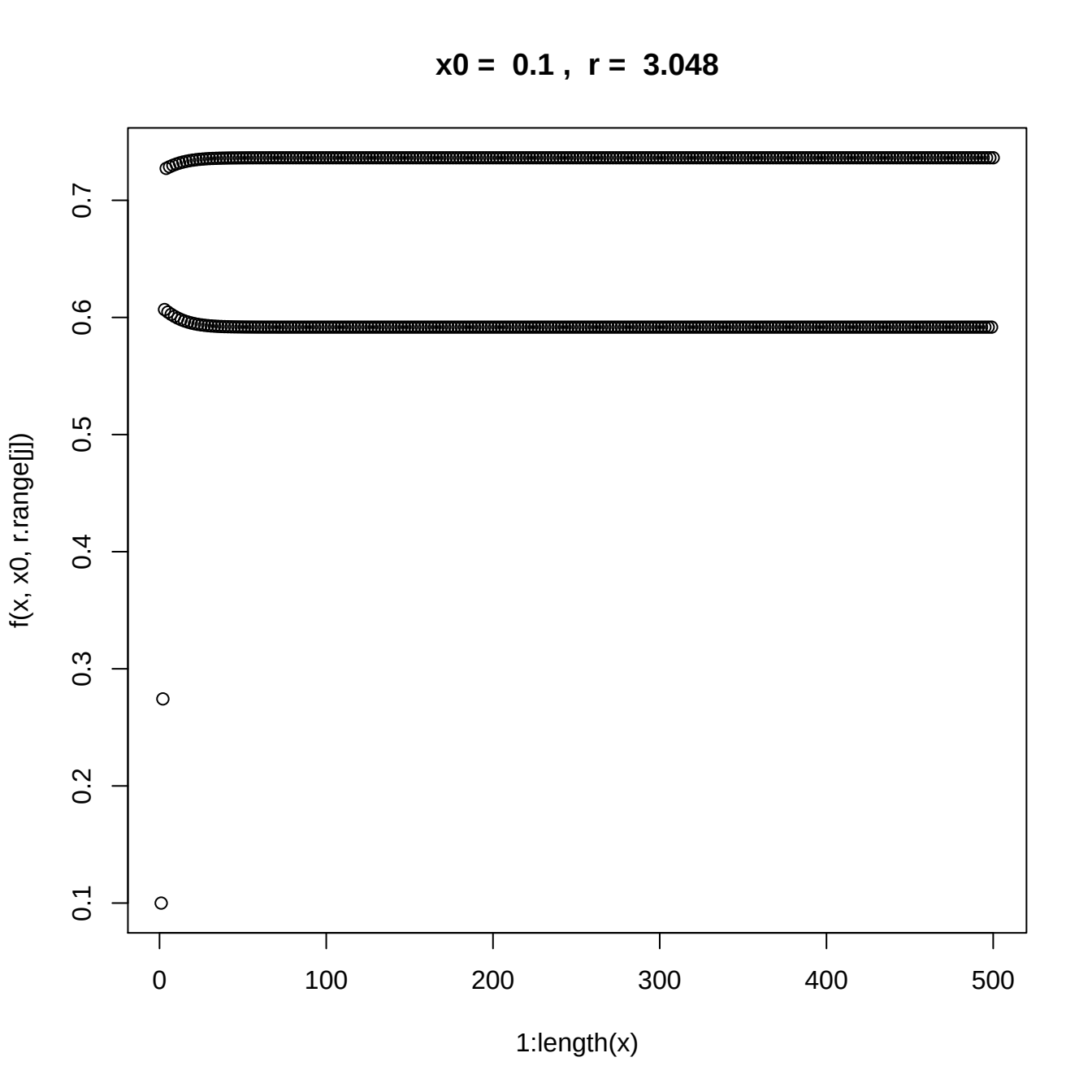

x0 = 0.1 , r = 3.038
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

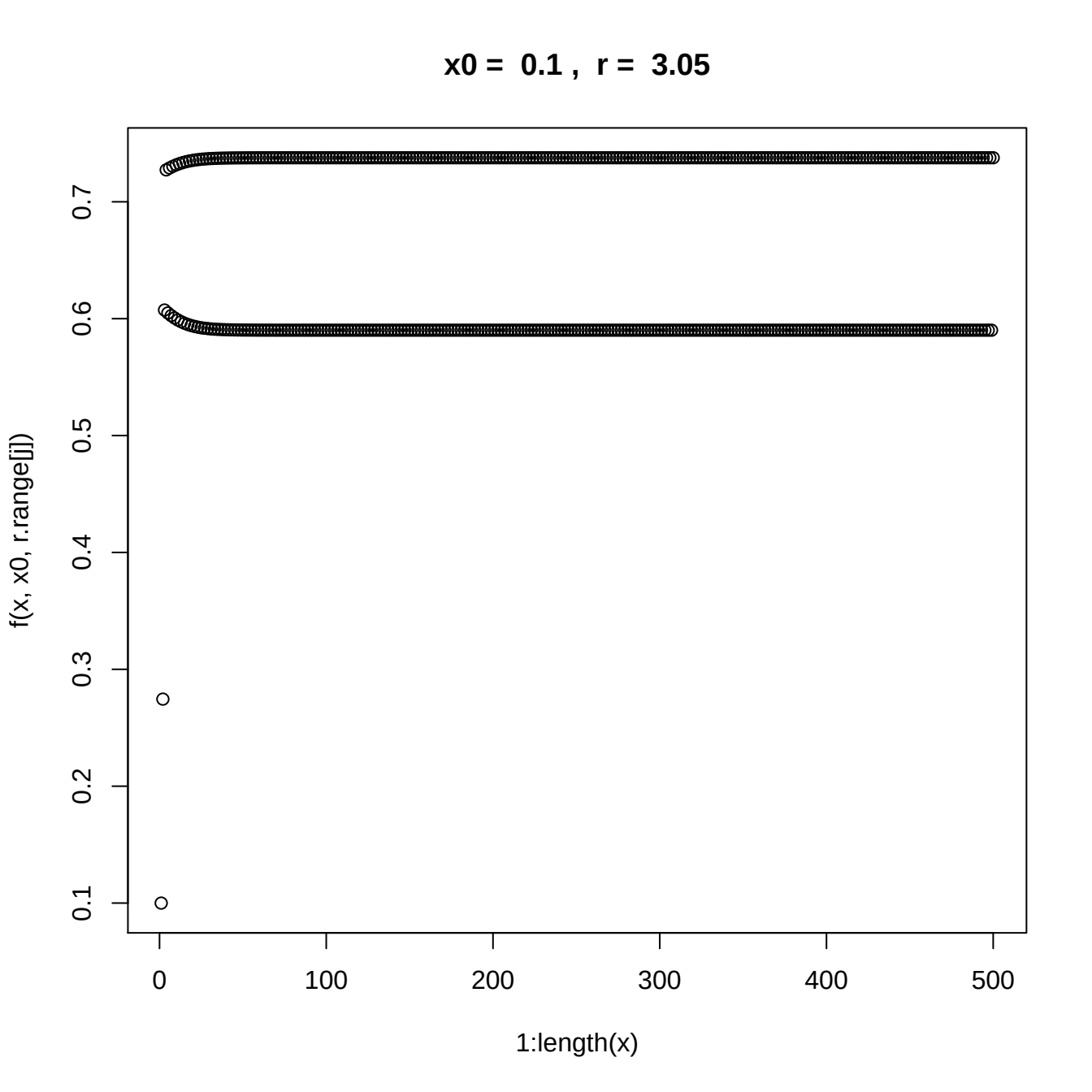

x0 = 0.1 , r = 3.04
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

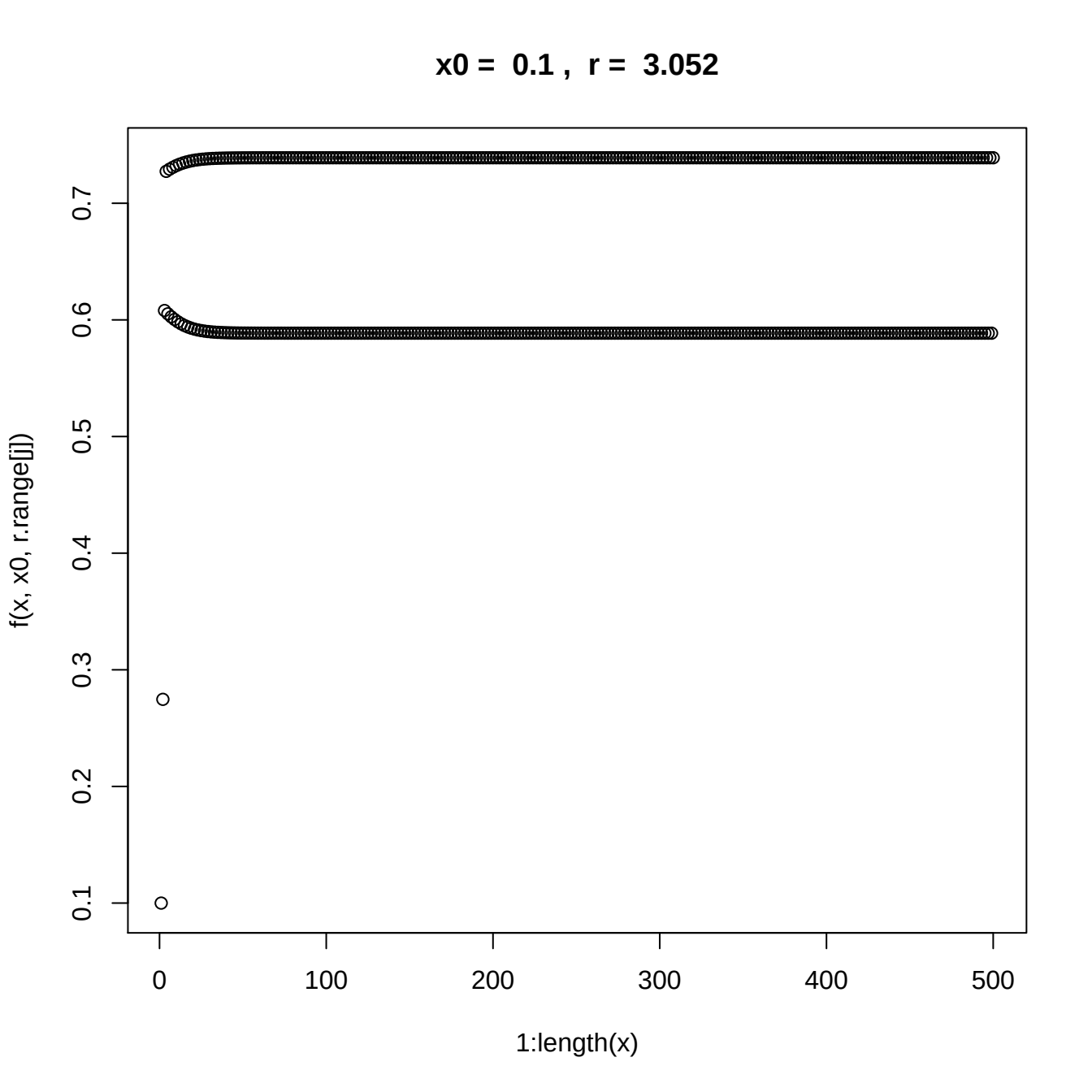

x0 = 0.1 , r = 3.042
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

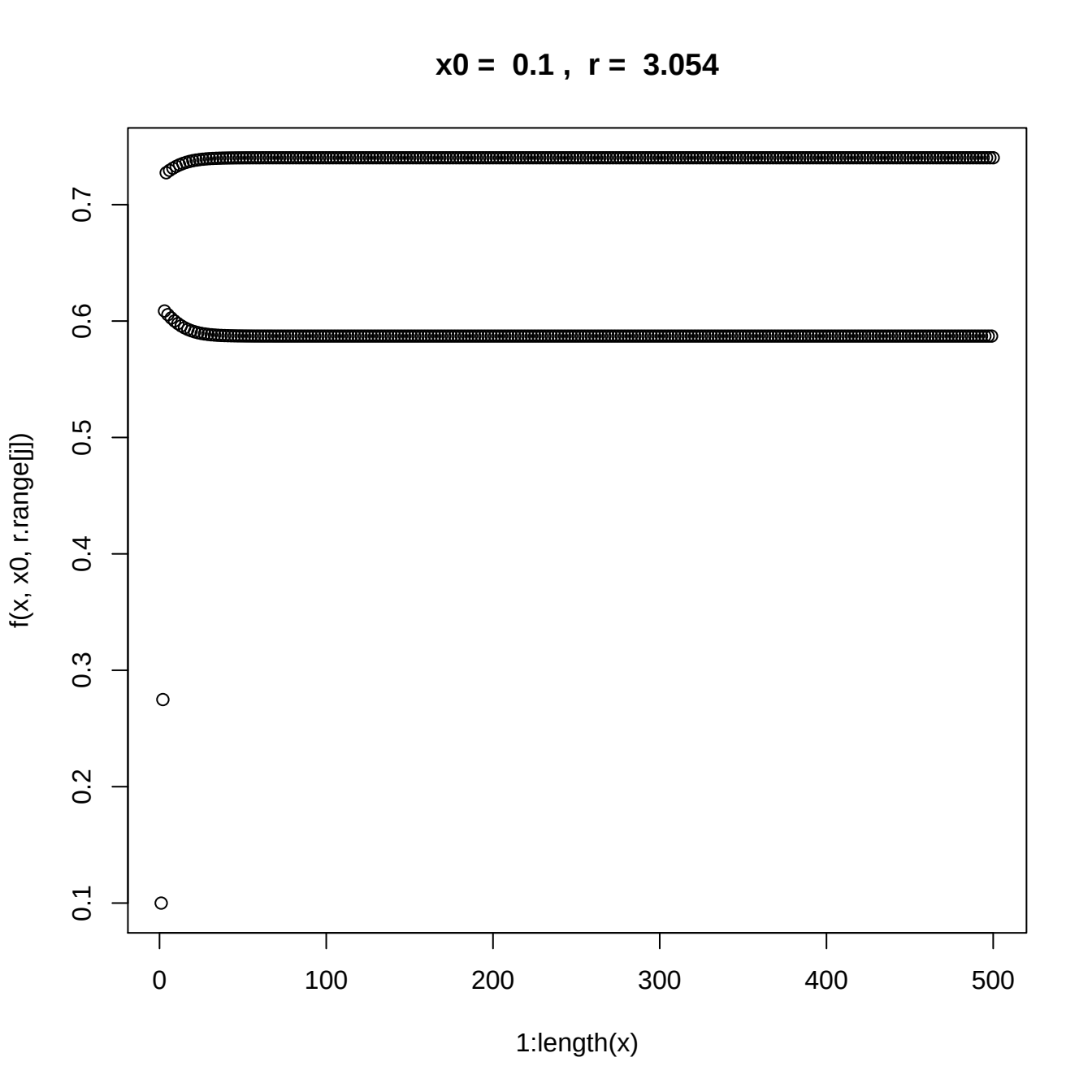

x0 = 0.1 , r = 3.044
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

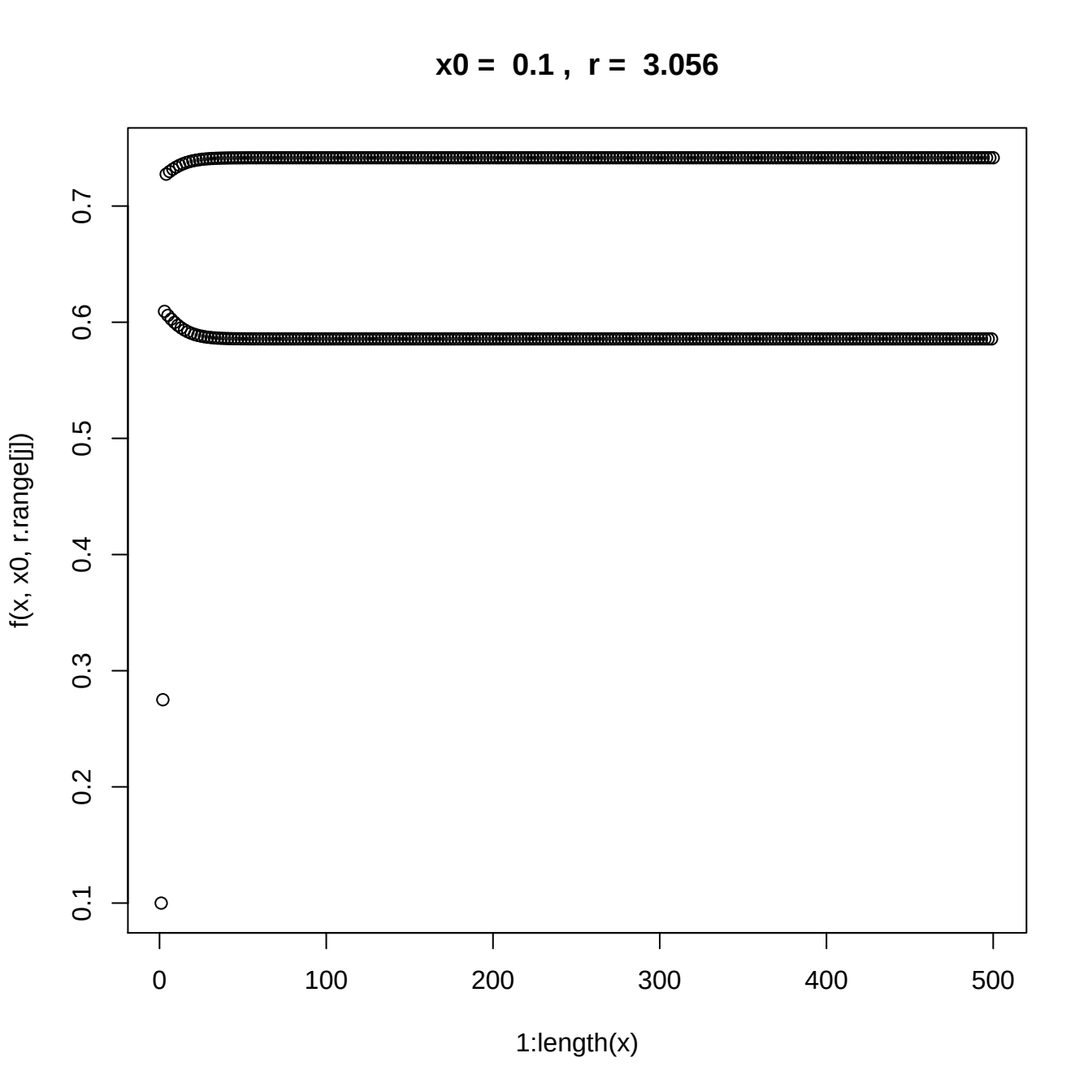

x0 = 0.1 , r = 3.046
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

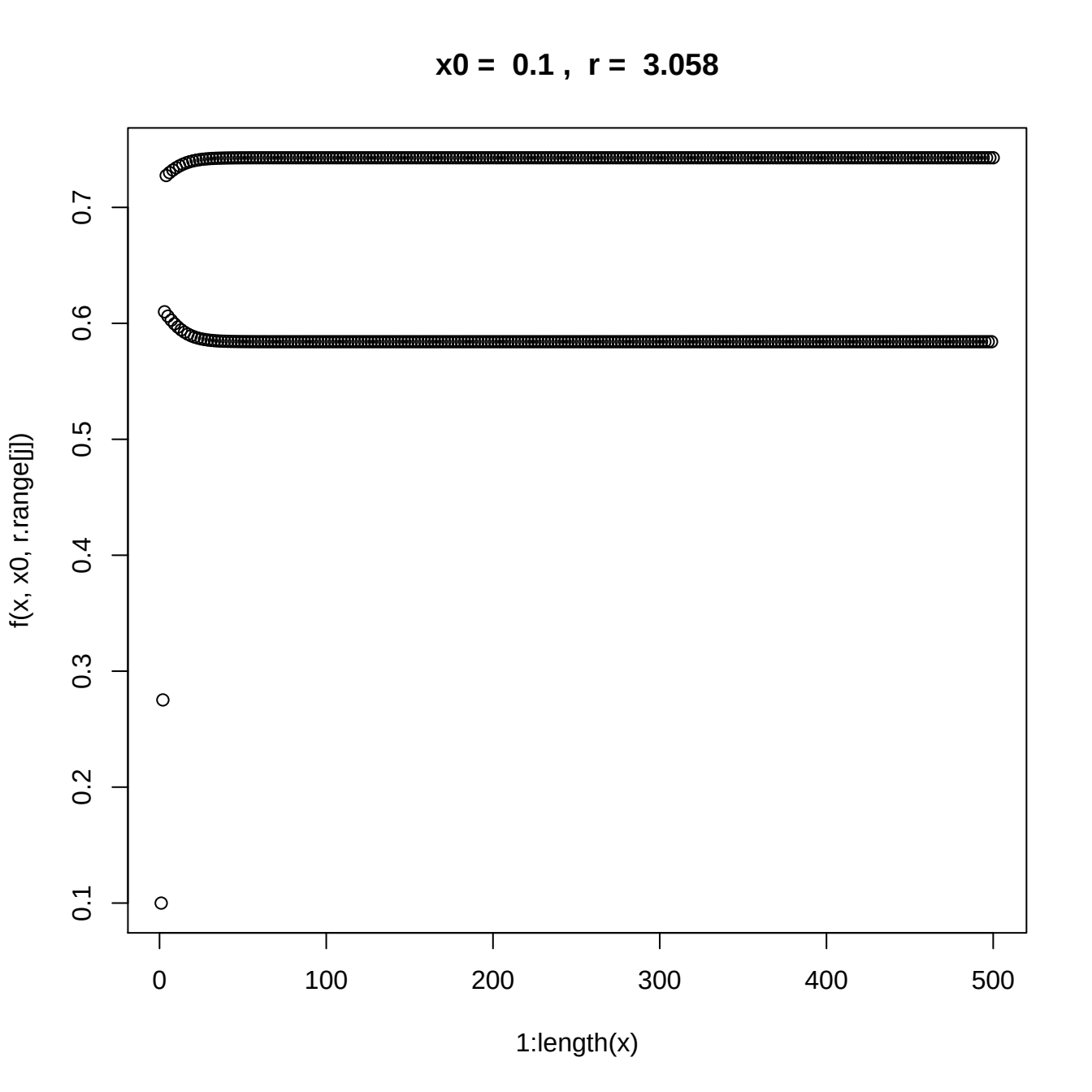

x0 = 0.1 , r = 3.048
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

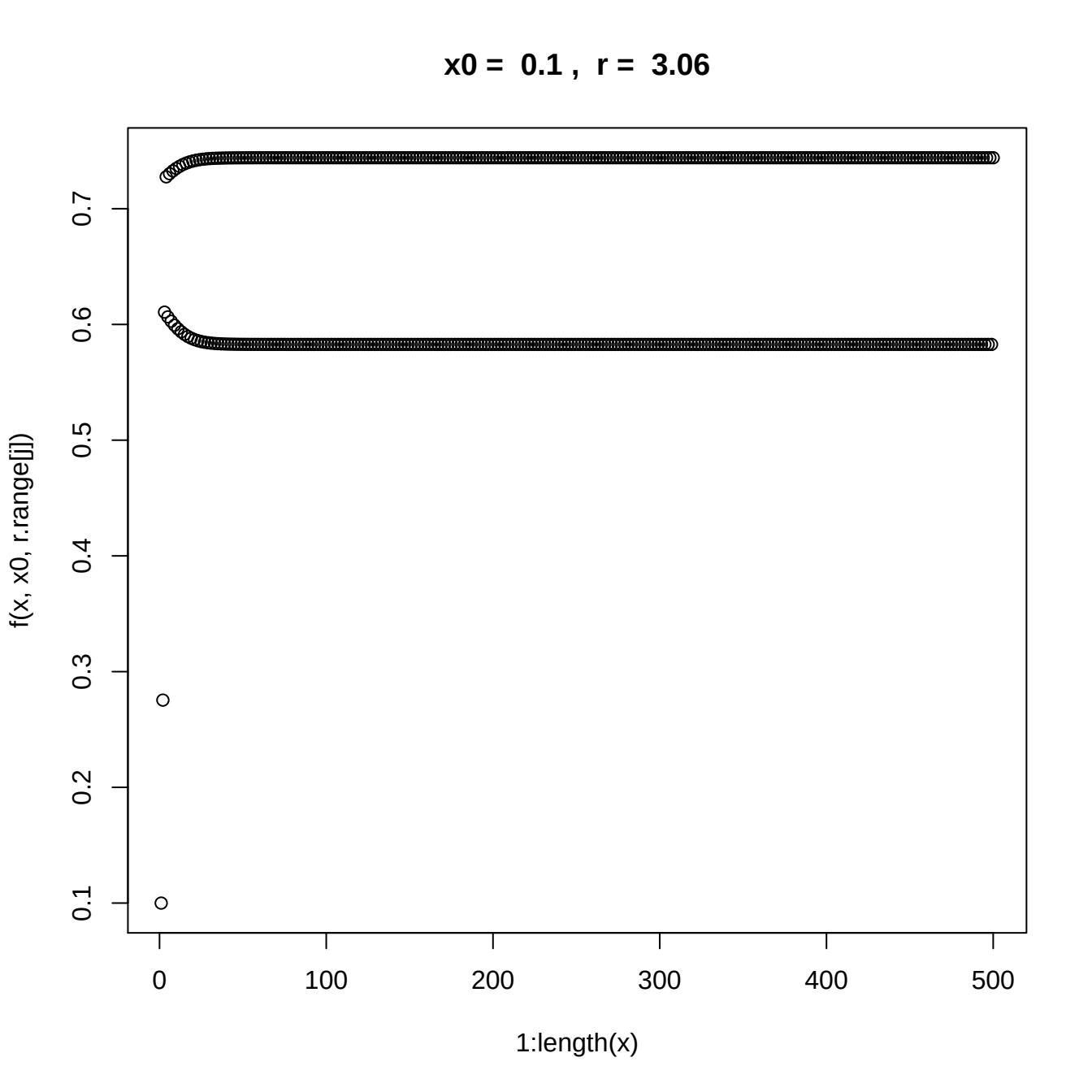

x0 = 0.1 , r = 3.05
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

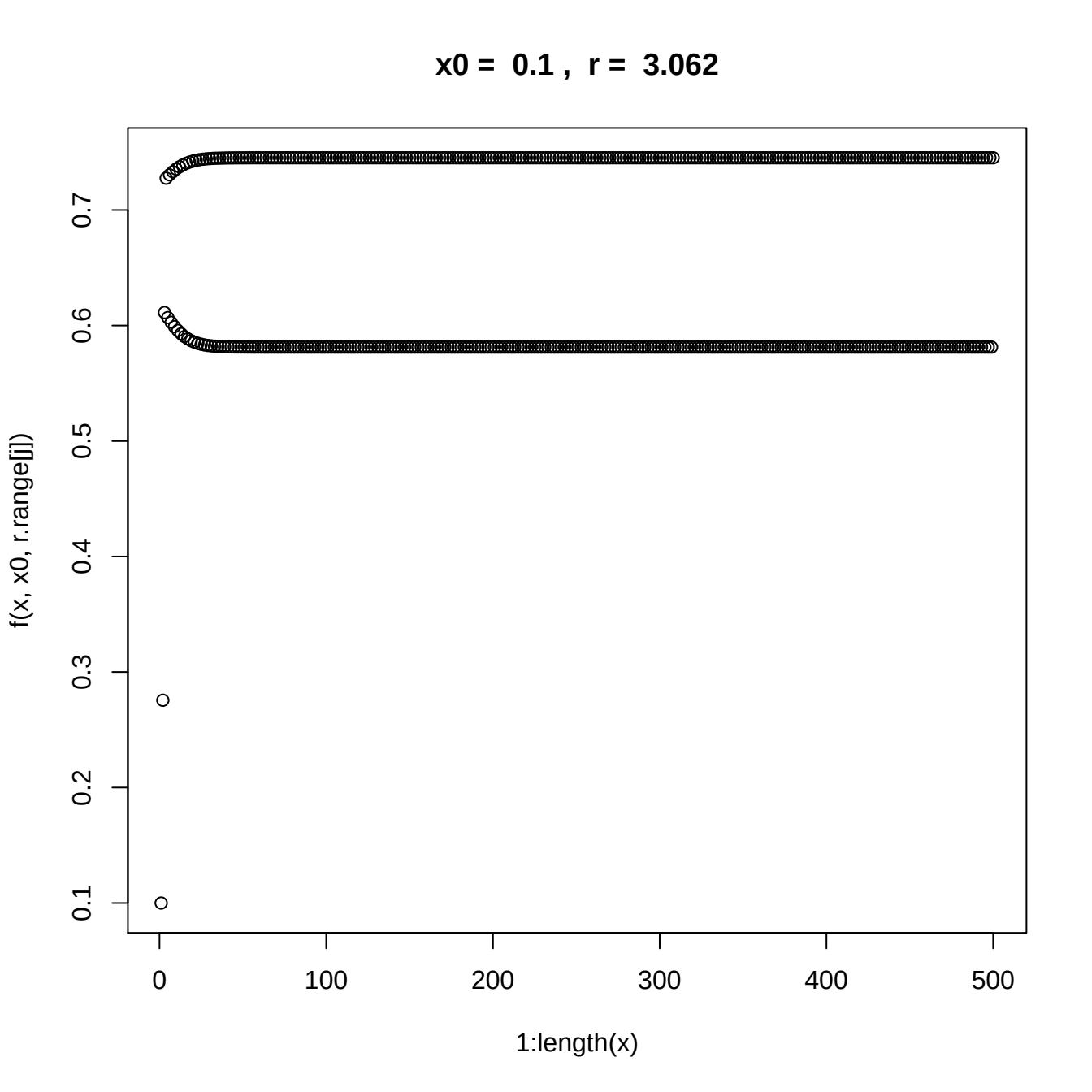

x0 = 0.1 , r = 3.052
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

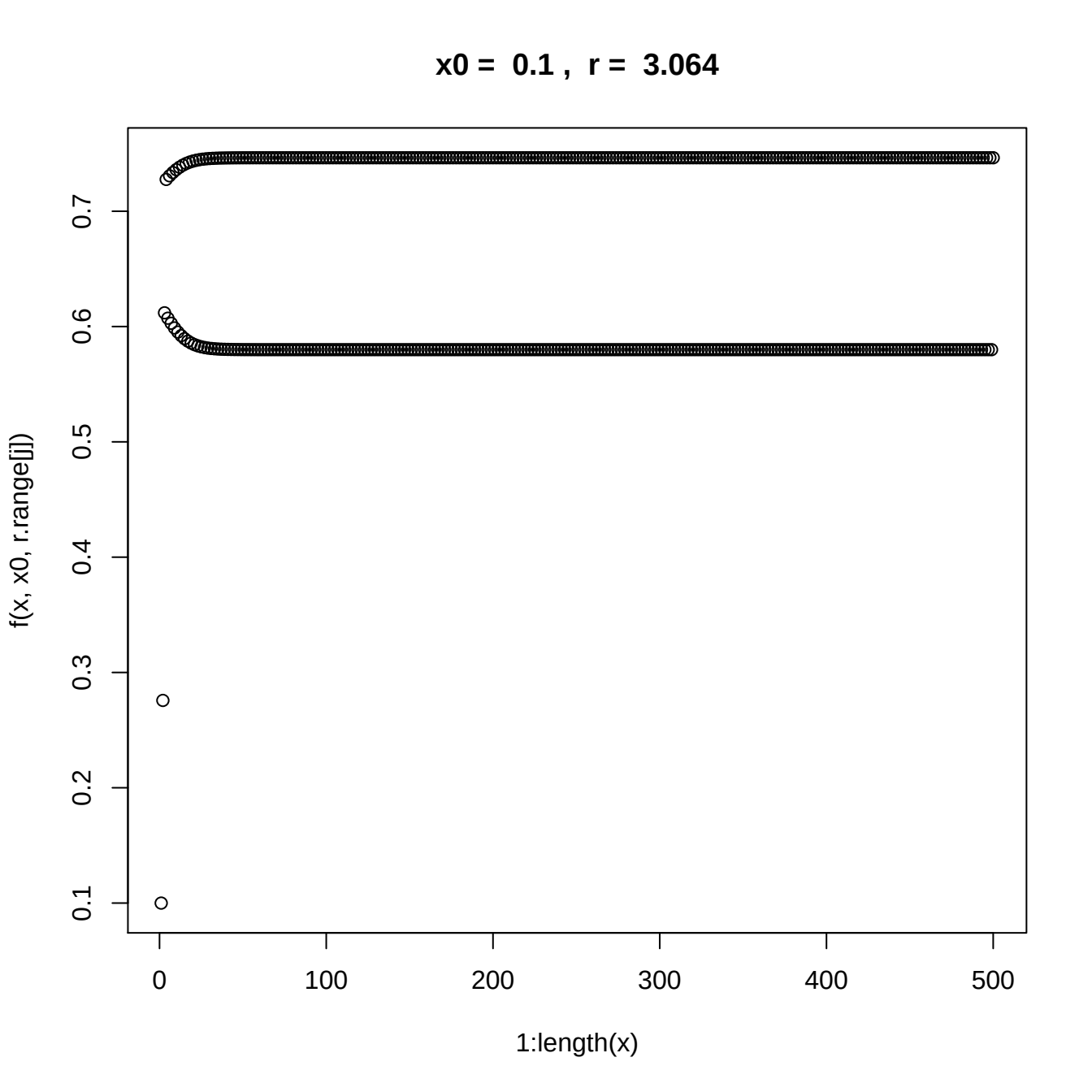

x0 = 0.1 , r = 3.054
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

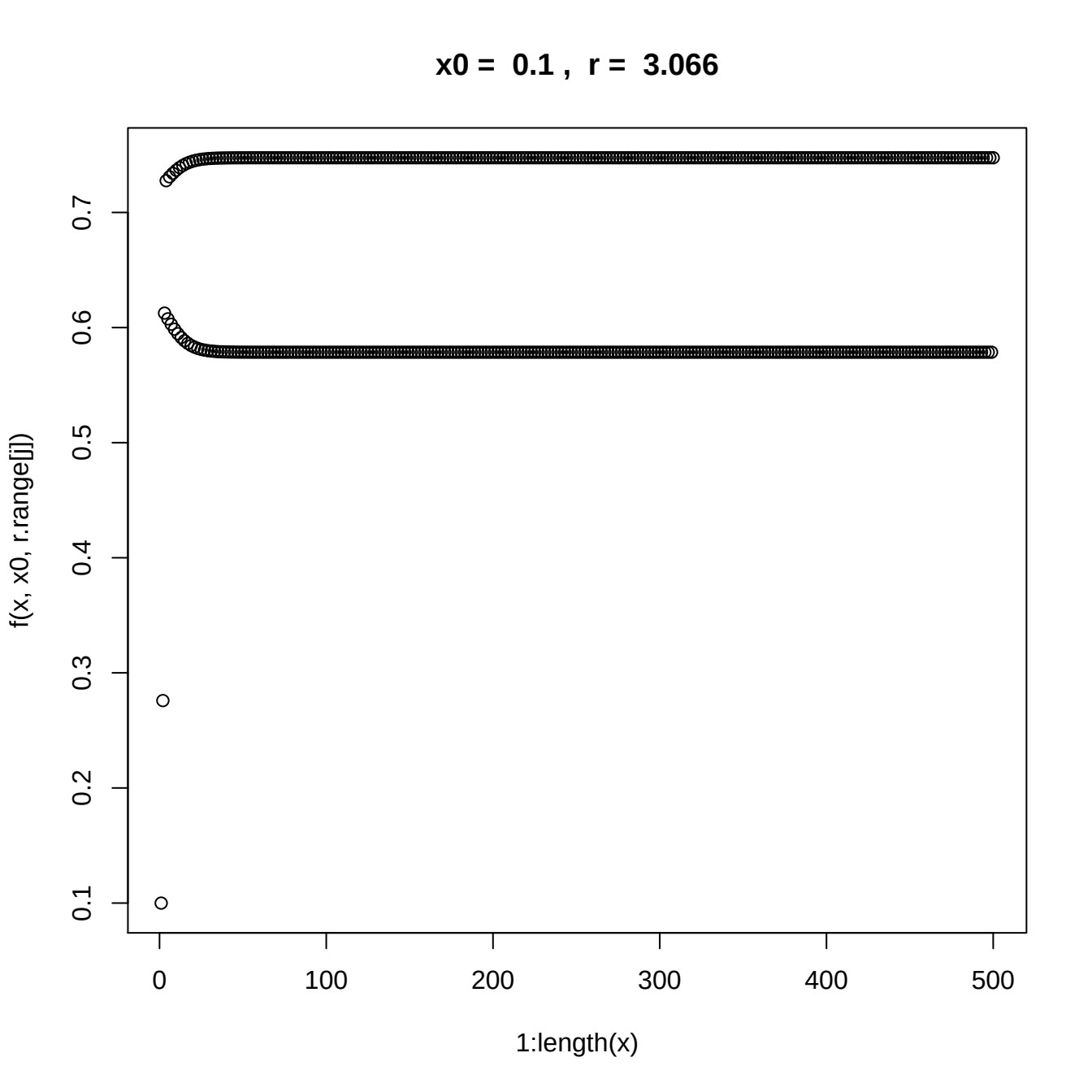

x0 = 0.1 , r = 3.056
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

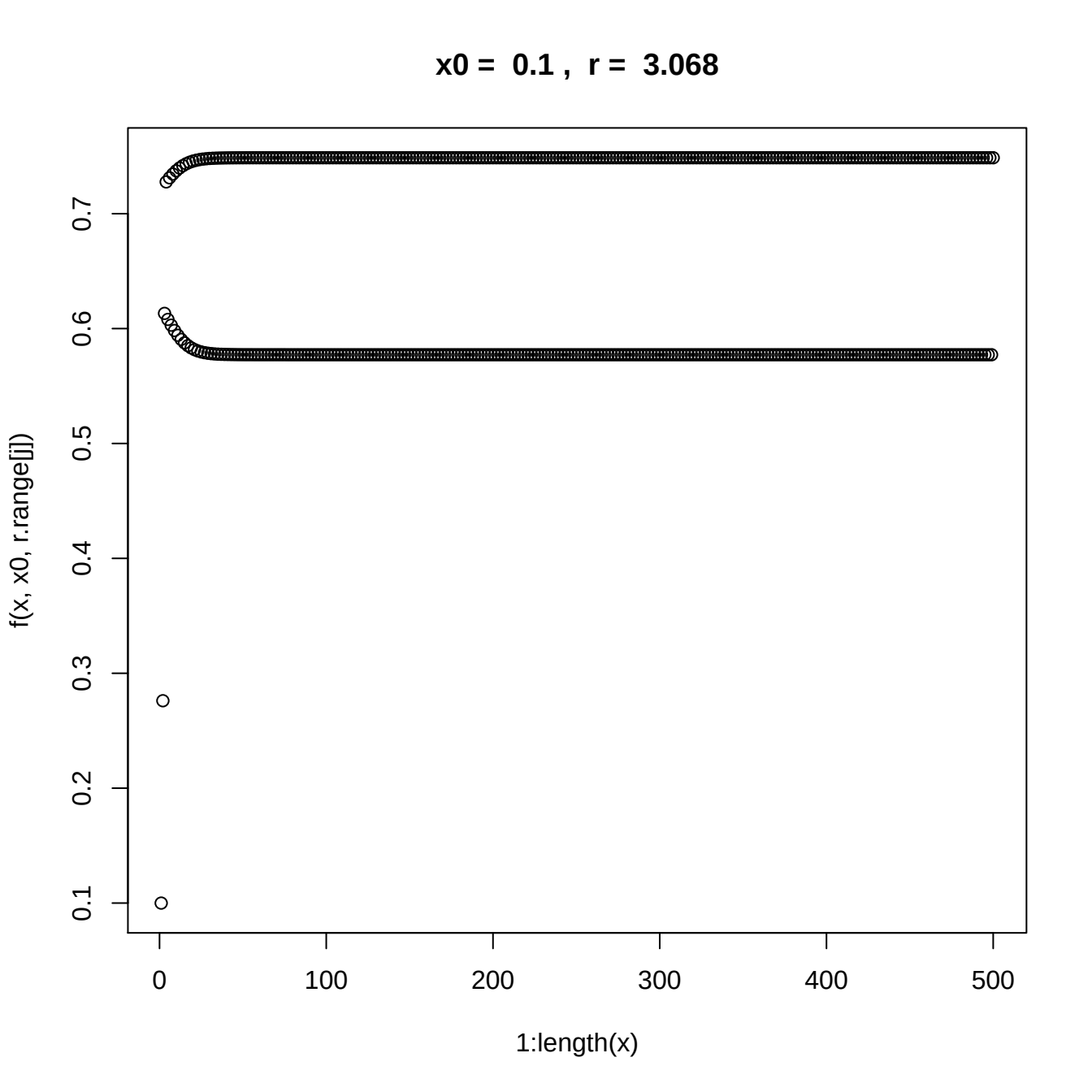

x0 = 0.1 , r = 3.058
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

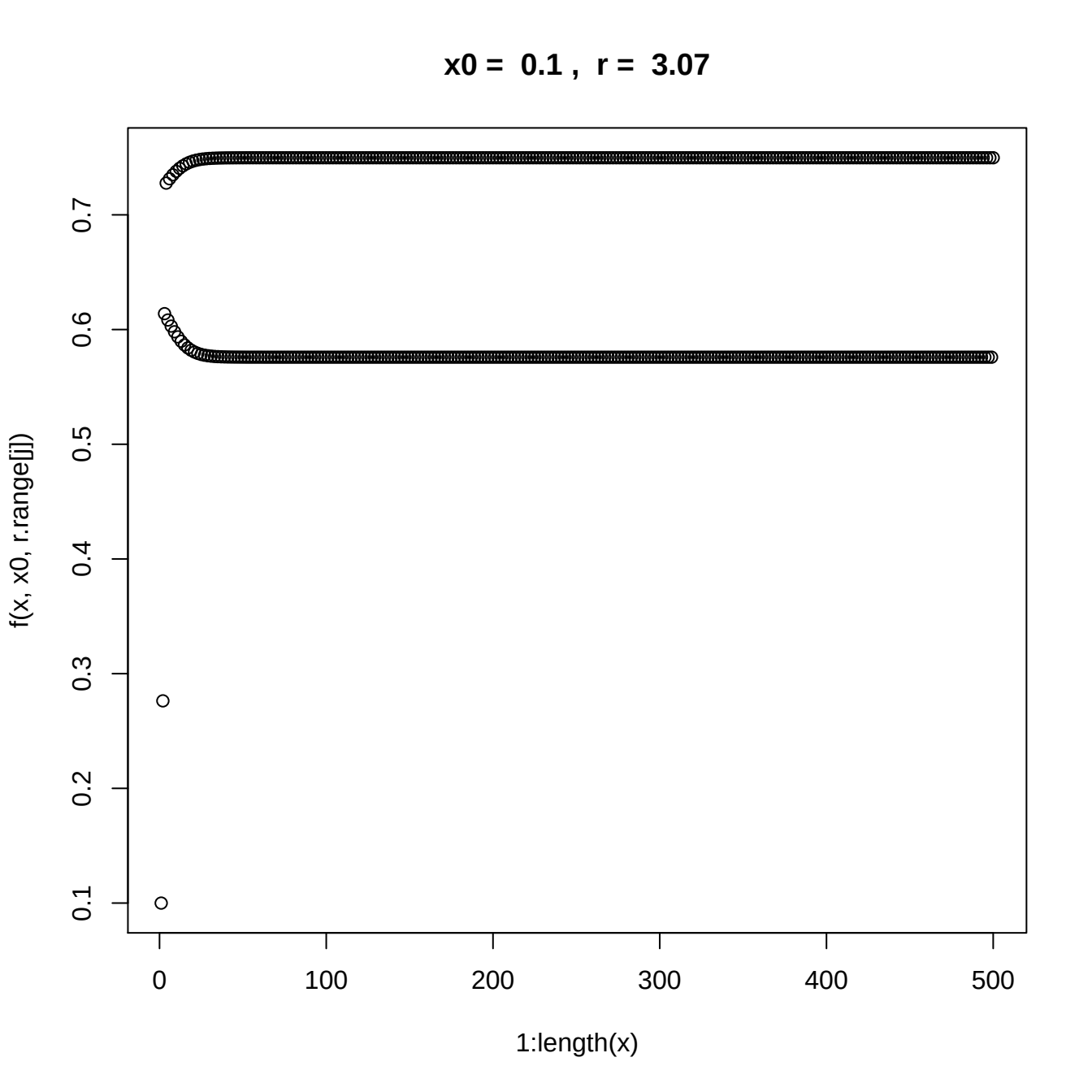

x0 = 0.1 , r = 3.06
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

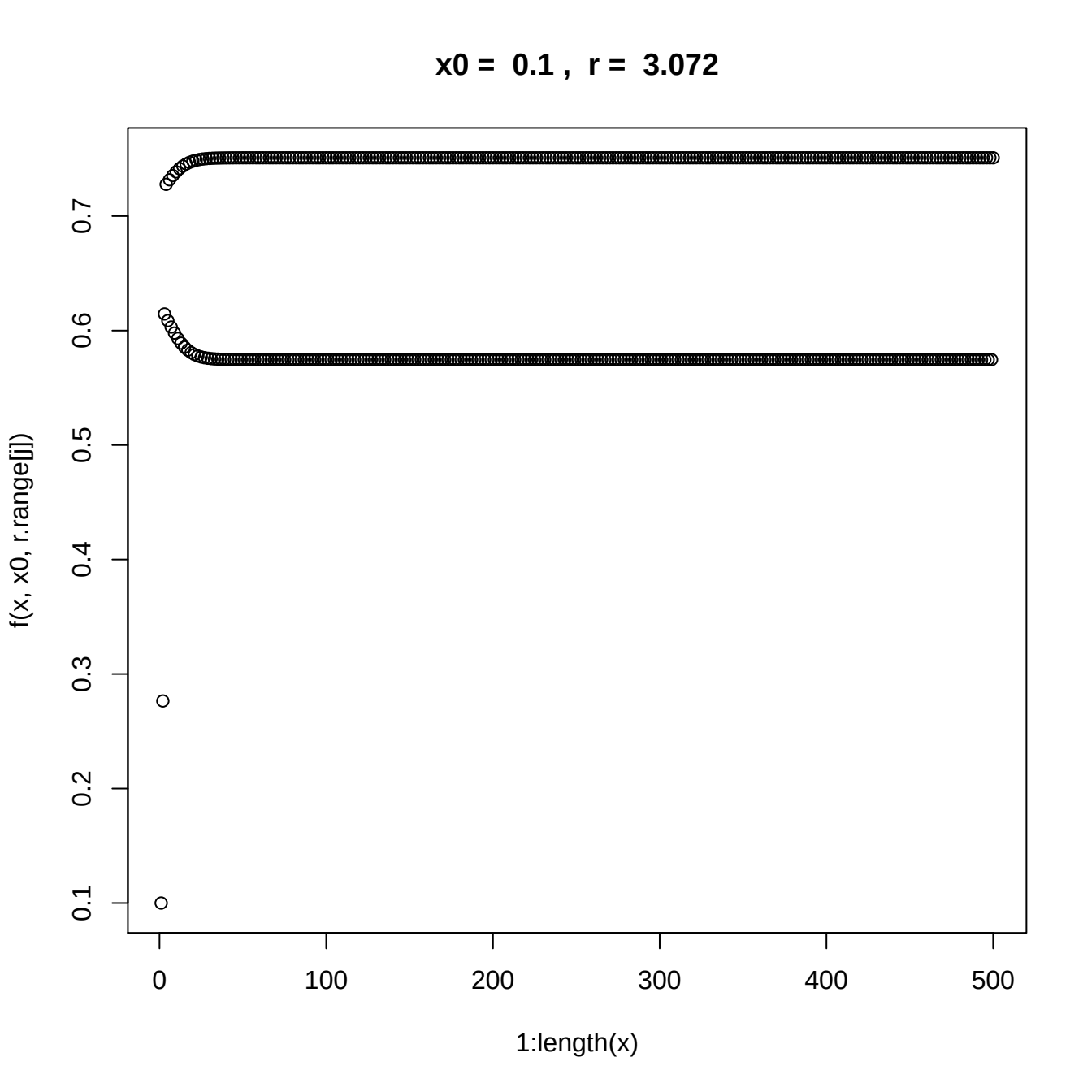

x0 = 0.1 , r = 3.062
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

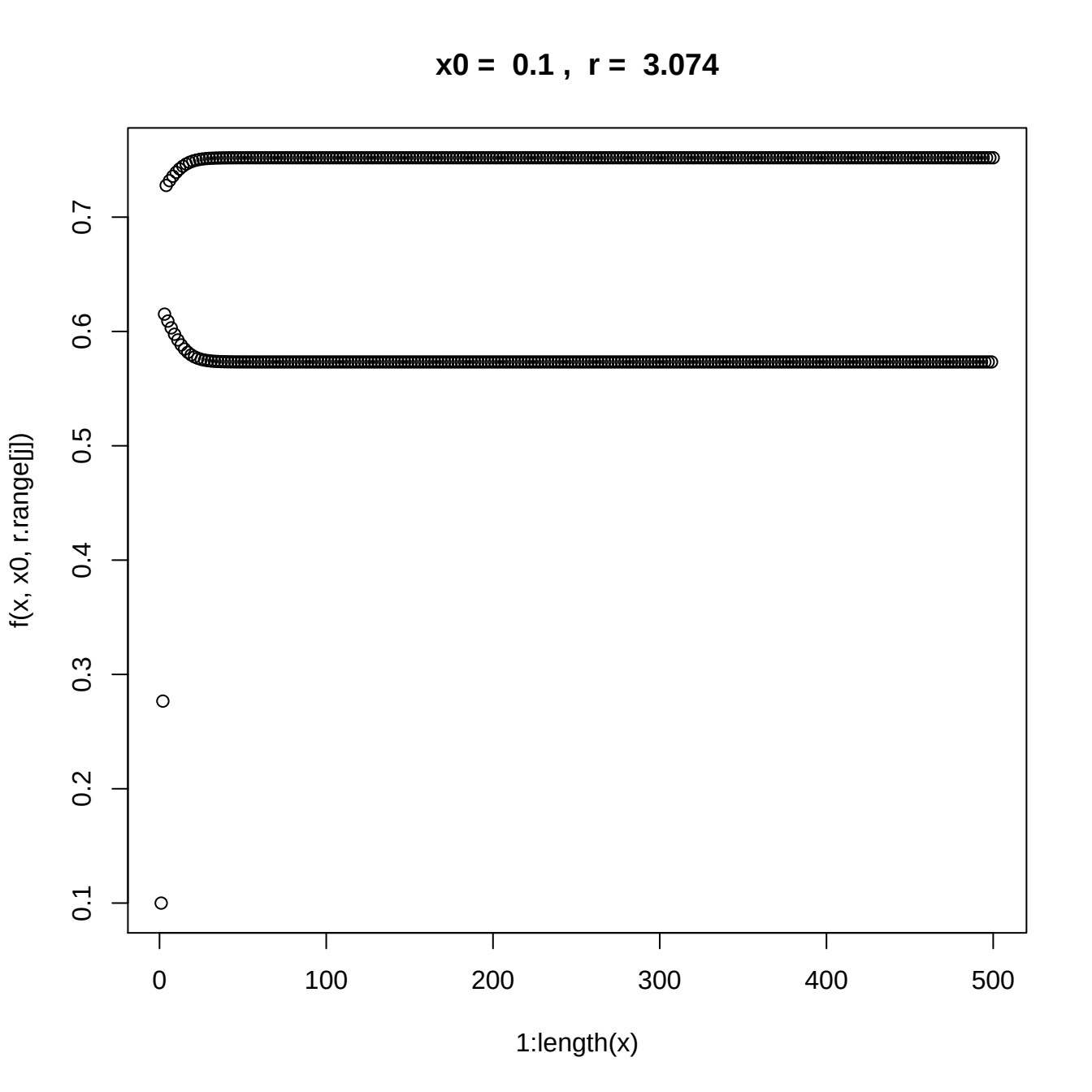

x0 = 0.1 , r = 3.064
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

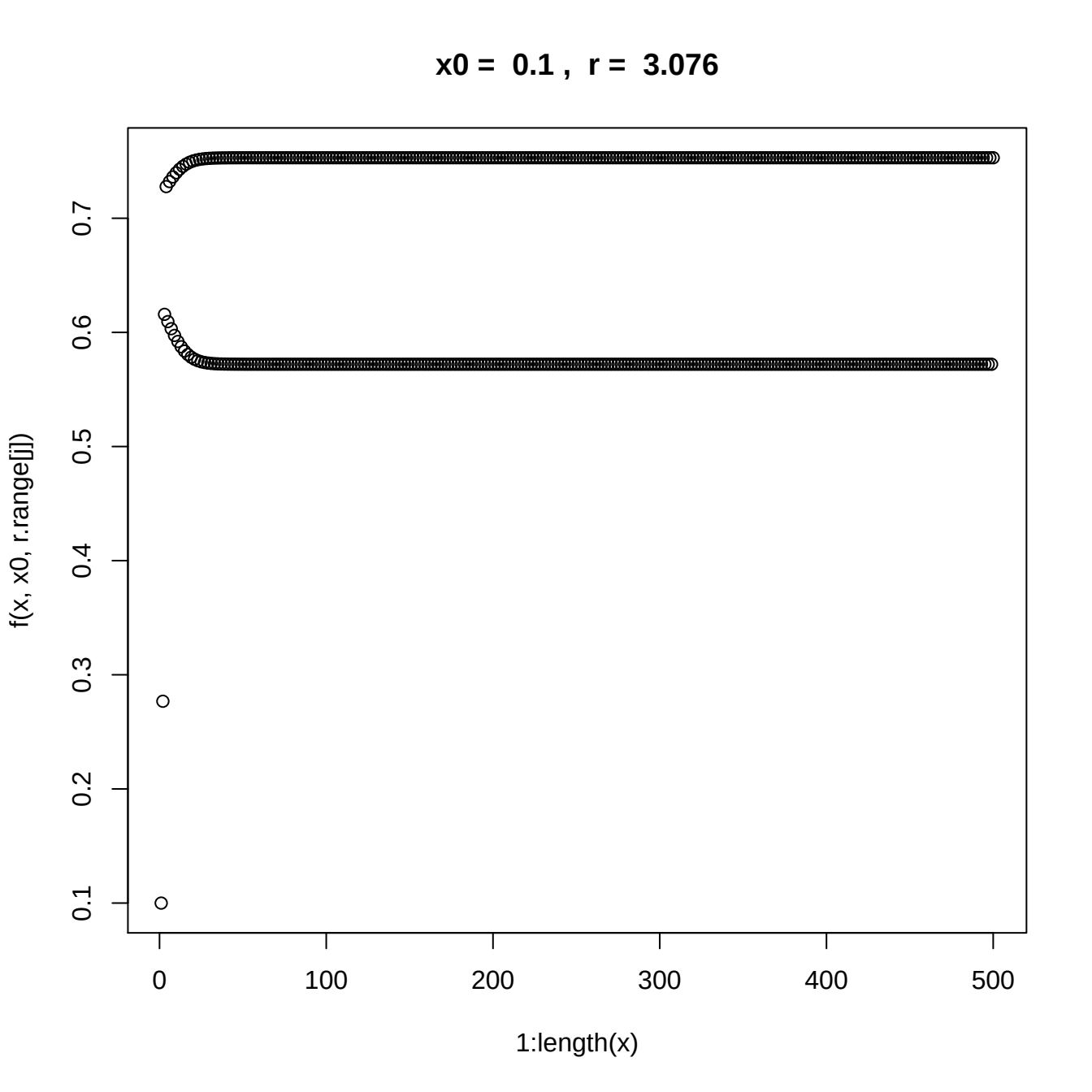

x0 = 0.1 , r = 3.066
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

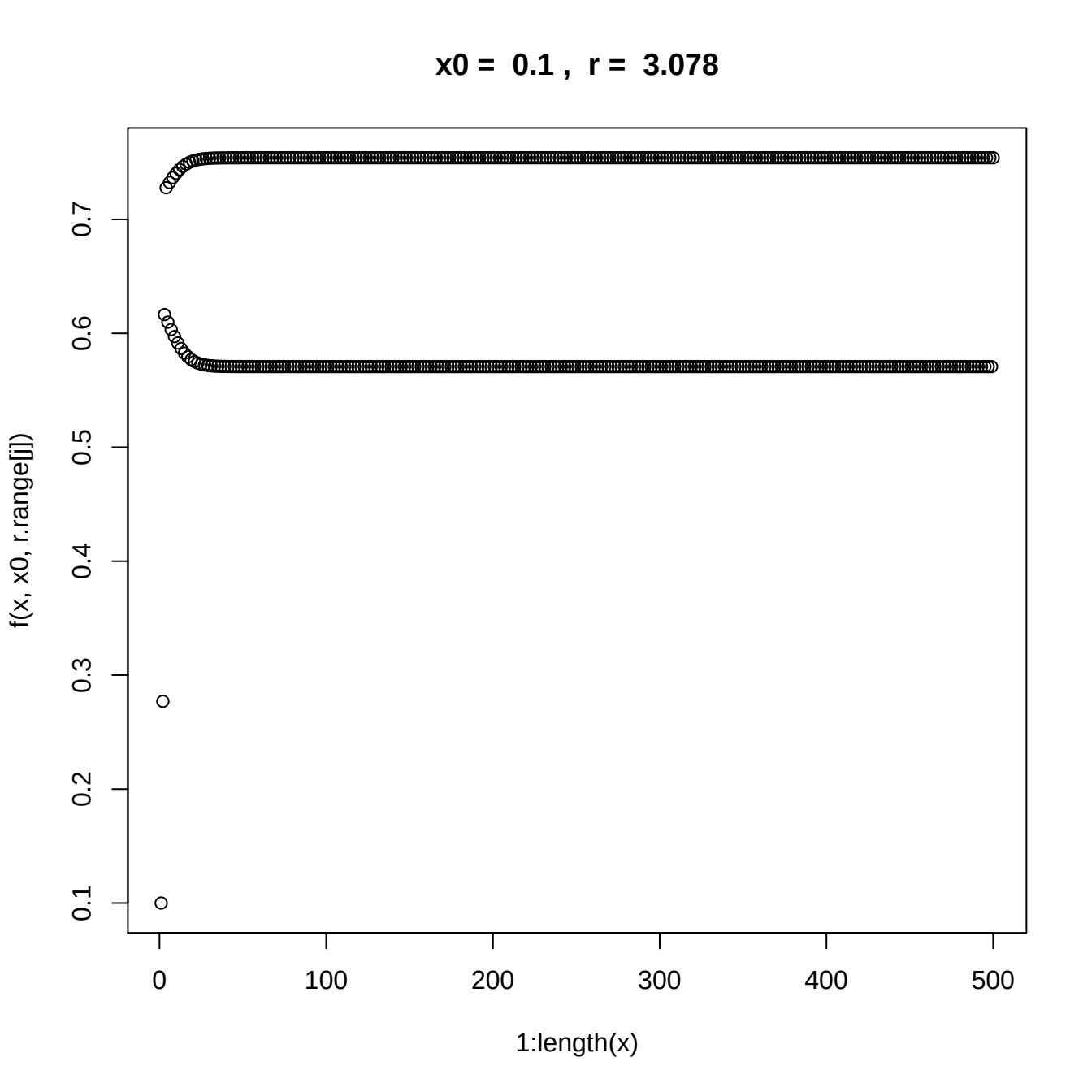

x0 = 0.1 , r = 3.068
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

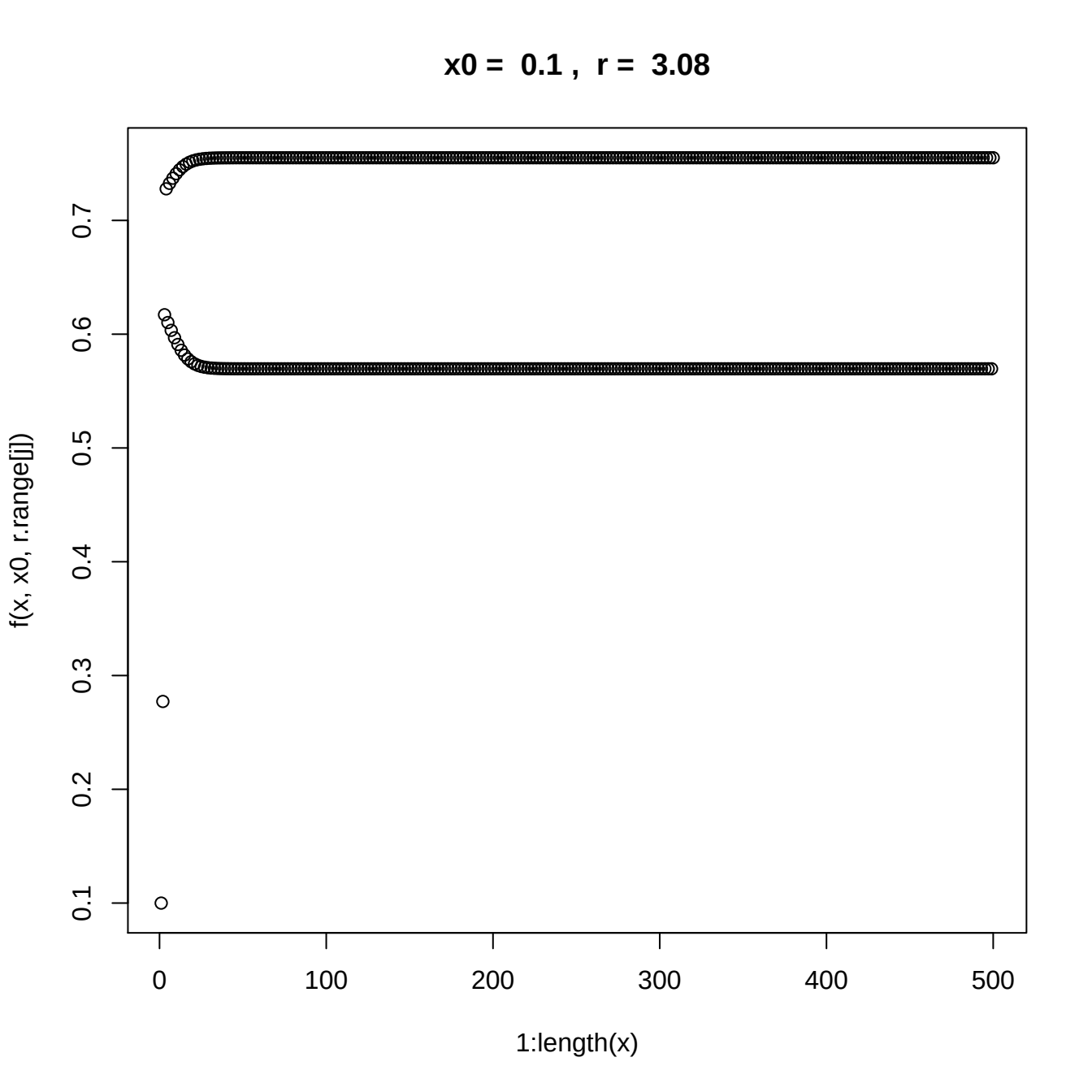

x0 = 0.1 , r = 3.07
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

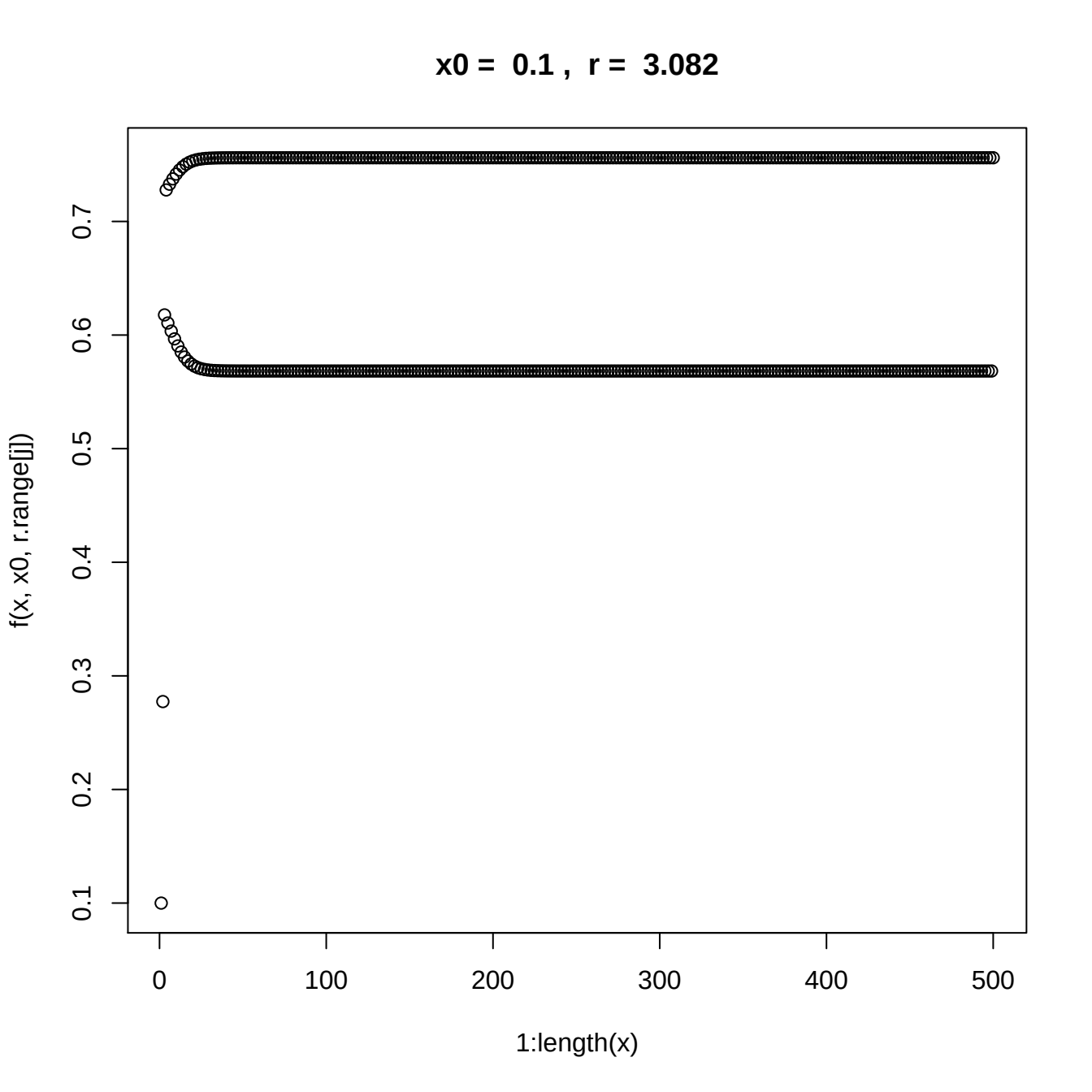

x0 = 0.1 , r = 3.072
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

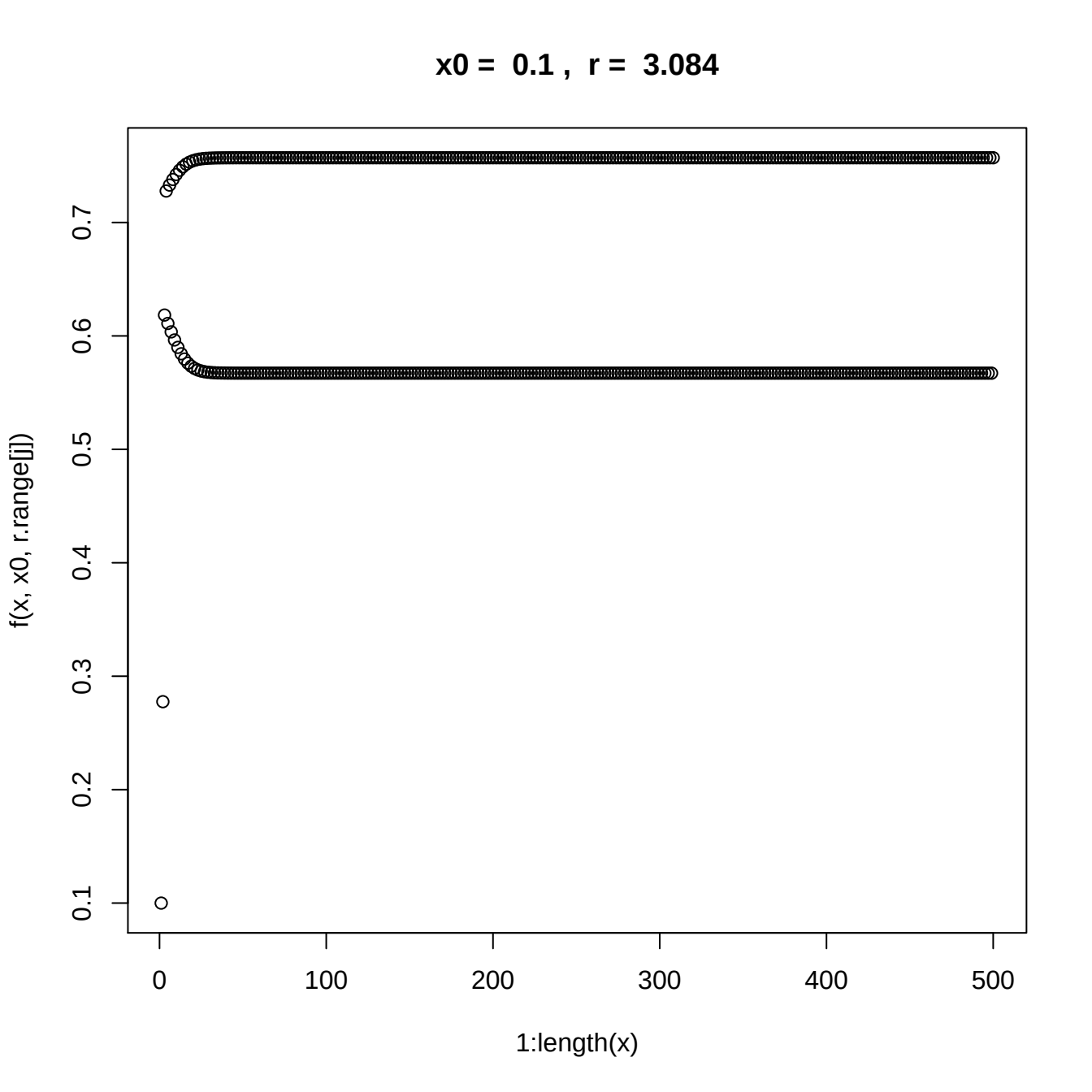

x0 = 0.1 , r = 3.074
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500

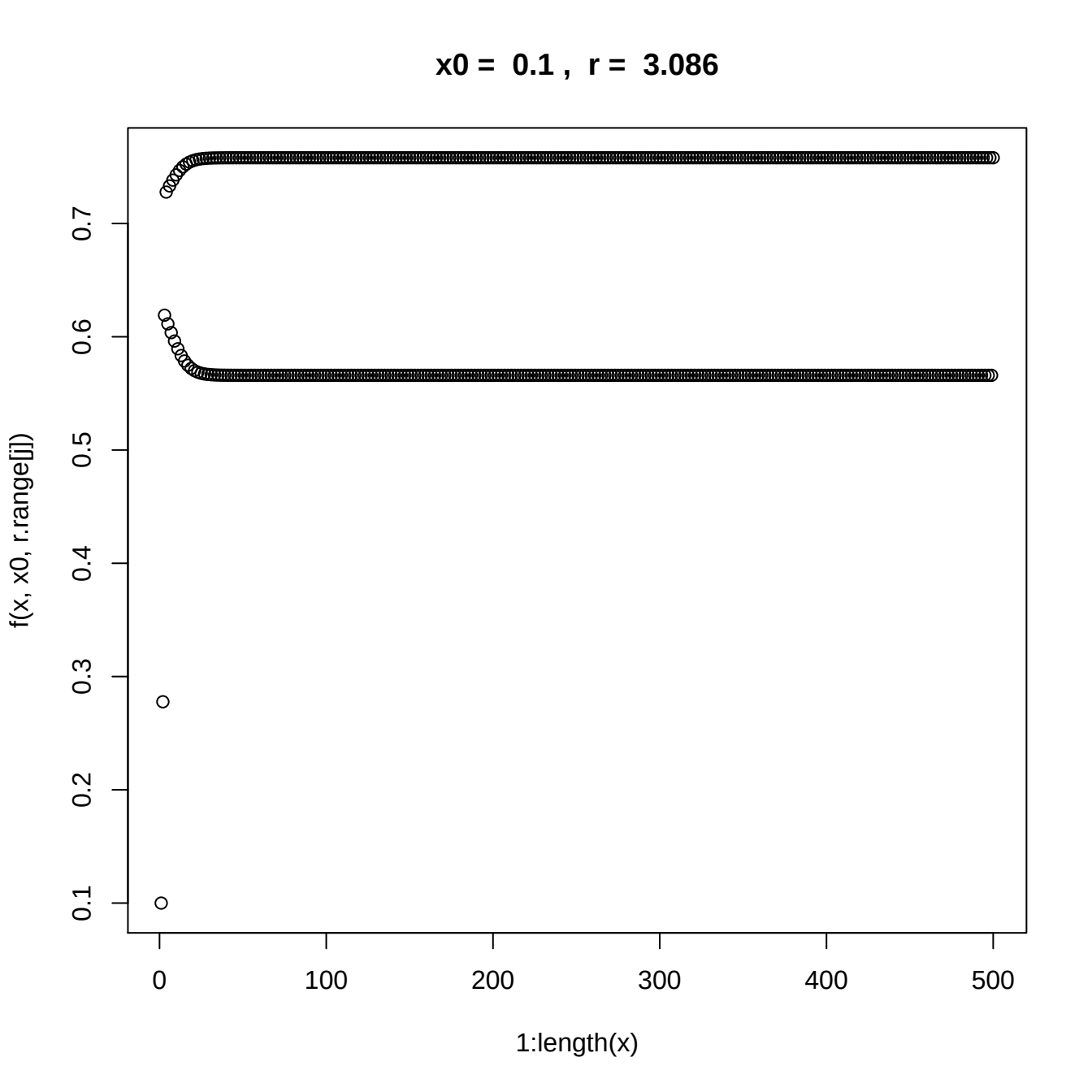

x0 = 0.1 , r = 3.076
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

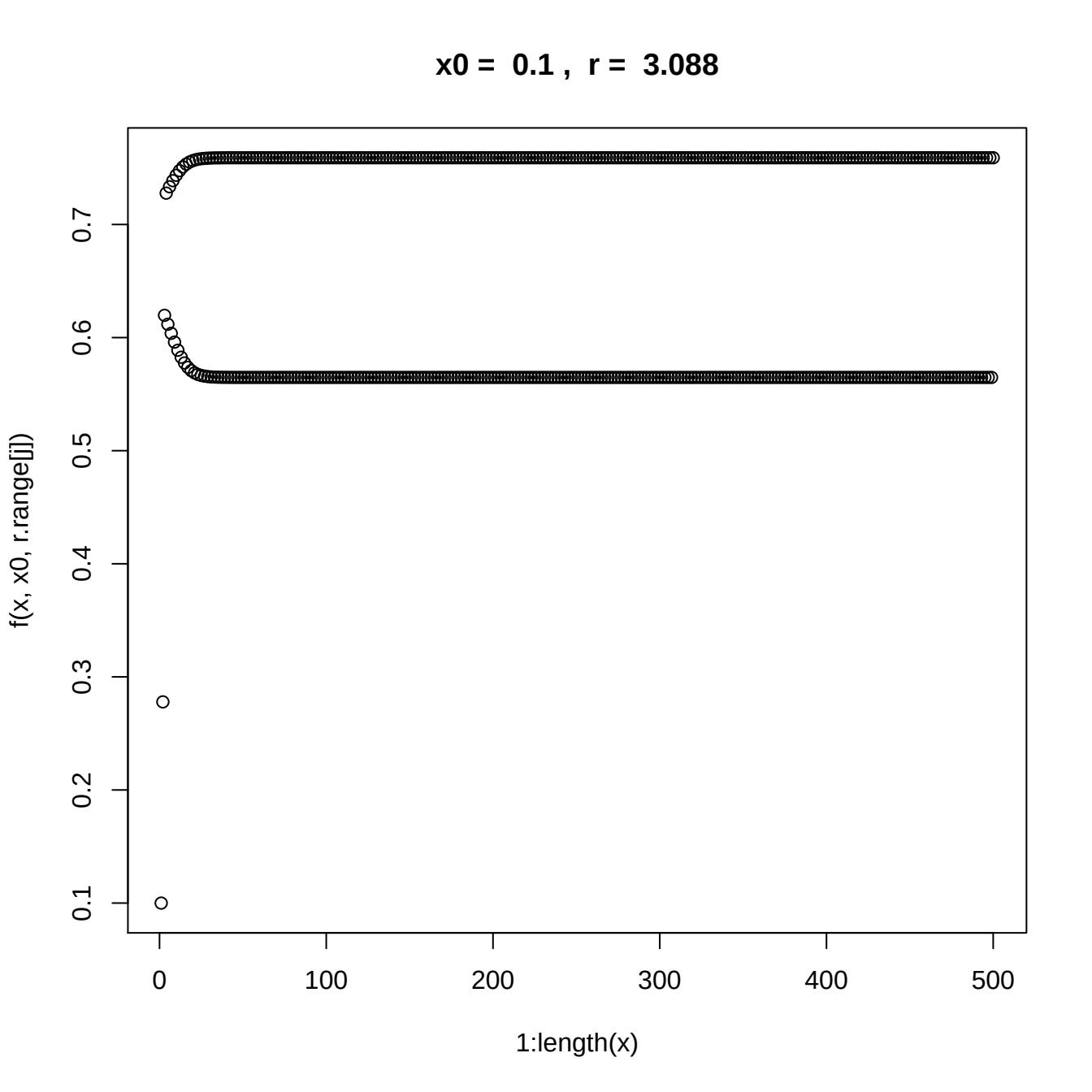

x0 = 0.1 , r = 3.078
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

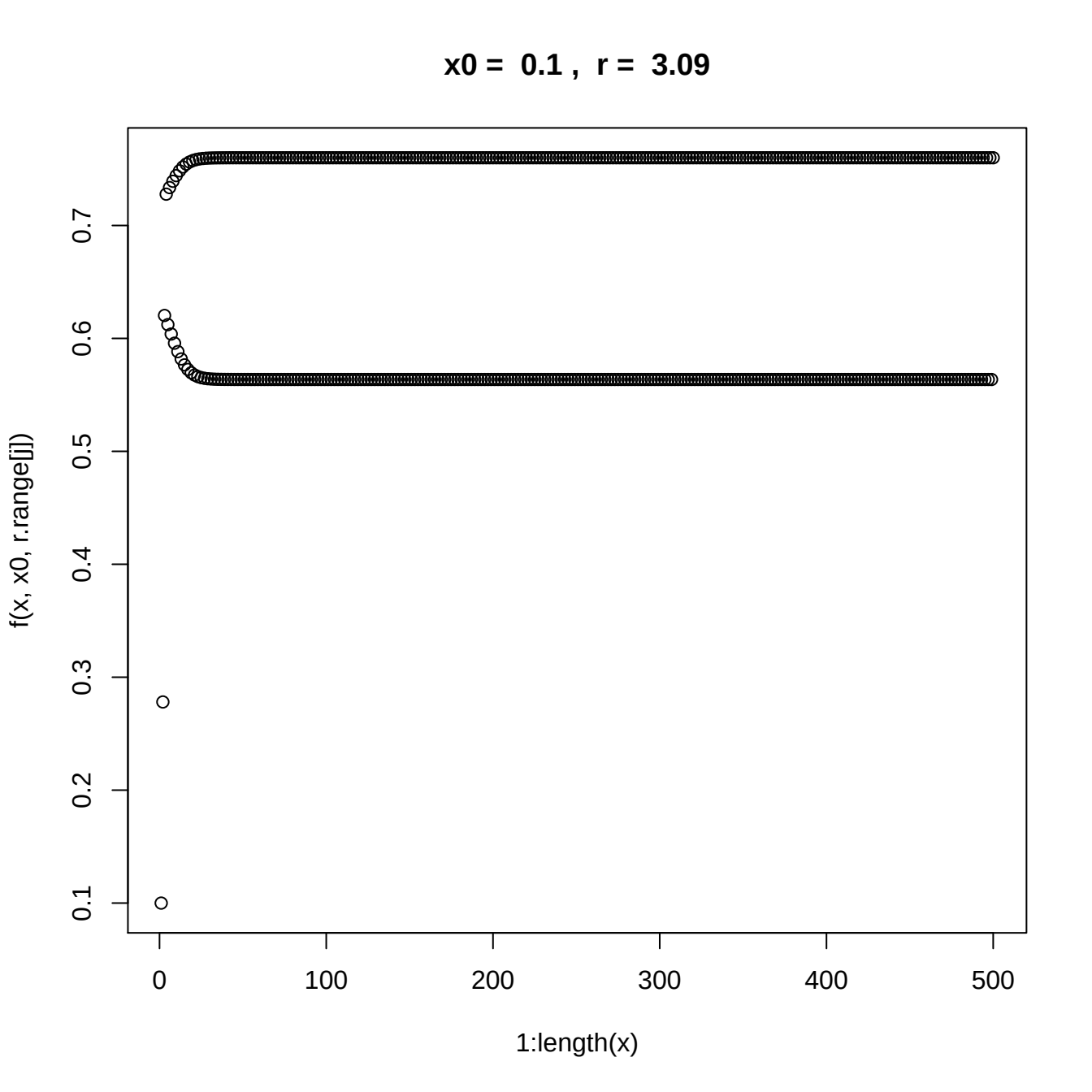

x0 = 0.1 , r = 3.08
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

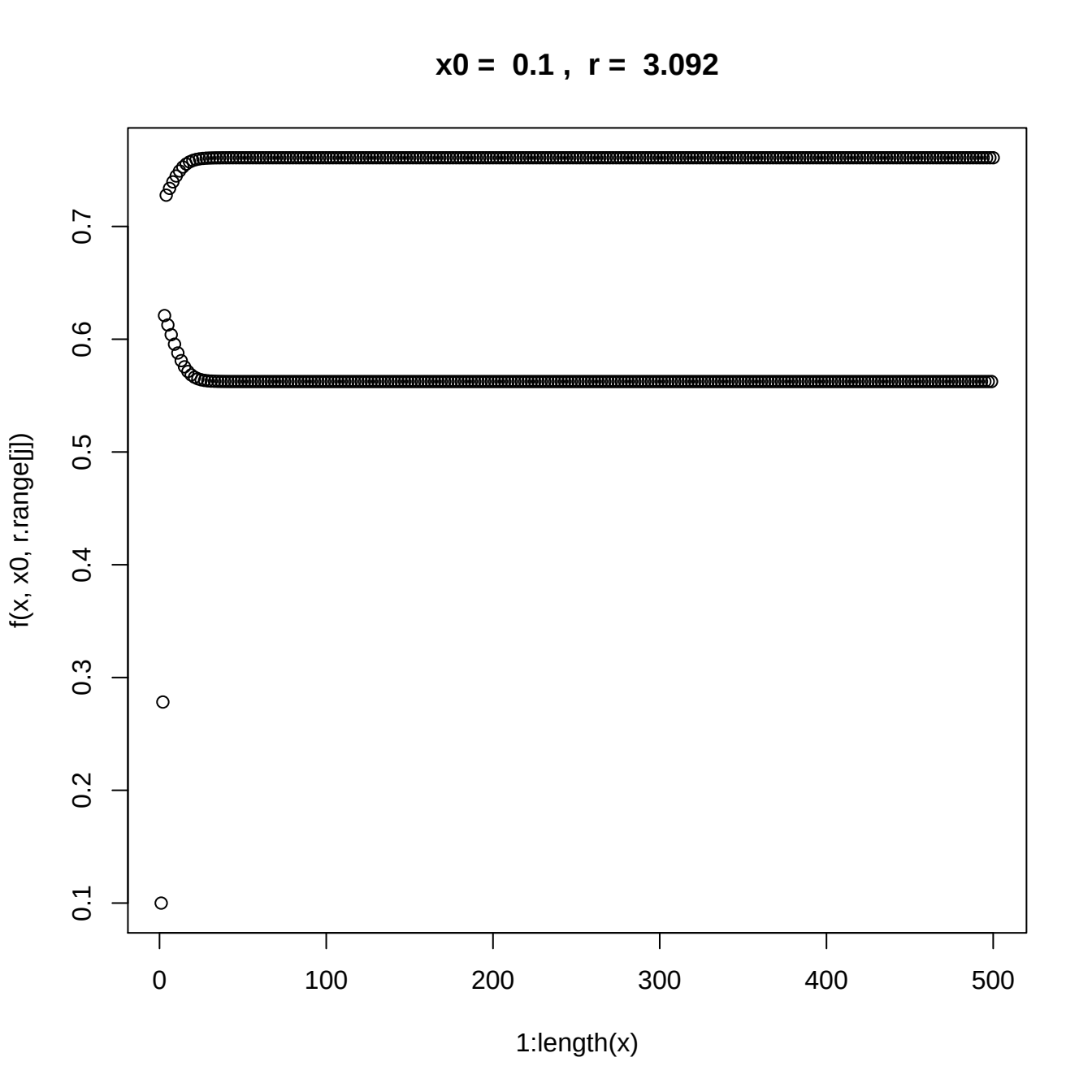

x0 = 0.1 , r = 3.082
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

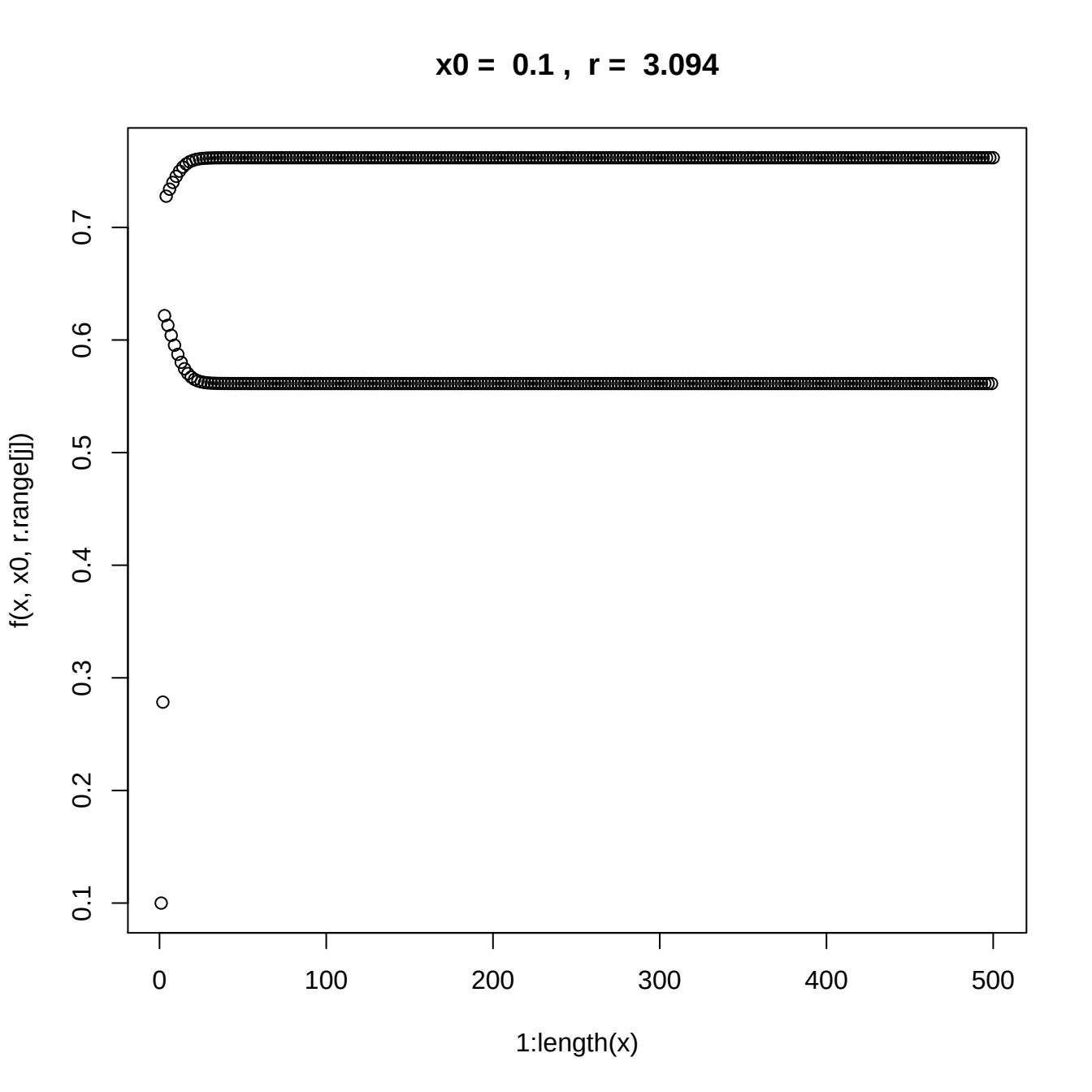

x0 = 0.1 , r = 3.084
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

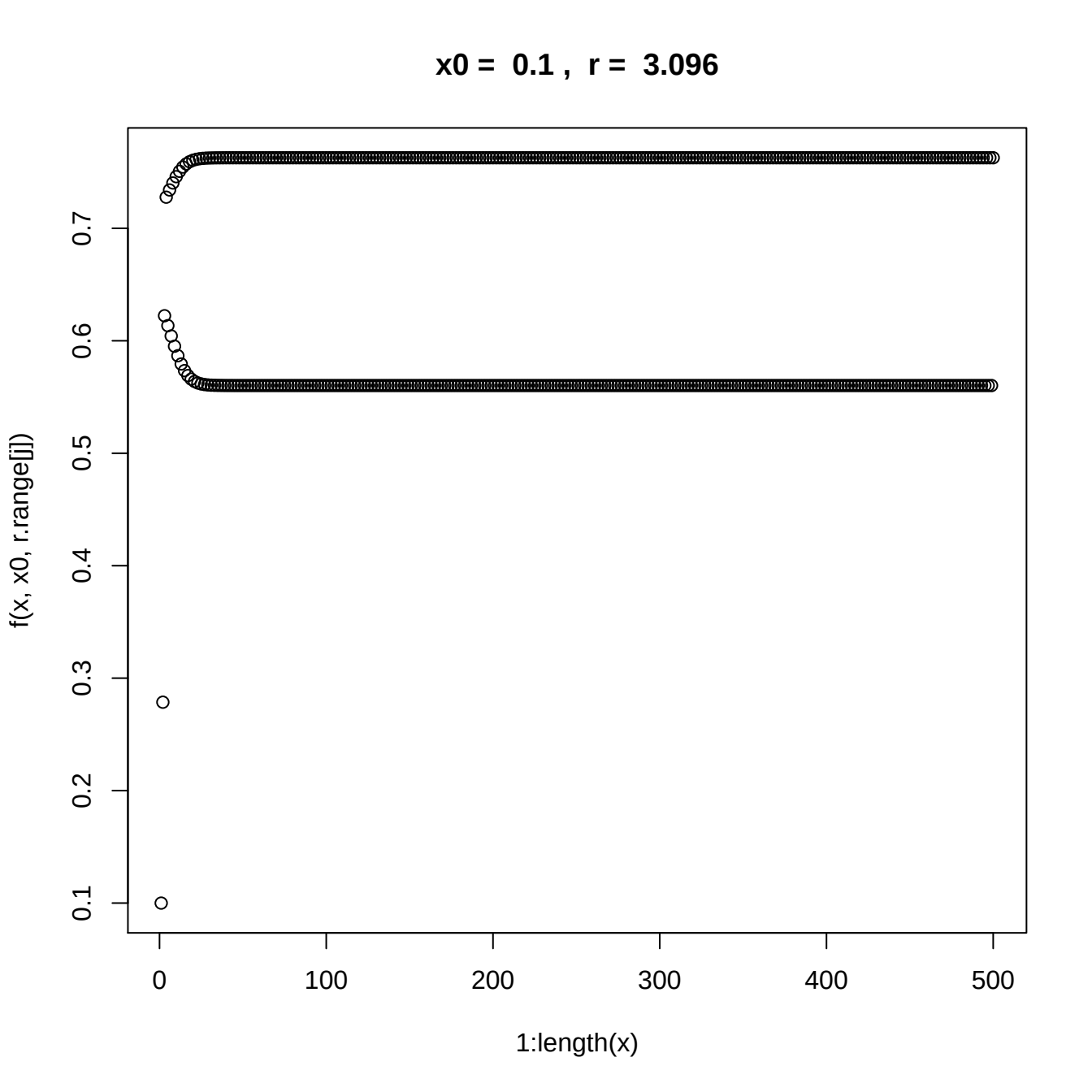

x0 = 0.1 , r = 3.086
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

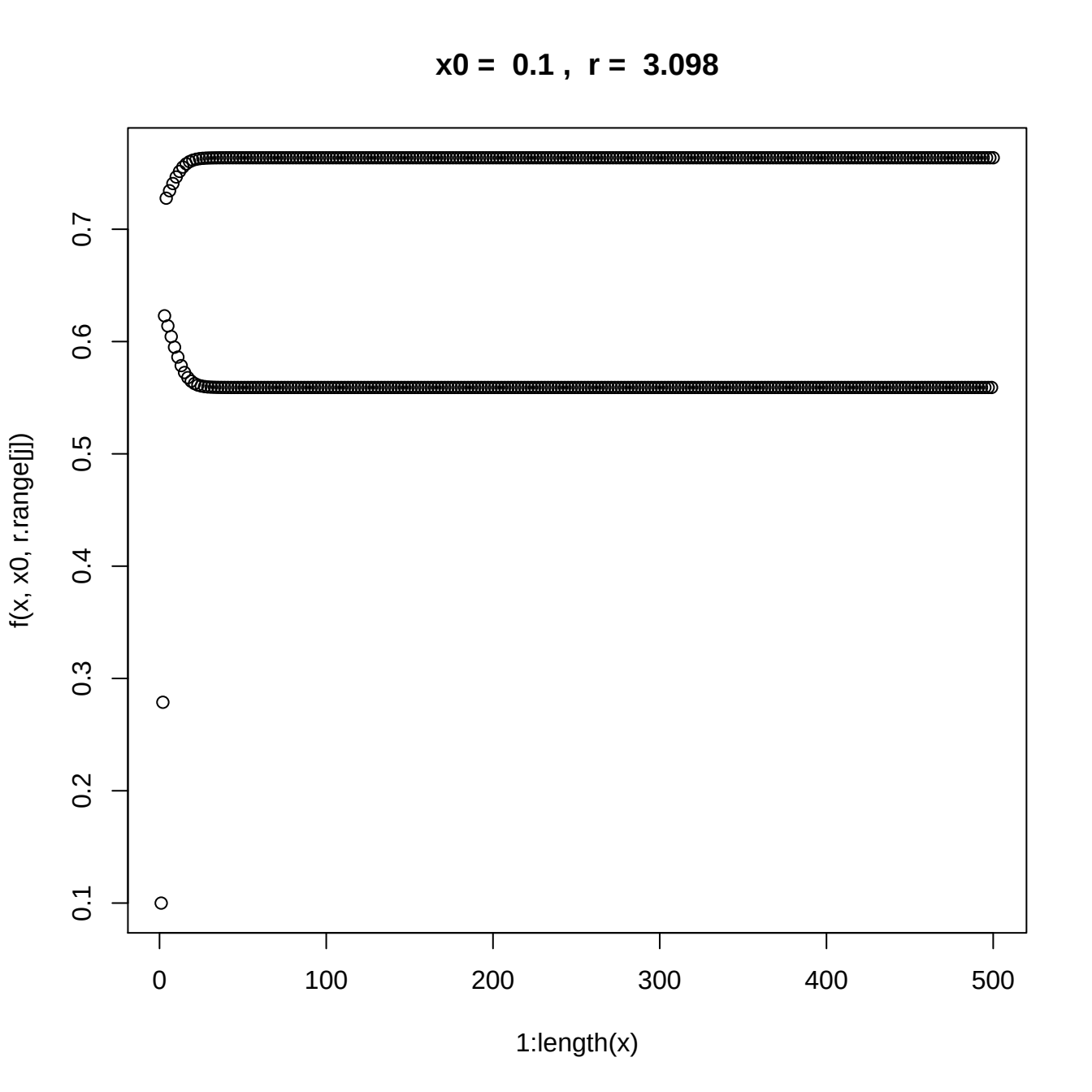

x0 = 0.1 , r = 3.088
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

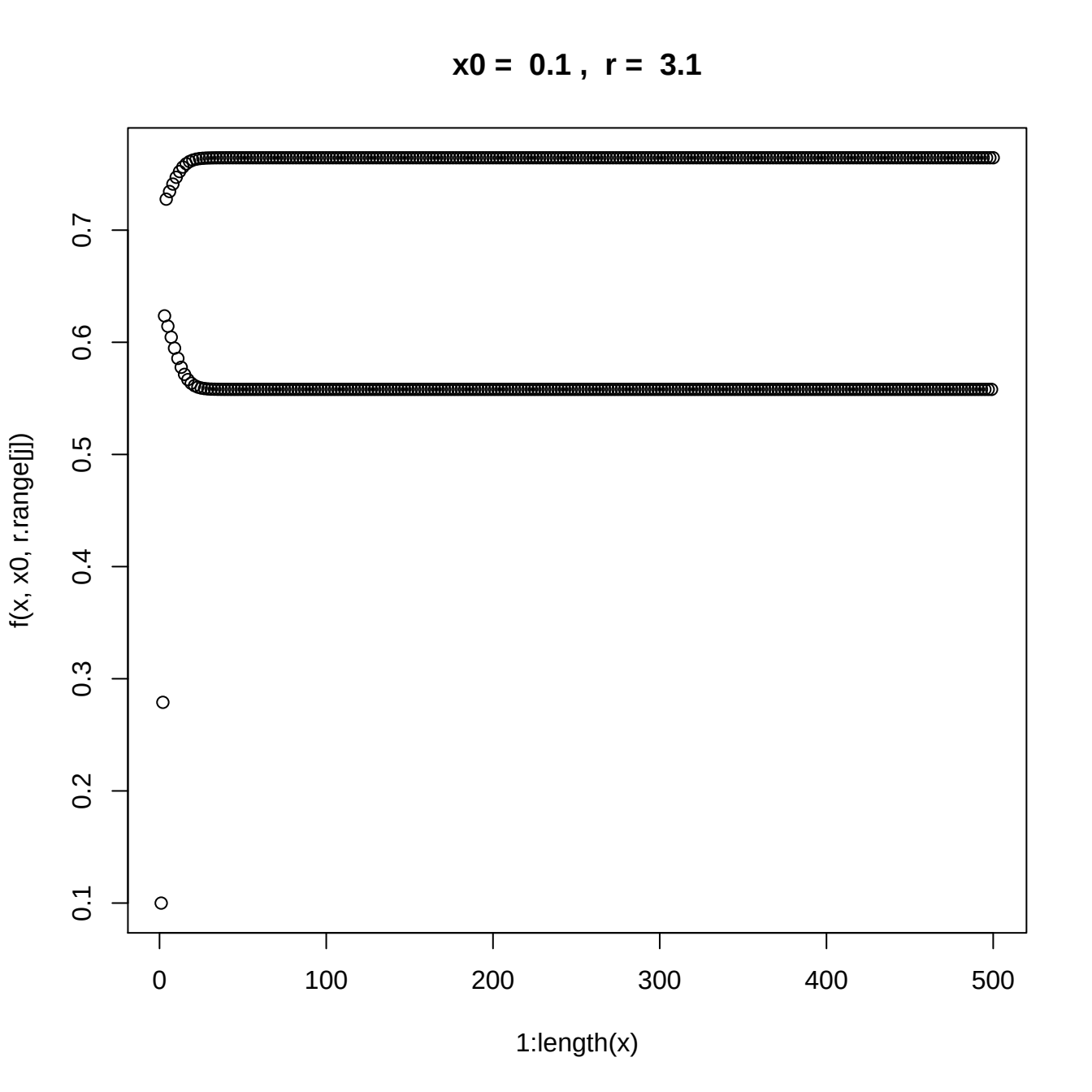

x0 = 0.1 , r = 3.09
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

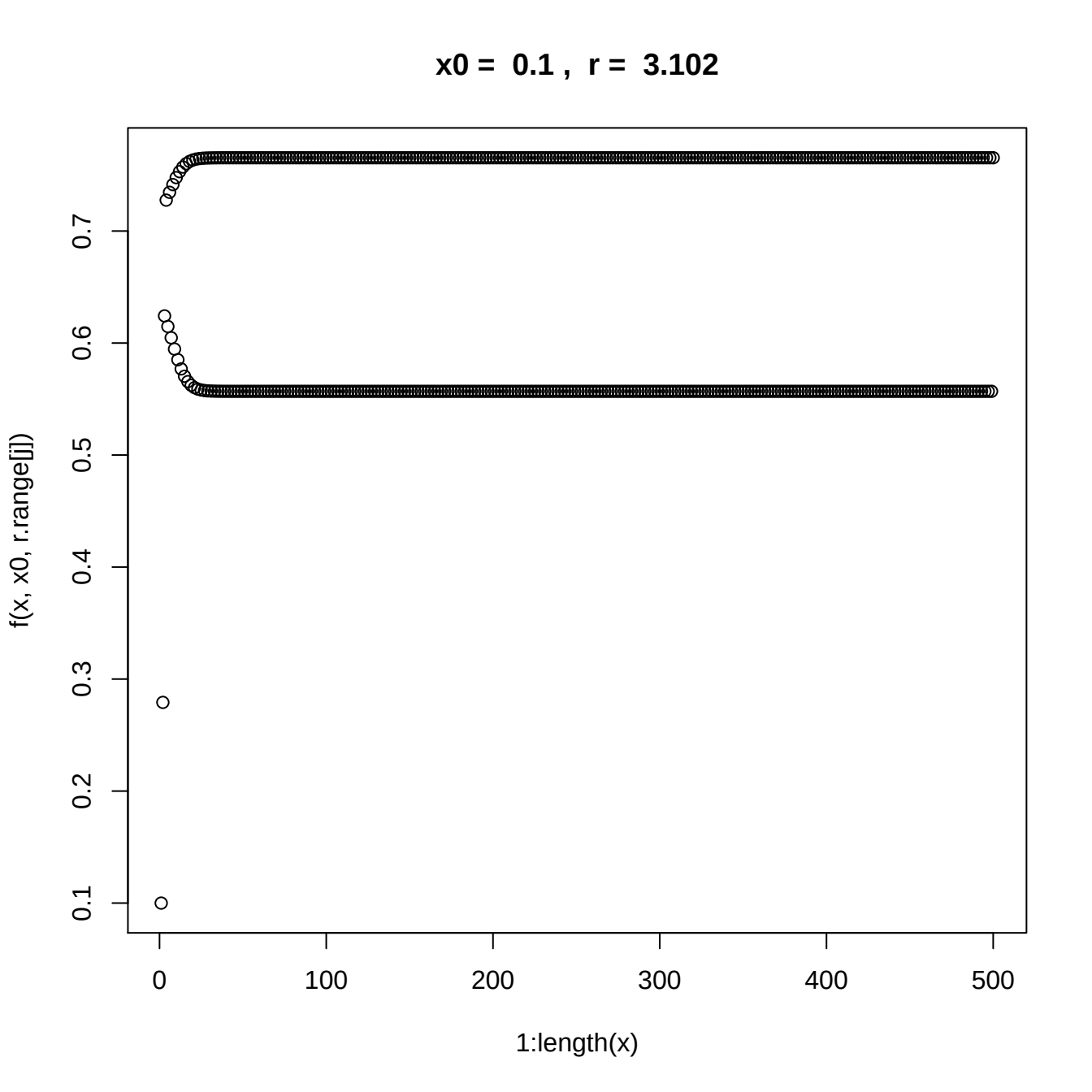

x0 = 0.1 , r = 3.092
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

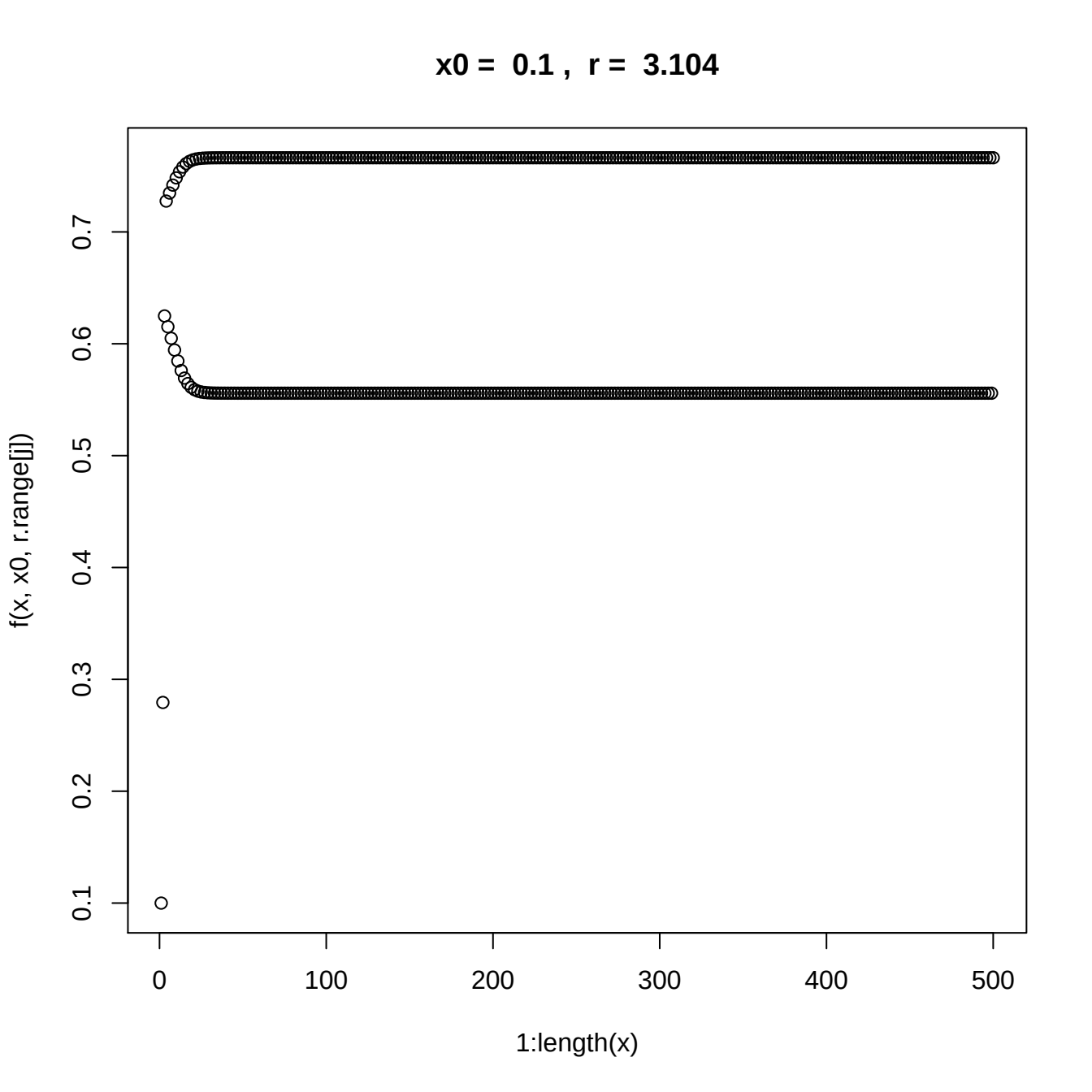

x0 = 0.1 , r = 3.094
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

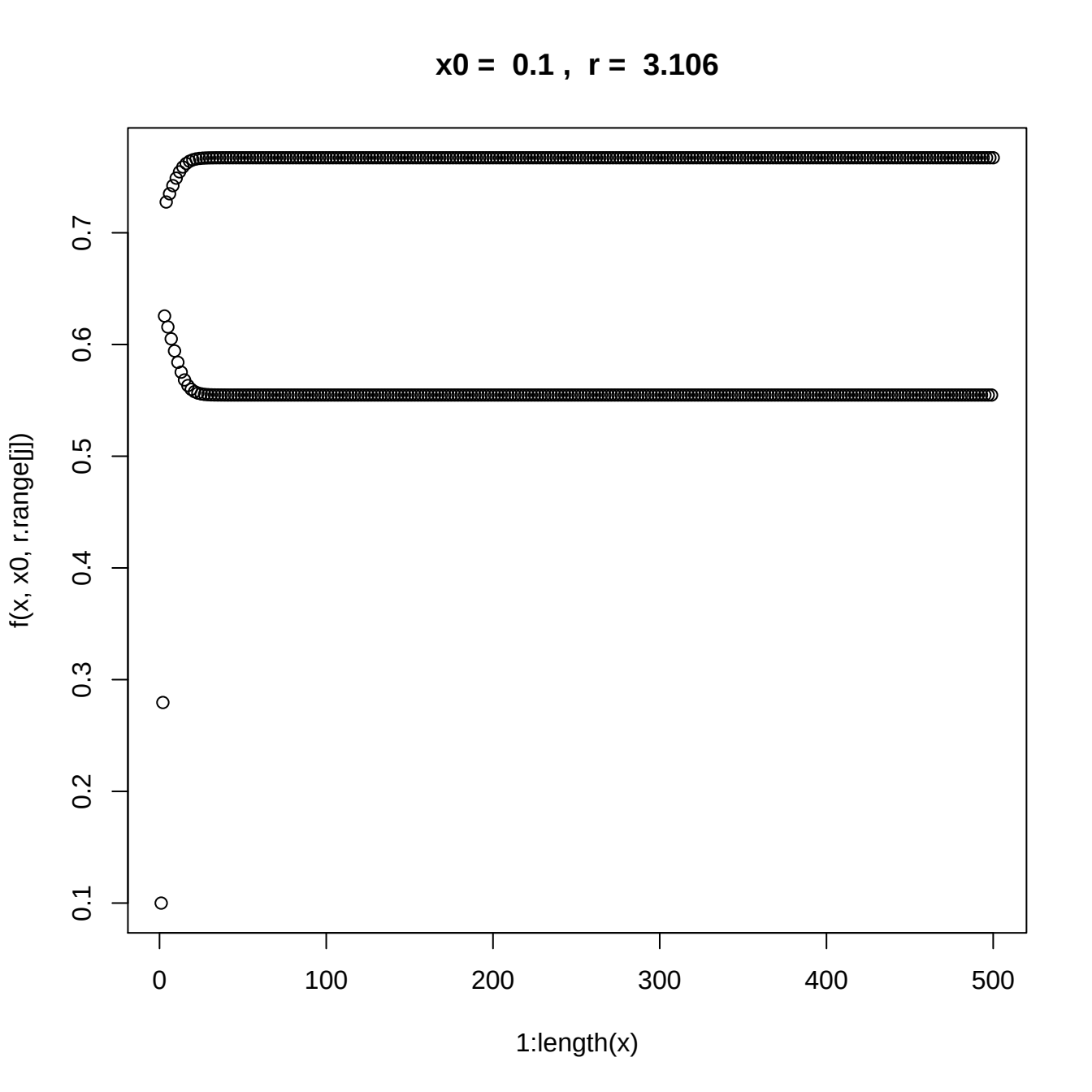

x0 = 0.1 , r = 3.096
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

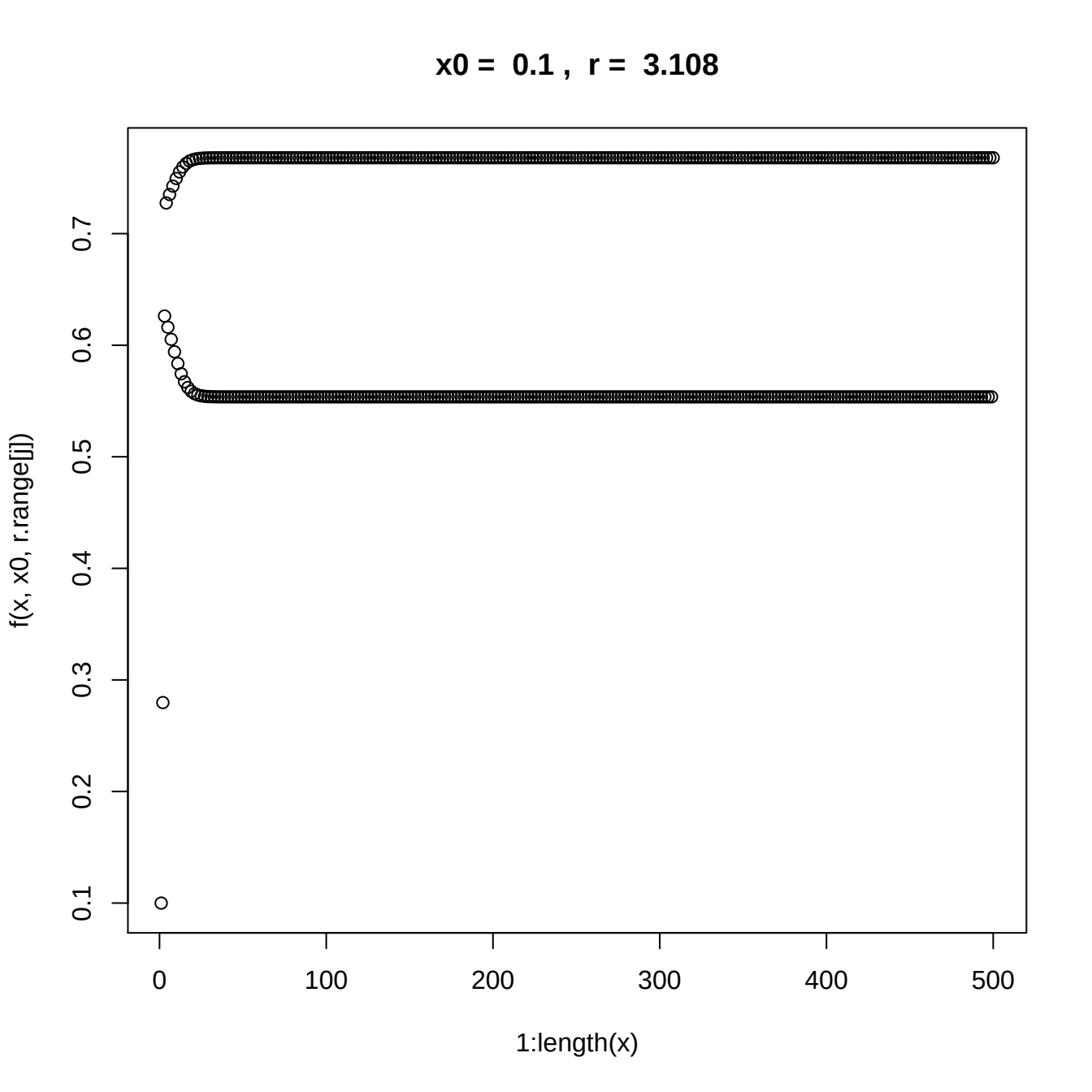

x0 = 0.1 , r = 3.098
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

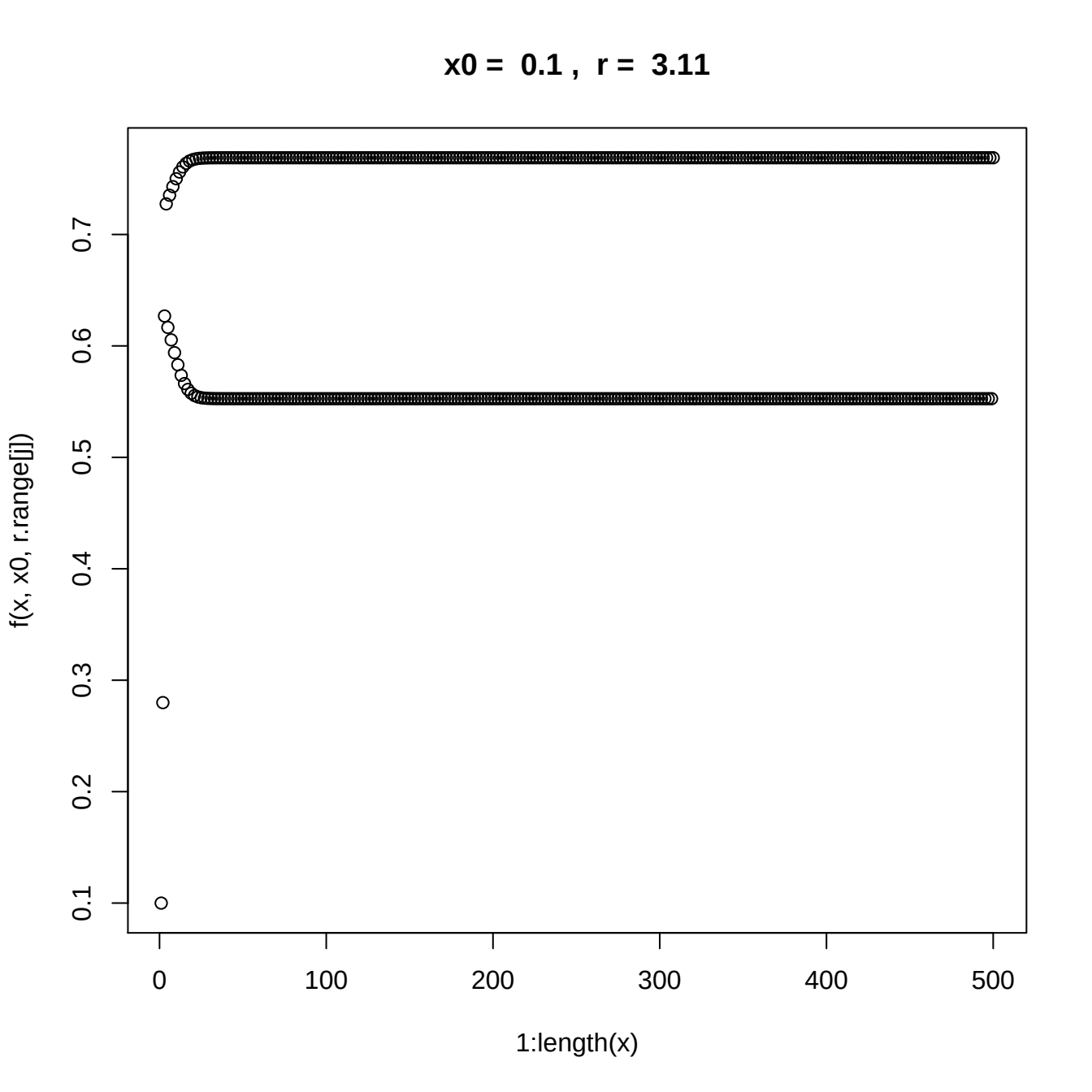

x0 = 0.1 , r = 3.1
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

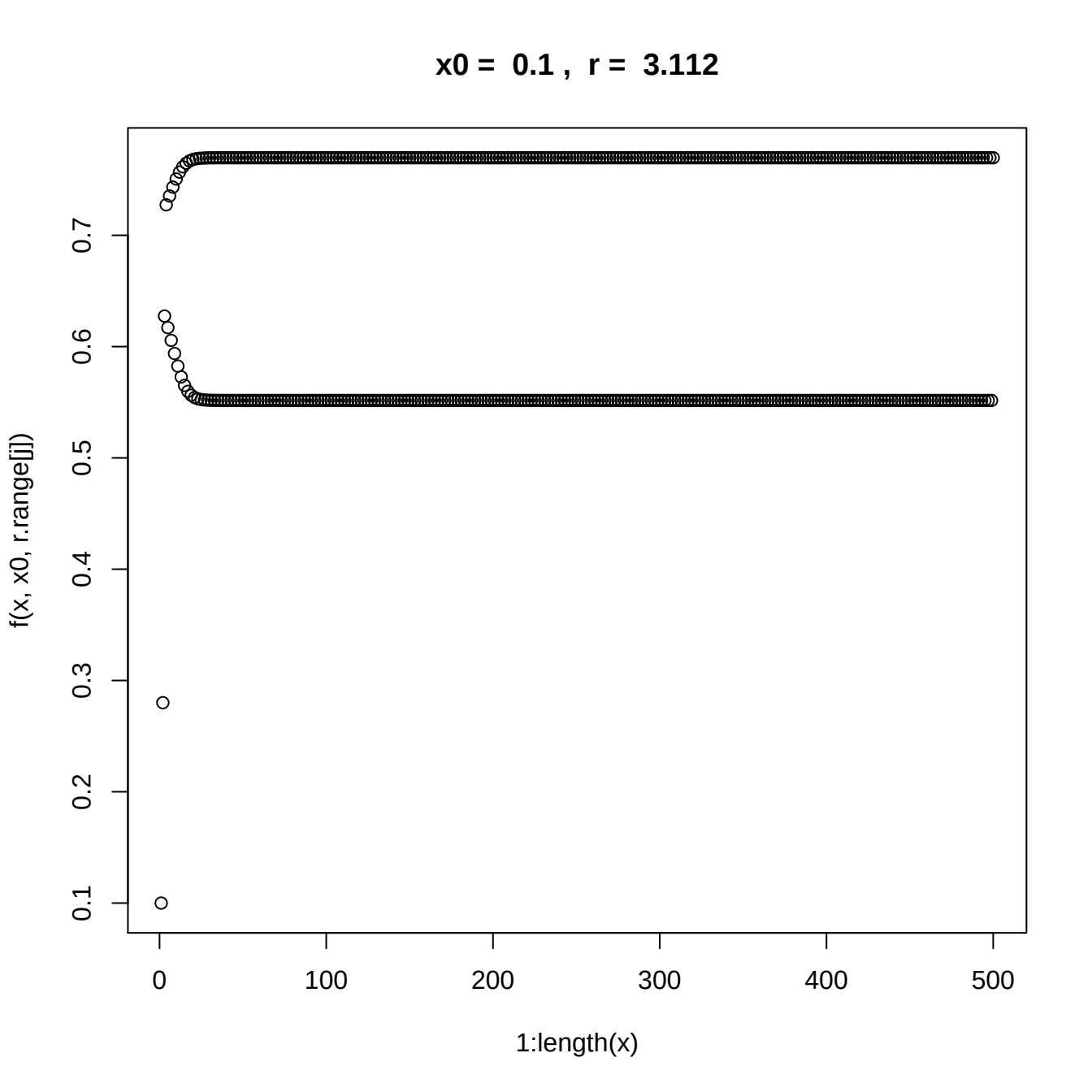

x0 = 0.1 , r = 3.102
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

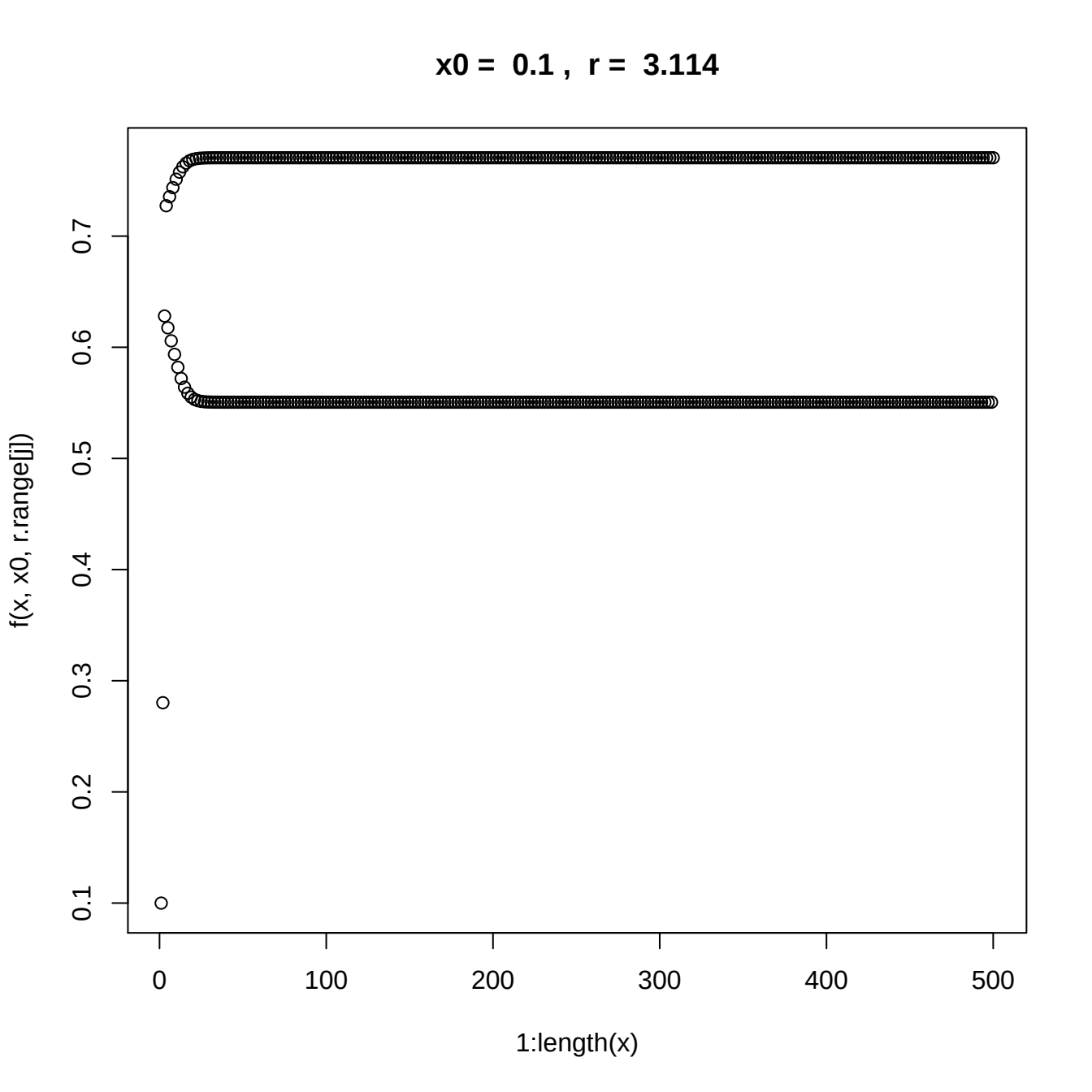

x0 = 0.1 , r = 3.104
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

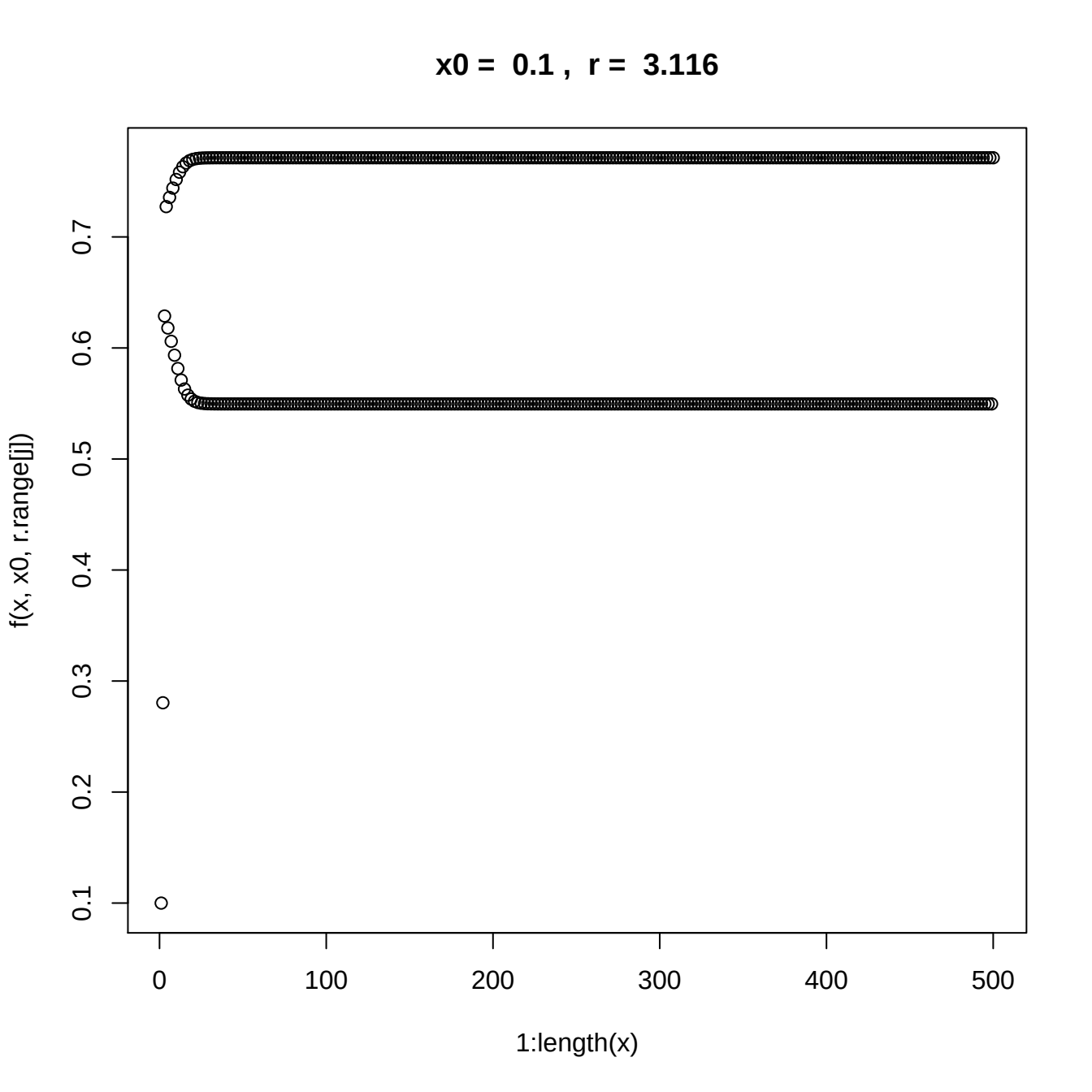

x0 = 0.1 , r = 3.106
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

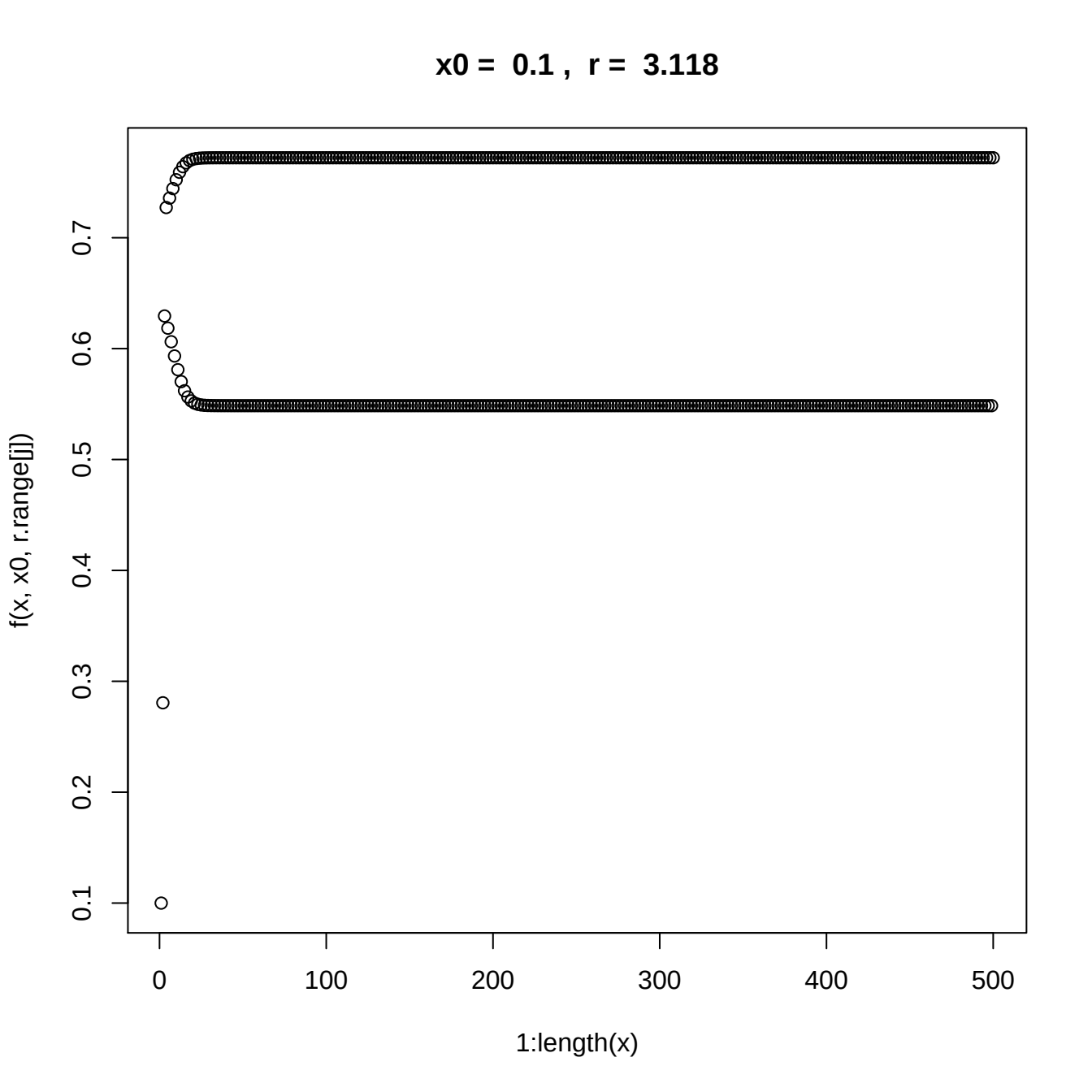

x0 = 0.1 , r = 3.108
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

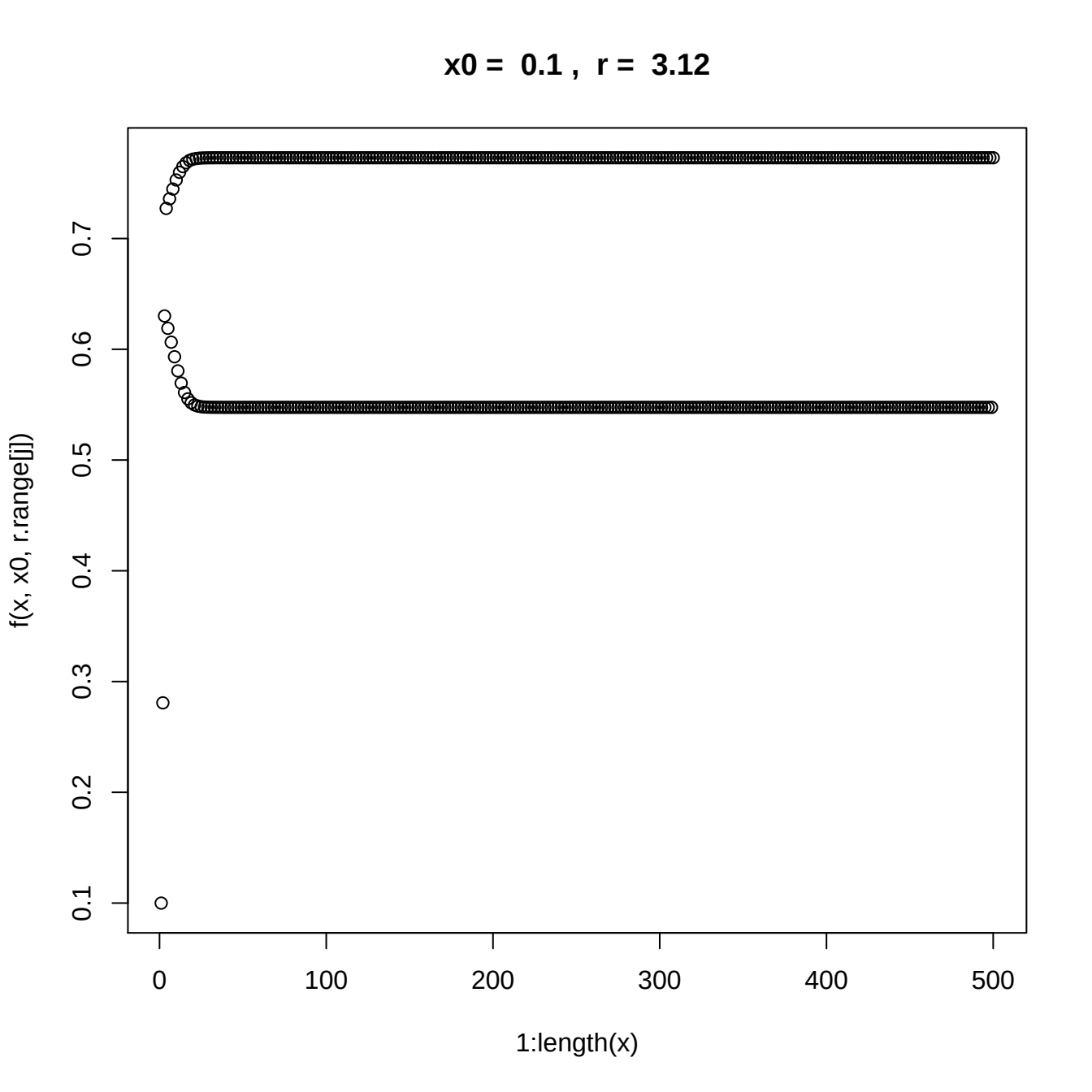

x0 = 0.1 , r = 3.11
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

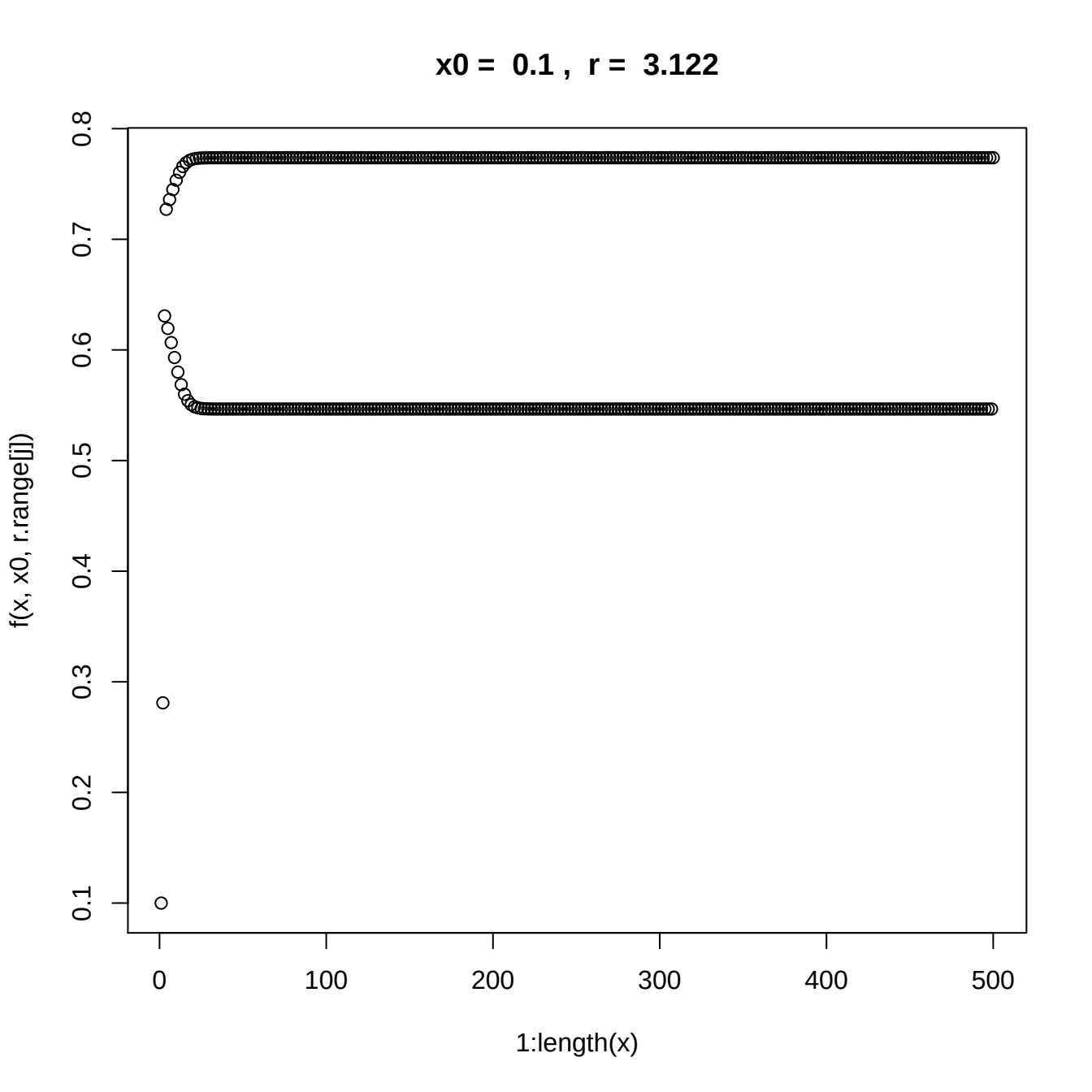

x0 = 0.1 , r = 3.112
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

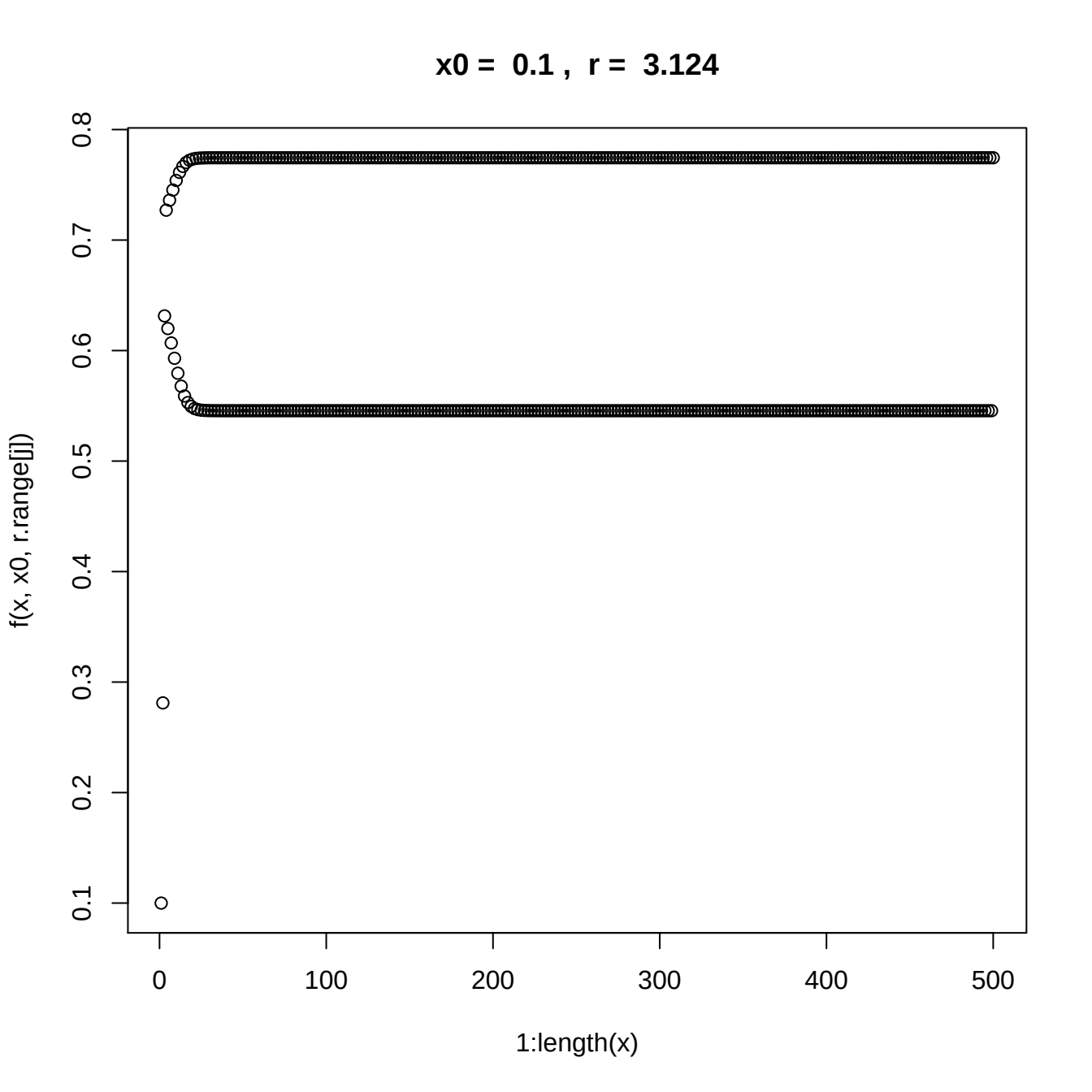

x0 = 0.1 , r = 3.114
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

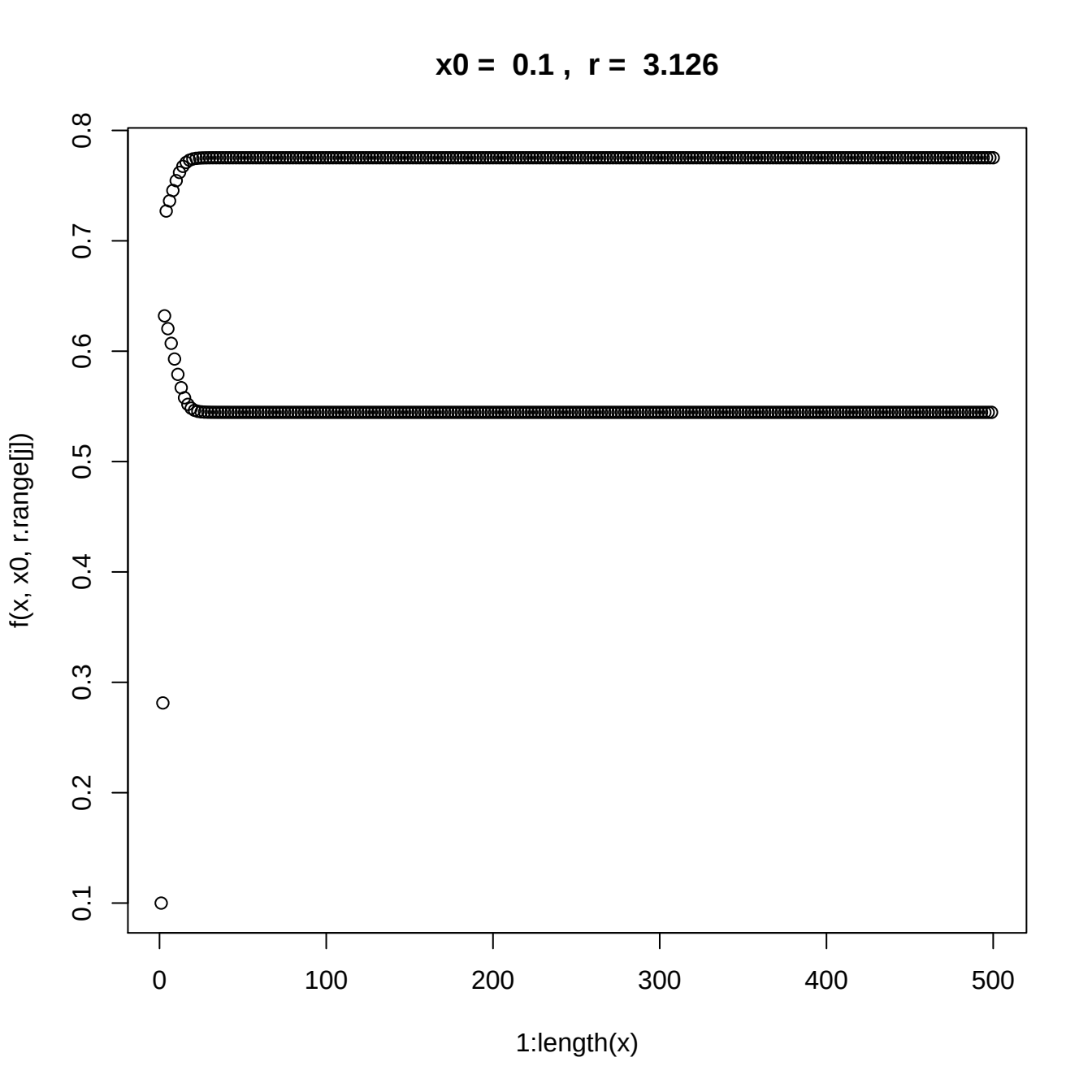

x0 = 0.1 , r = 3.116
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

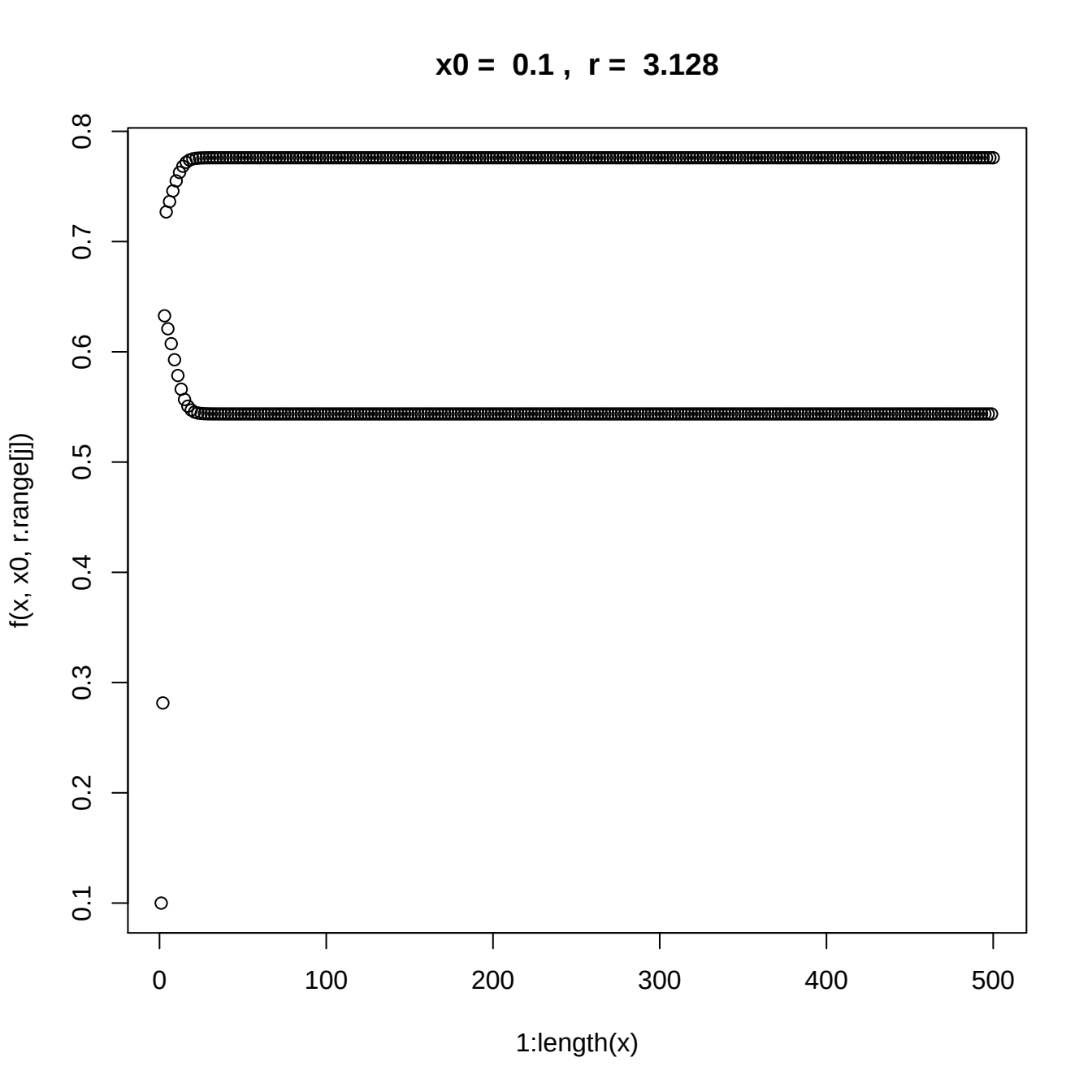

x0 = 0.1 , r = 3.118
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

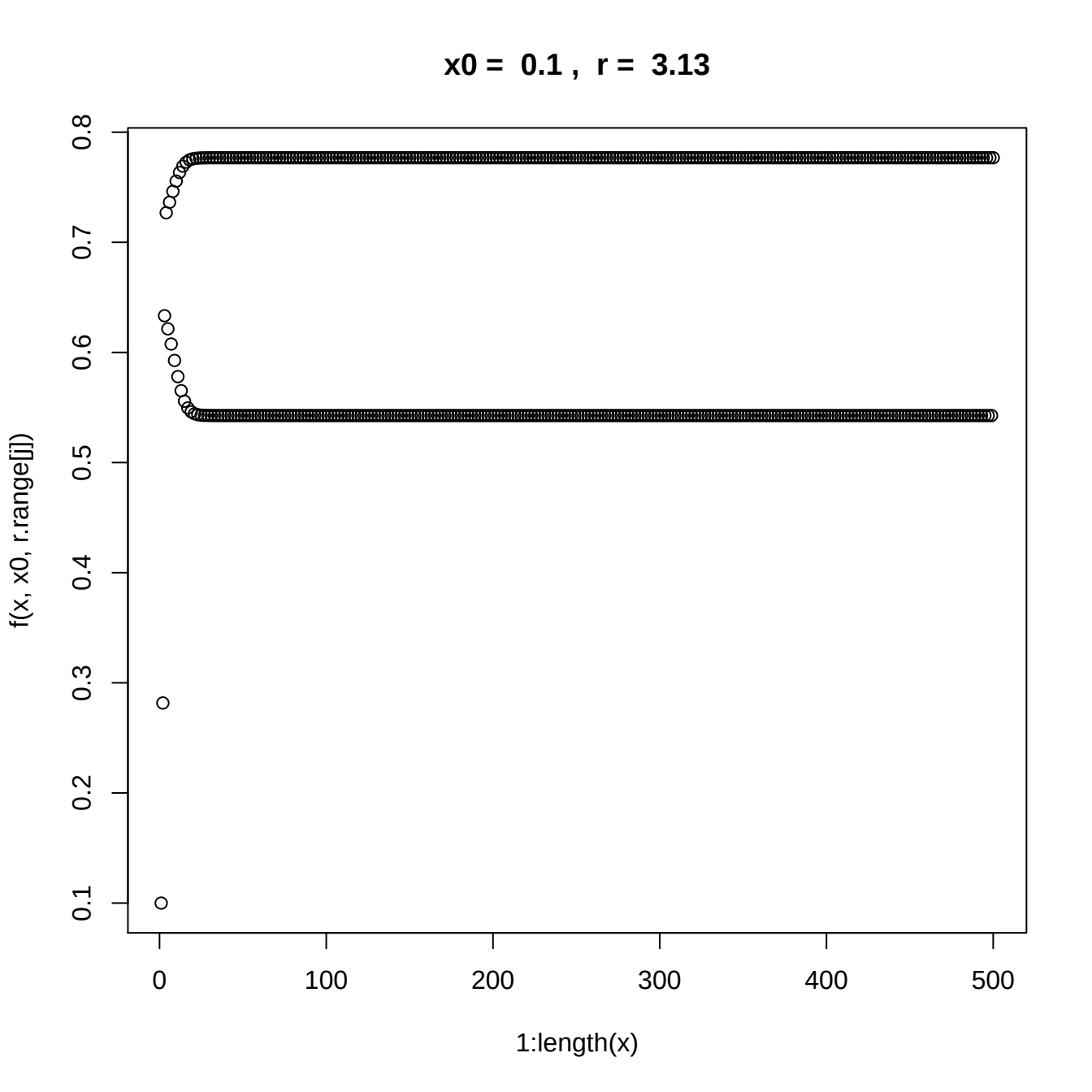

x0 = 0.1 , r = 3.12
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400
500
1:length(x)

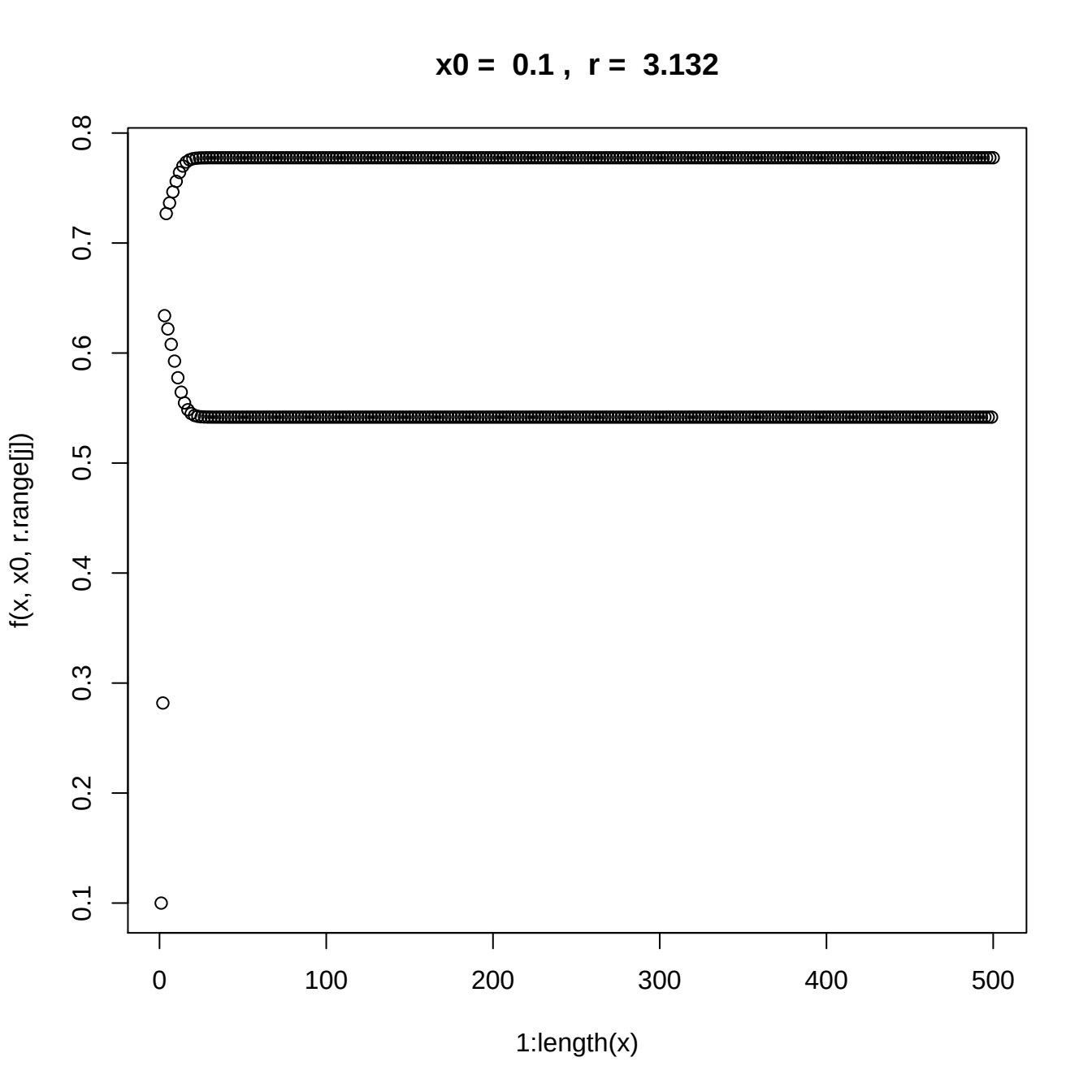

x0 = 0.1 , r = 3.122
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

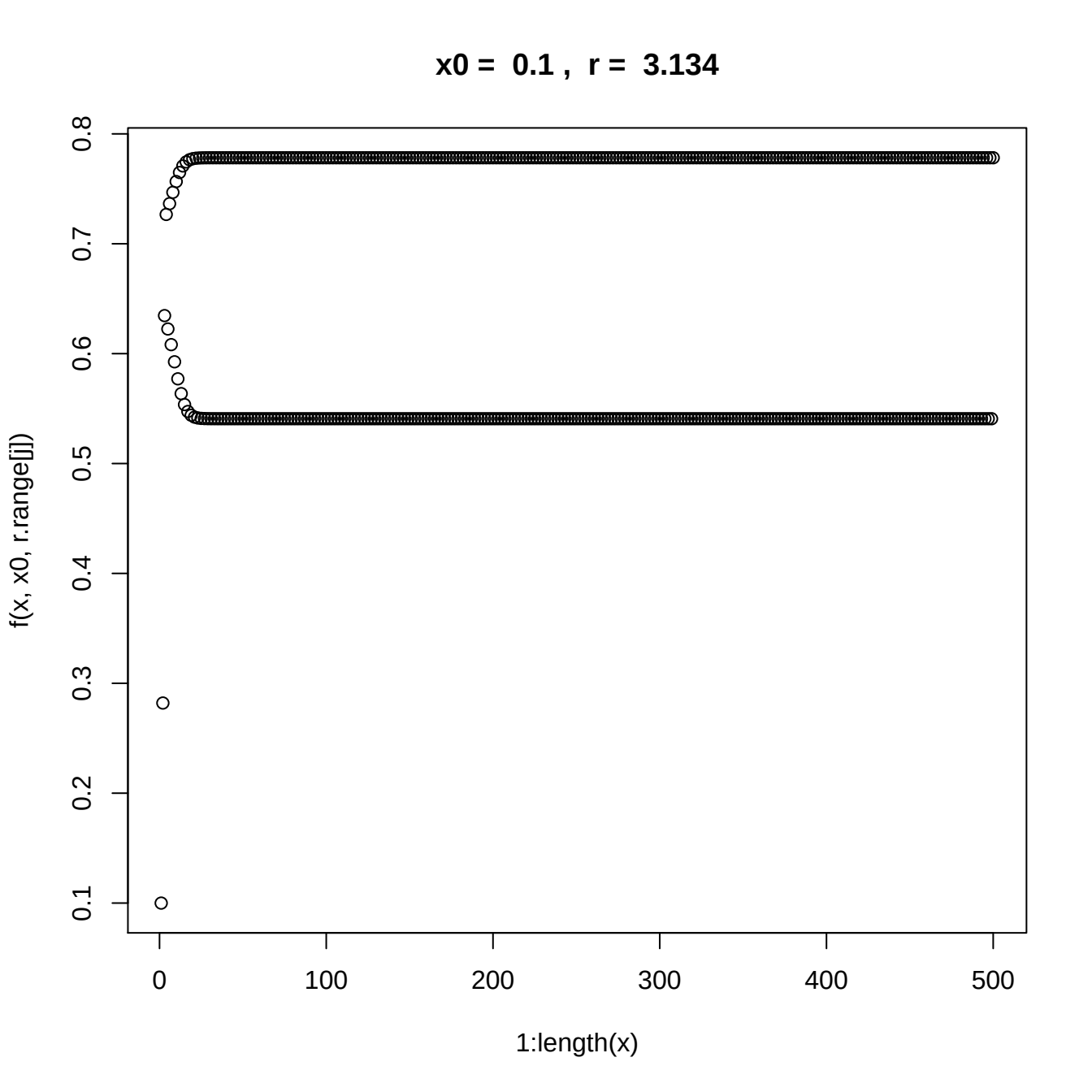

x0 = 0.1 , r = 3.124
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

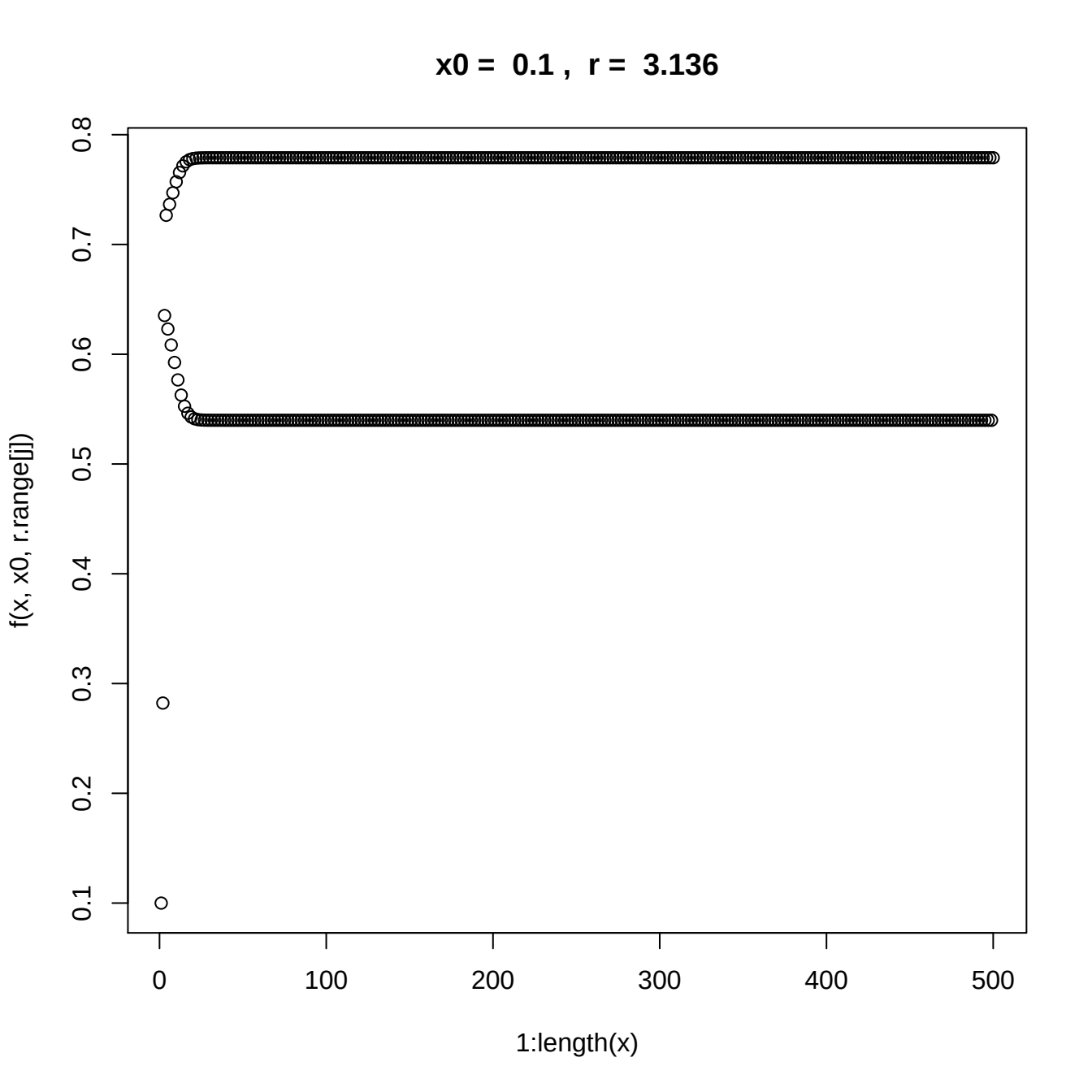

x0 = 0.1 , r = 3.126
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

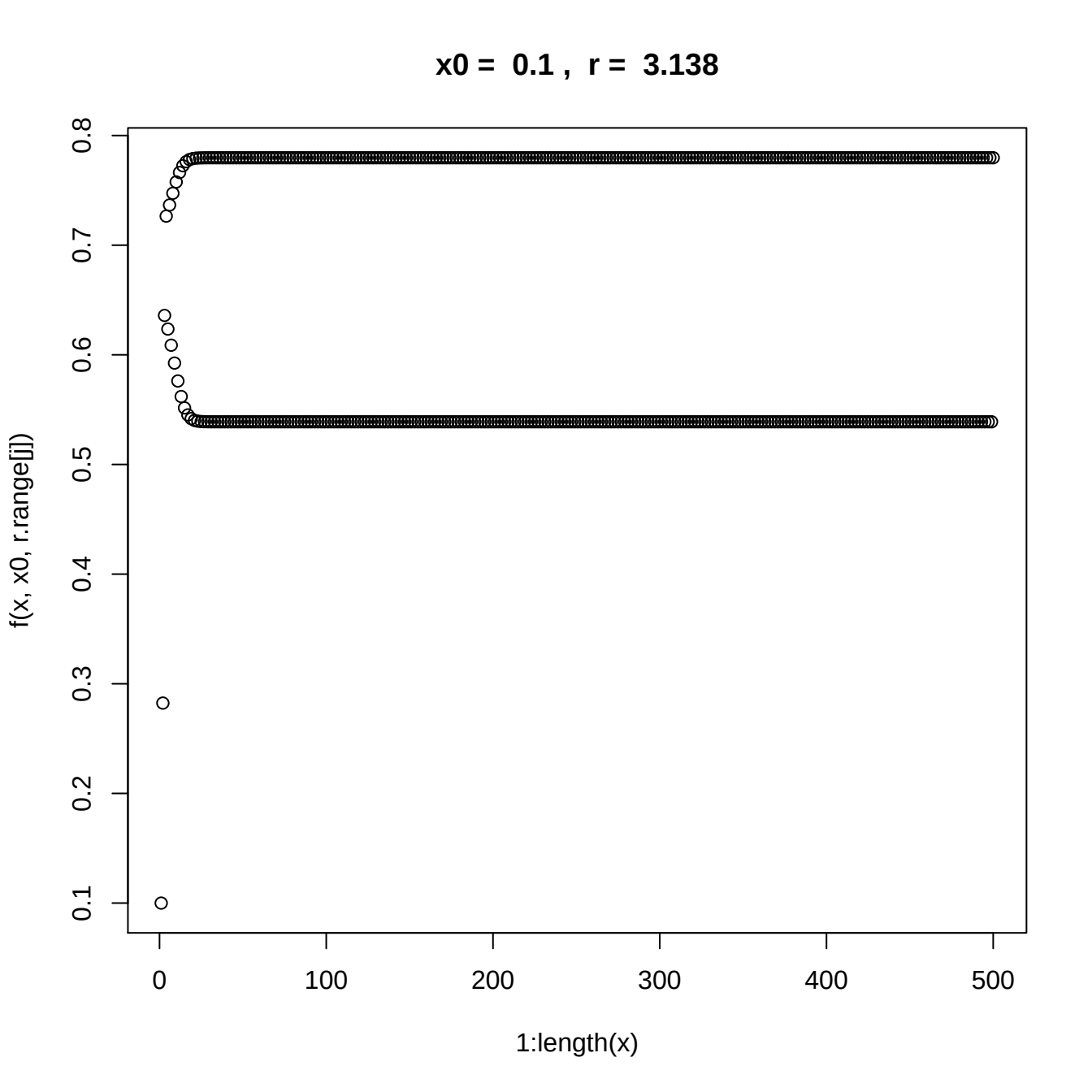

x0 = 0.1 , r = 3.128
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

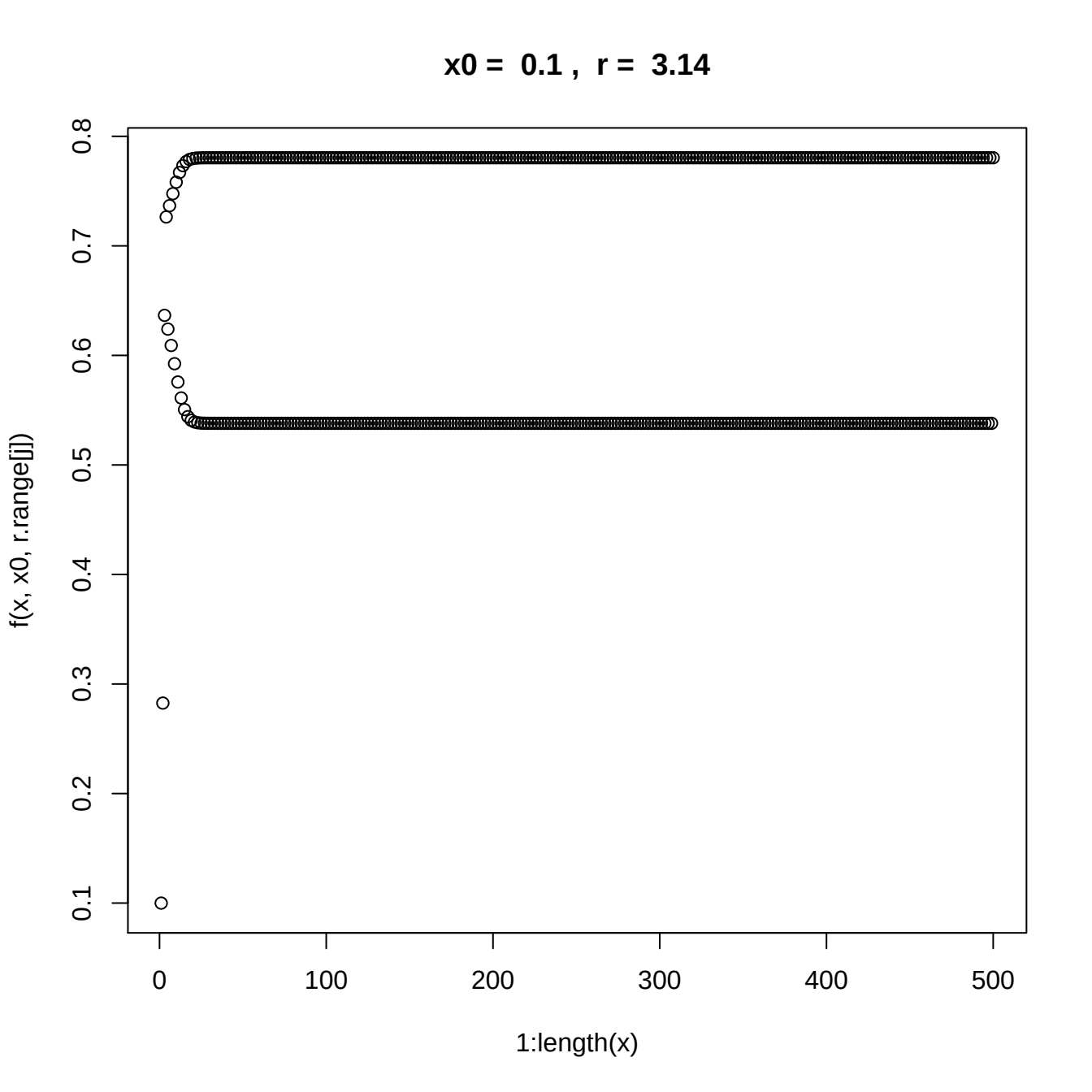

x0 = 0.1 , r = 3.13
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

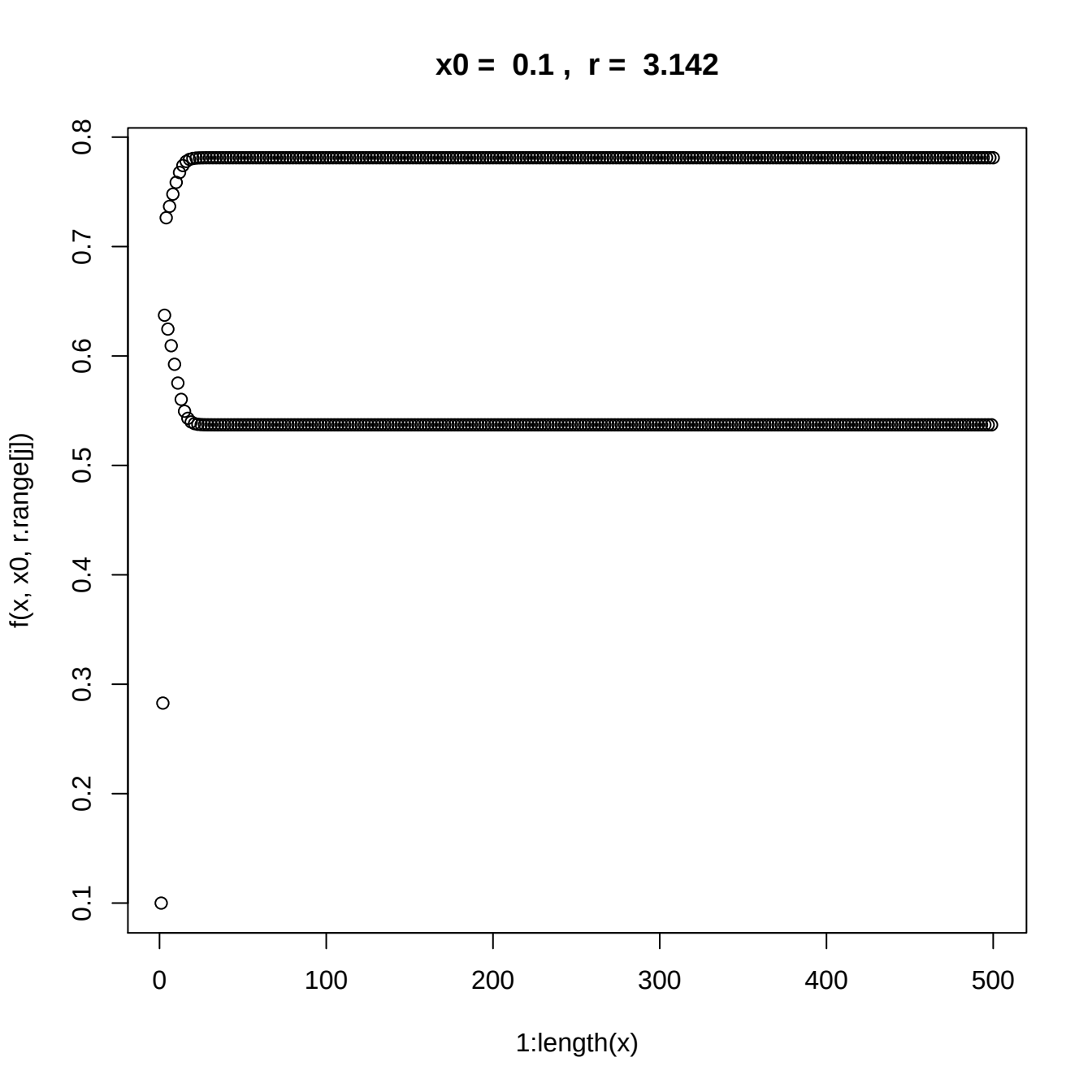

x0 = 0.1 , r = 3.132
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

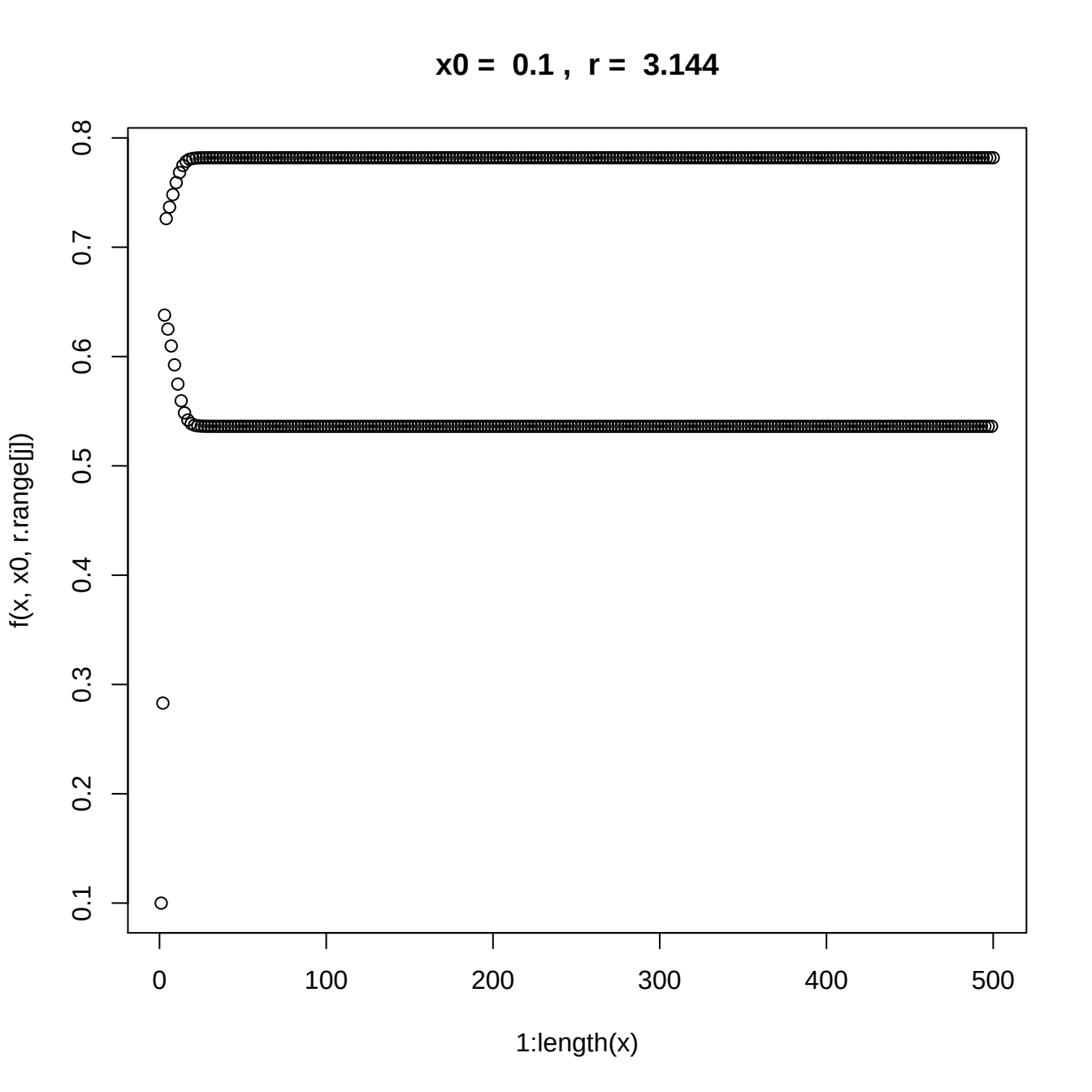

x0 = 0.1 , r = 3.134
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

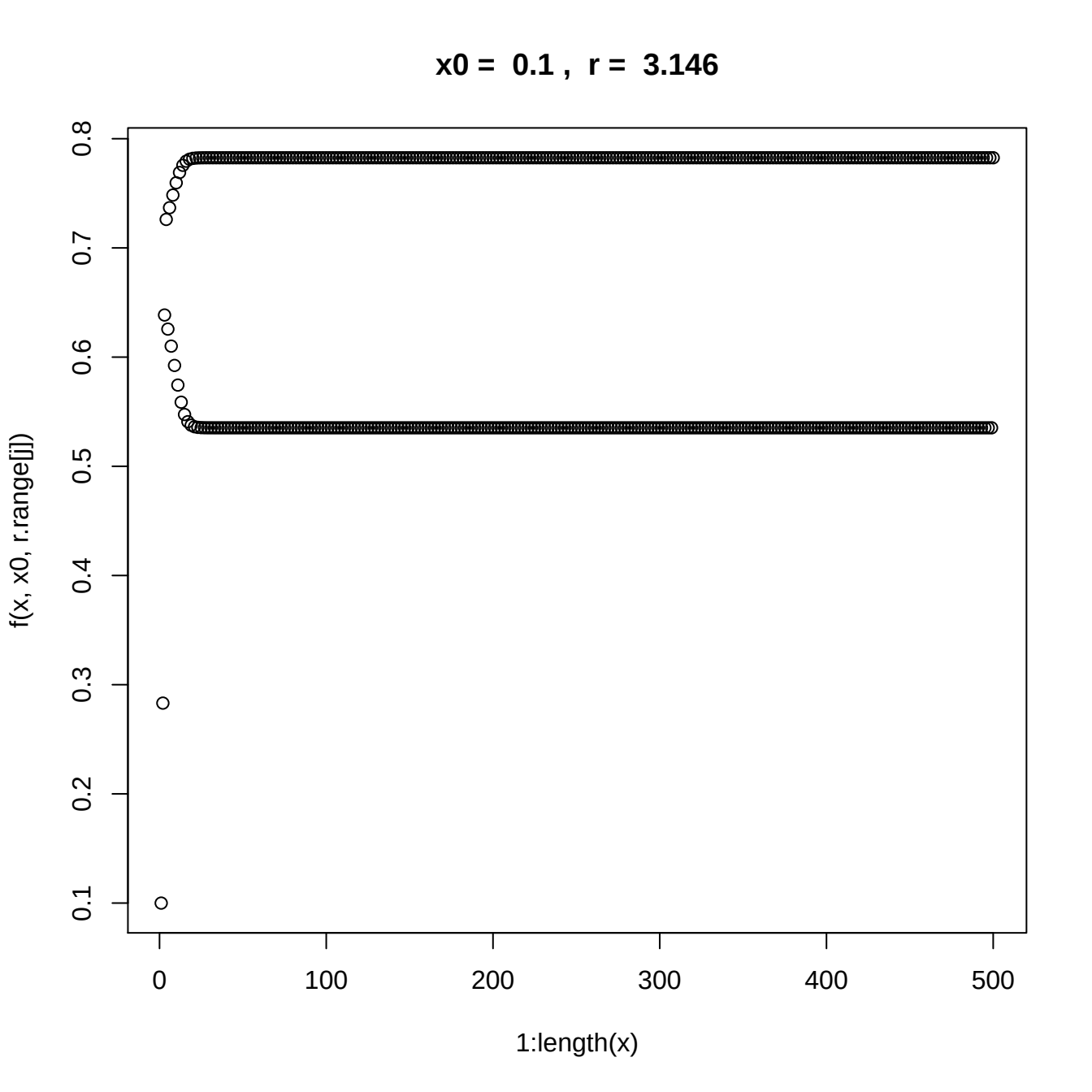

x0 = 0.1 , r = 3.136
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

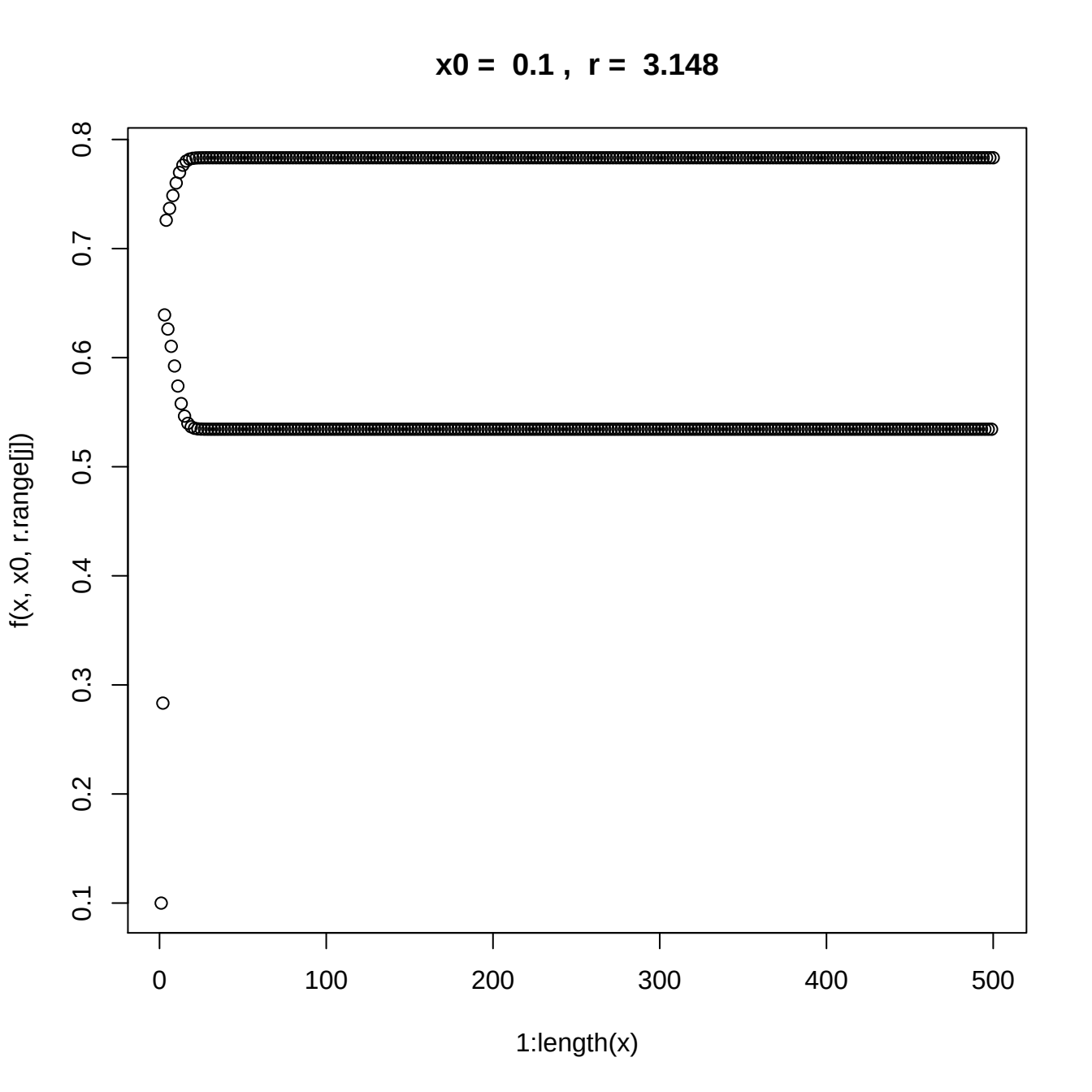

x0 = 0.1 , r = 3.138
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

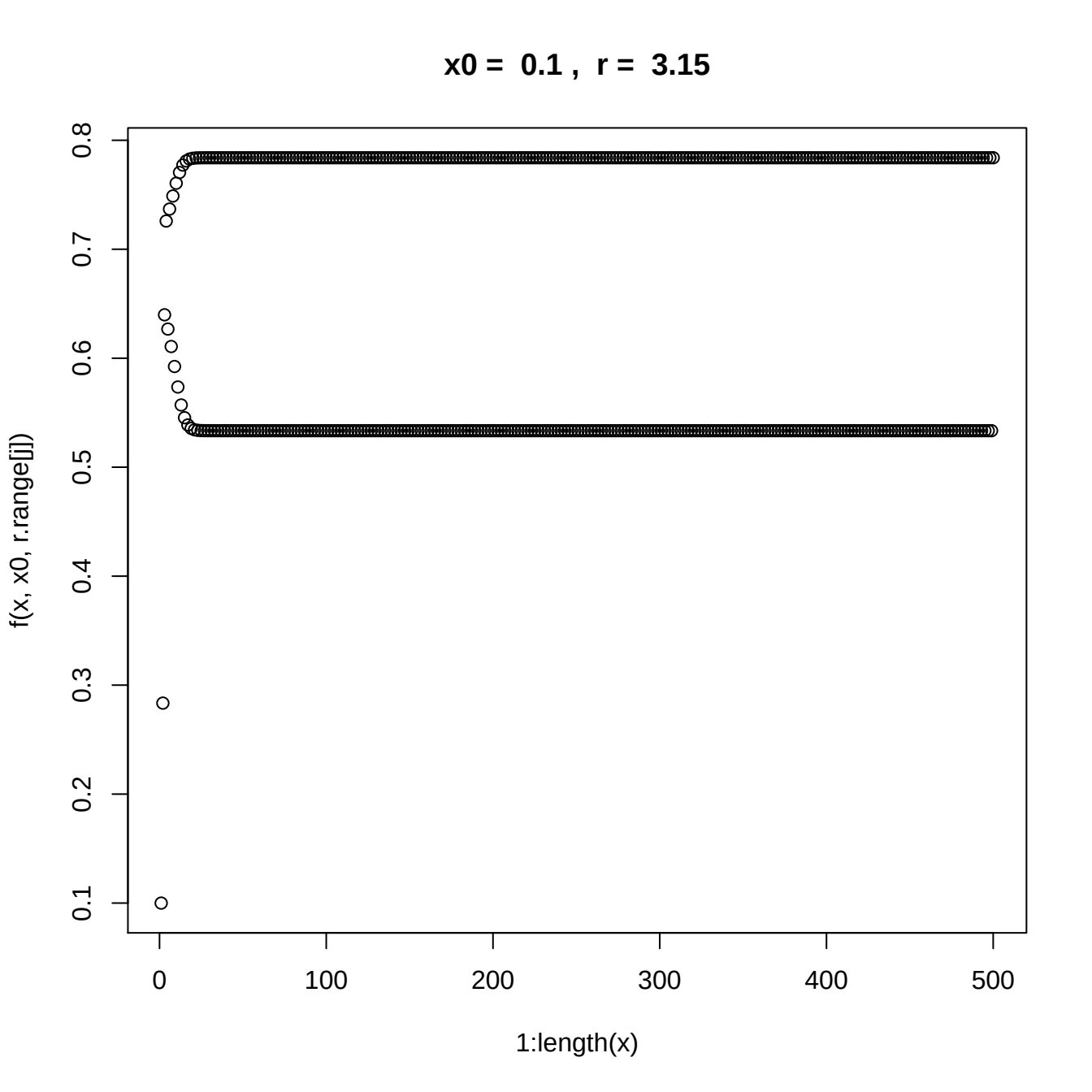

x0 = 0.1 , r = 3.14
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

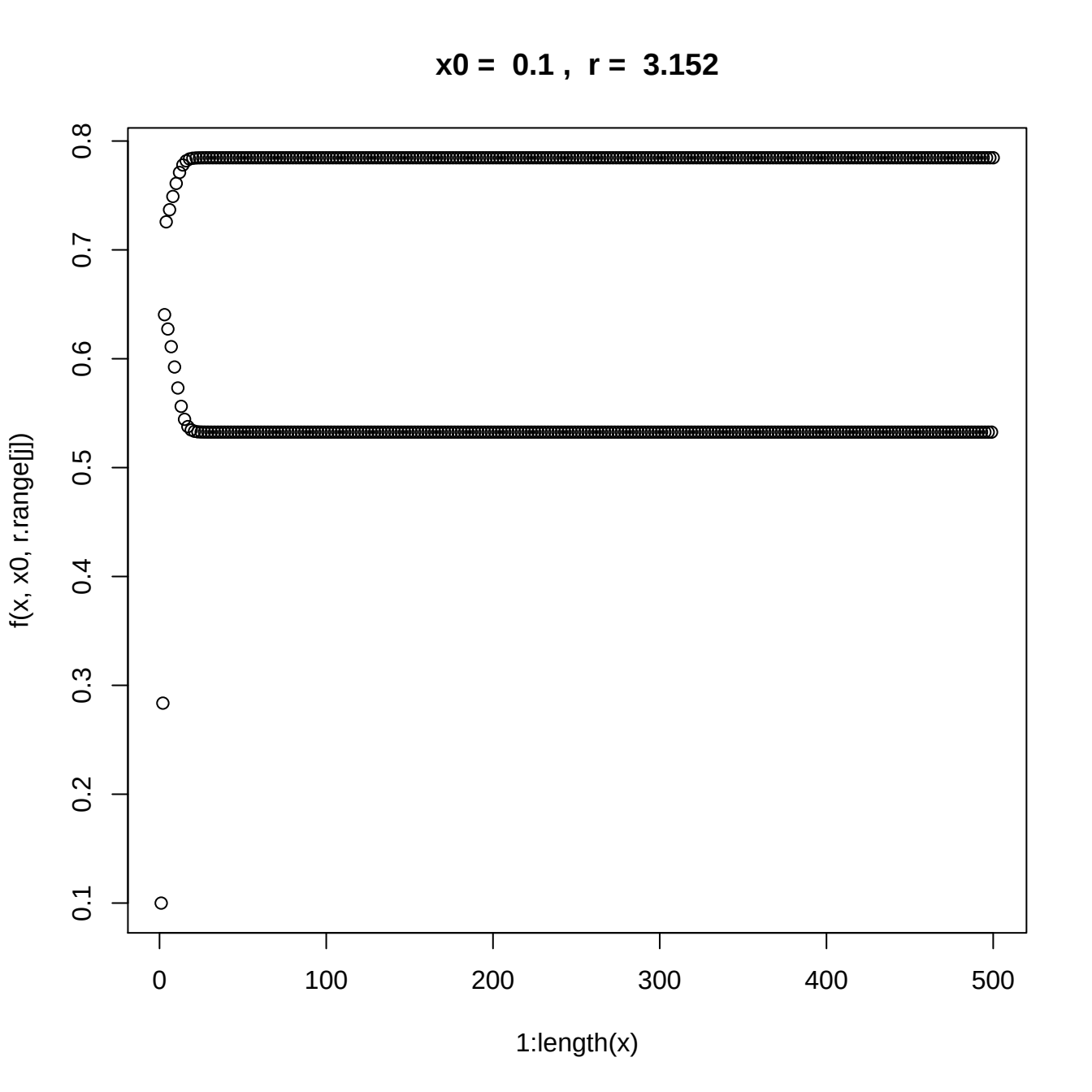

x0 = 0.1 , r = 3.142
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

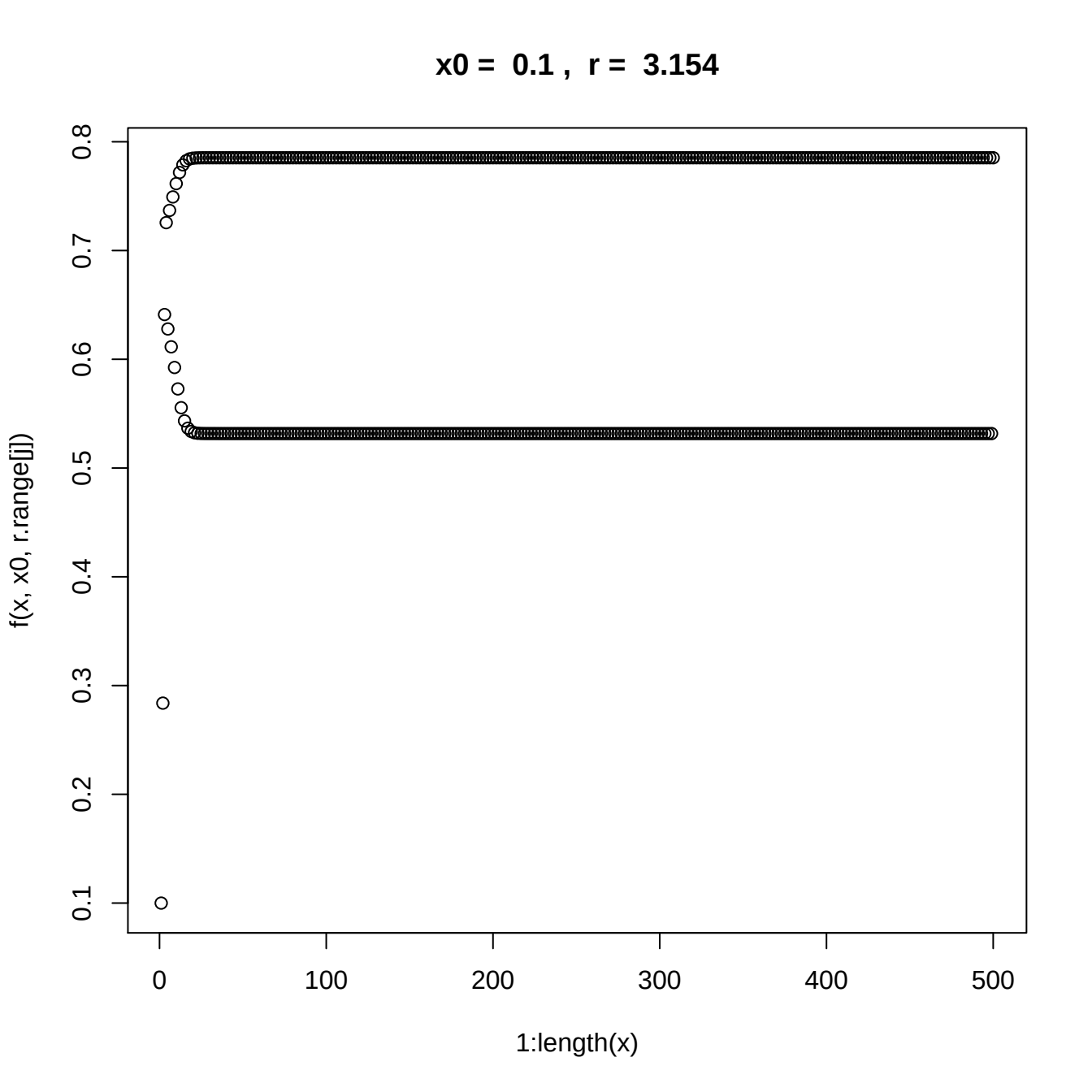

x0 = 0.1 , r = 3.144
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

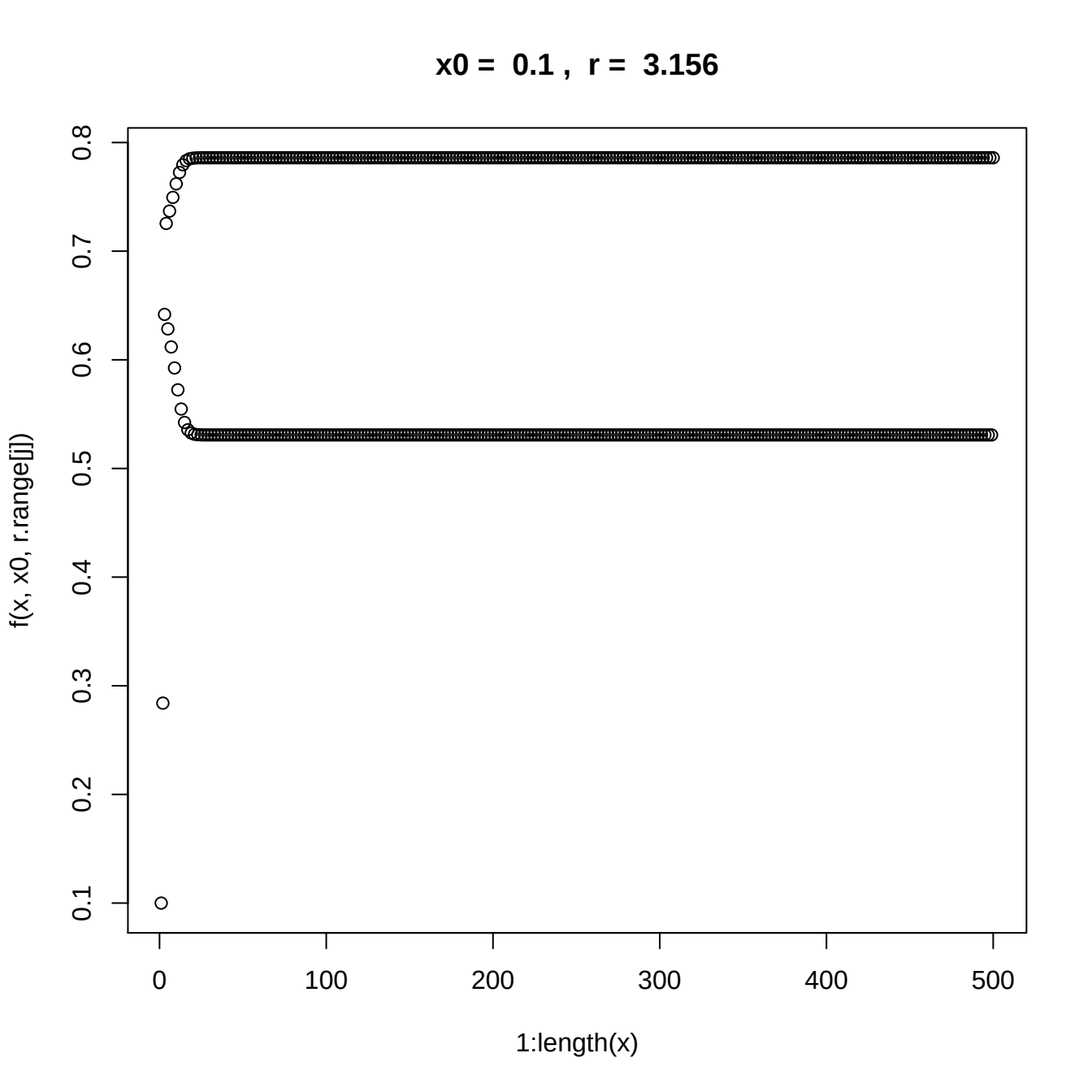

x0 = 0.1 , r = 3.146
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

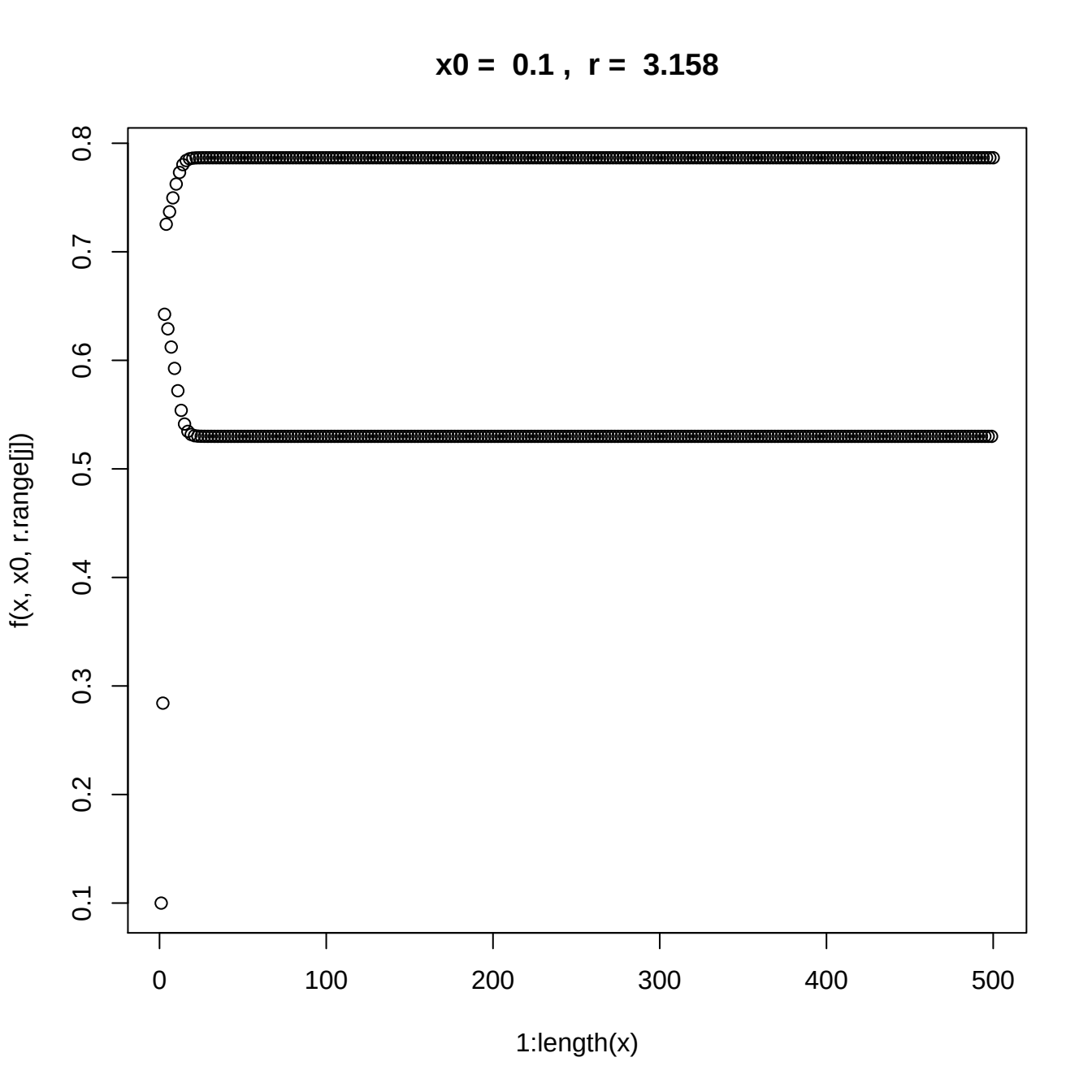

x0 = 0.1 , r = 3.148
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

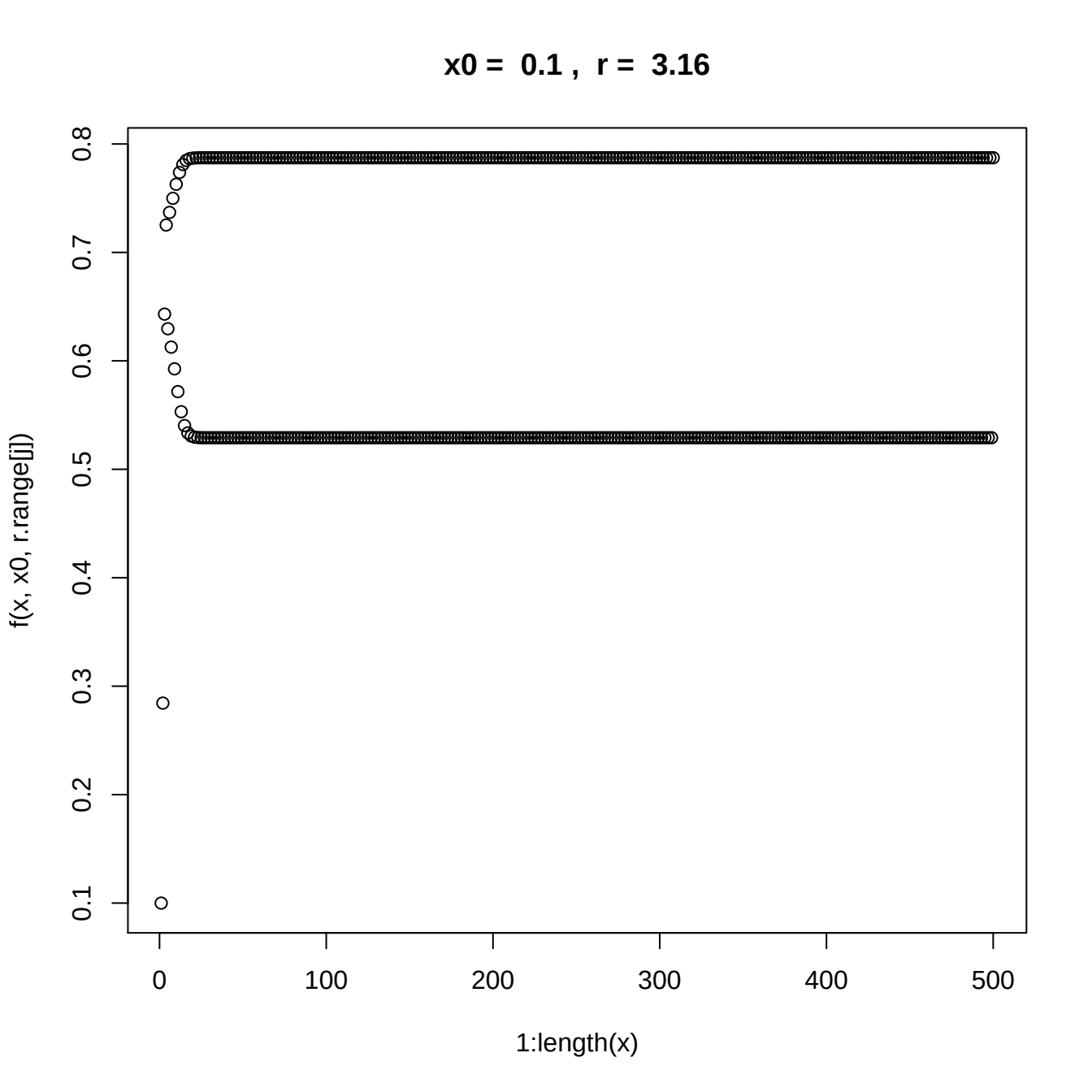

x0 = 0.1 , r = 3.15
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

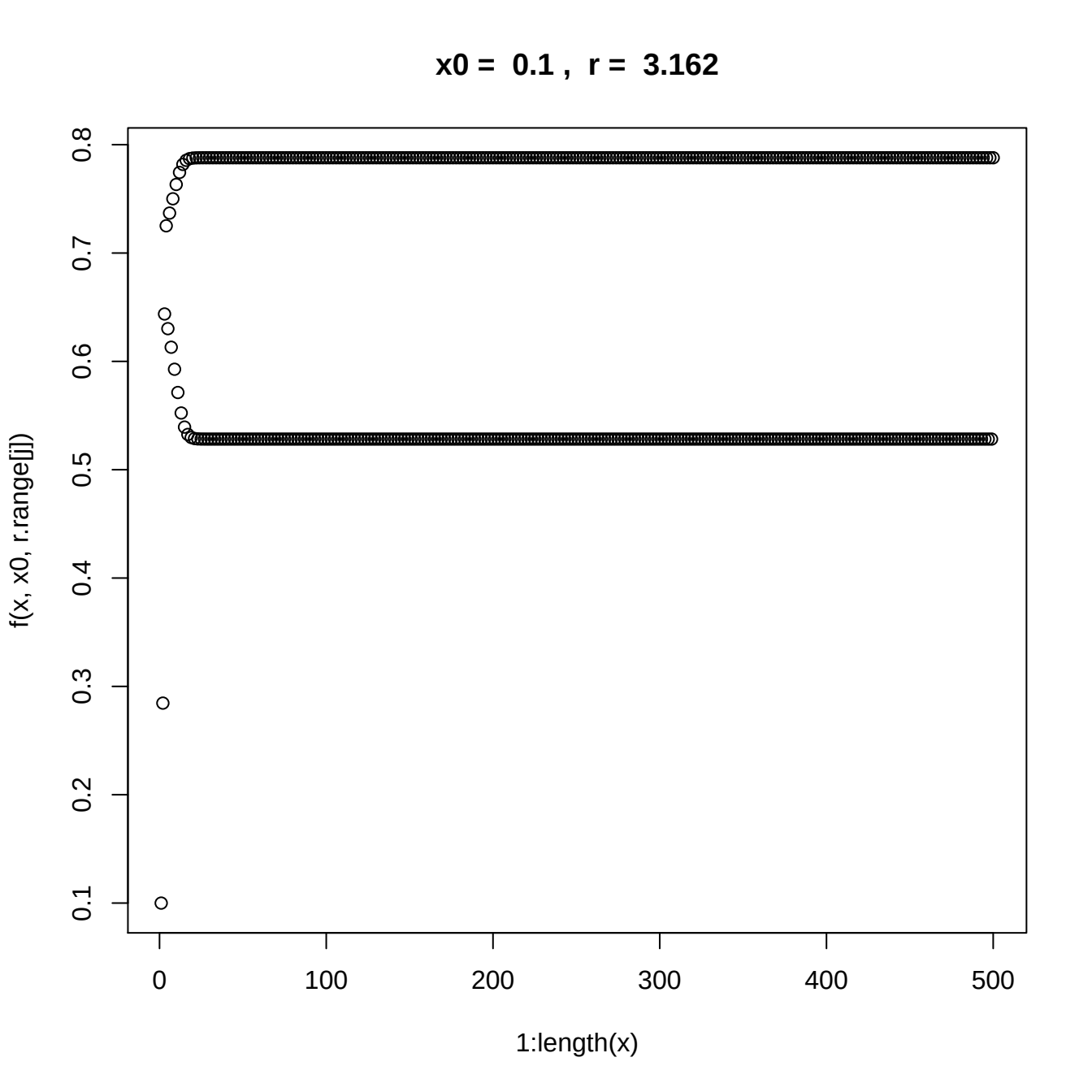

x0 = 0.1 , r = 3.152
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

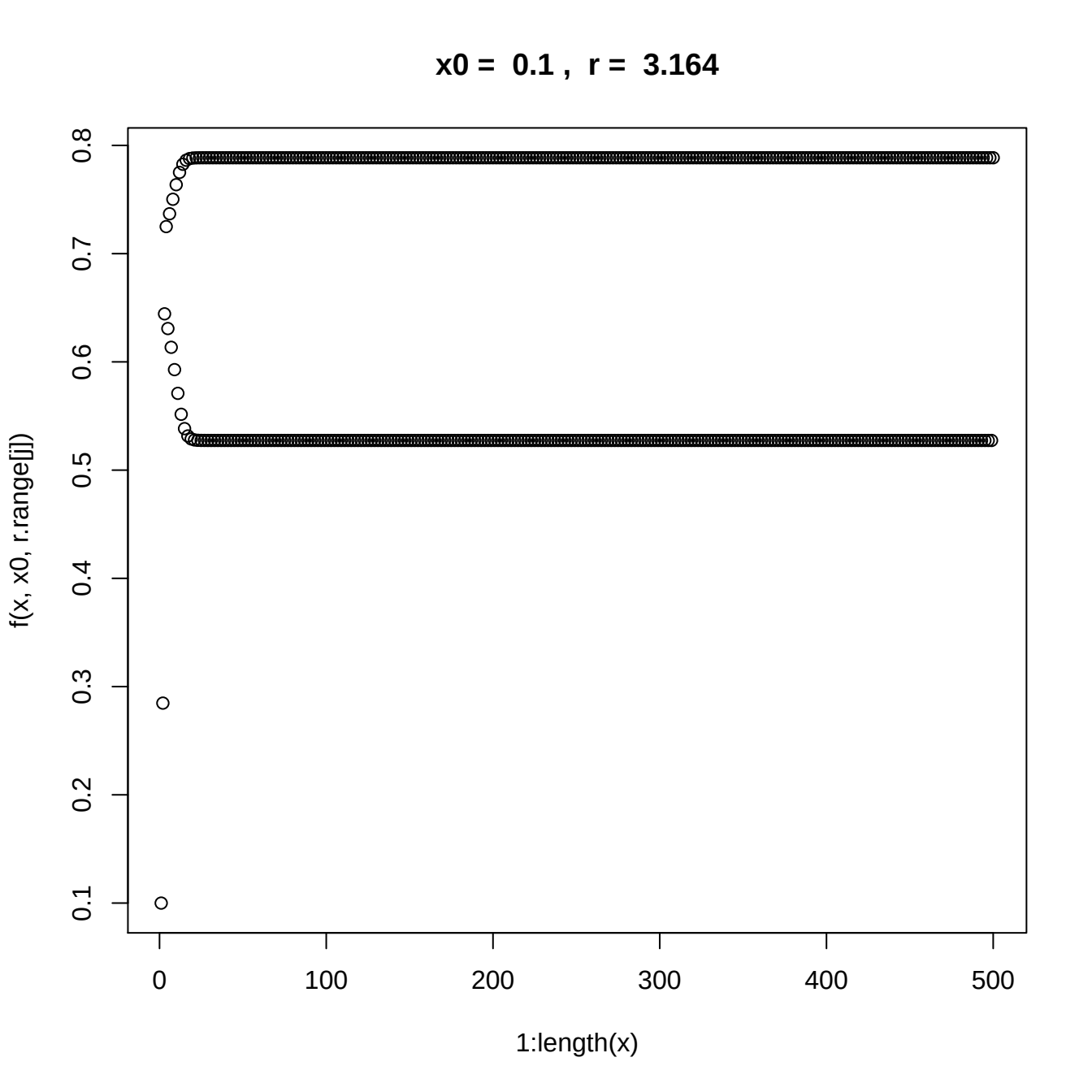

x0 = 0.1 , r = 3.154
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

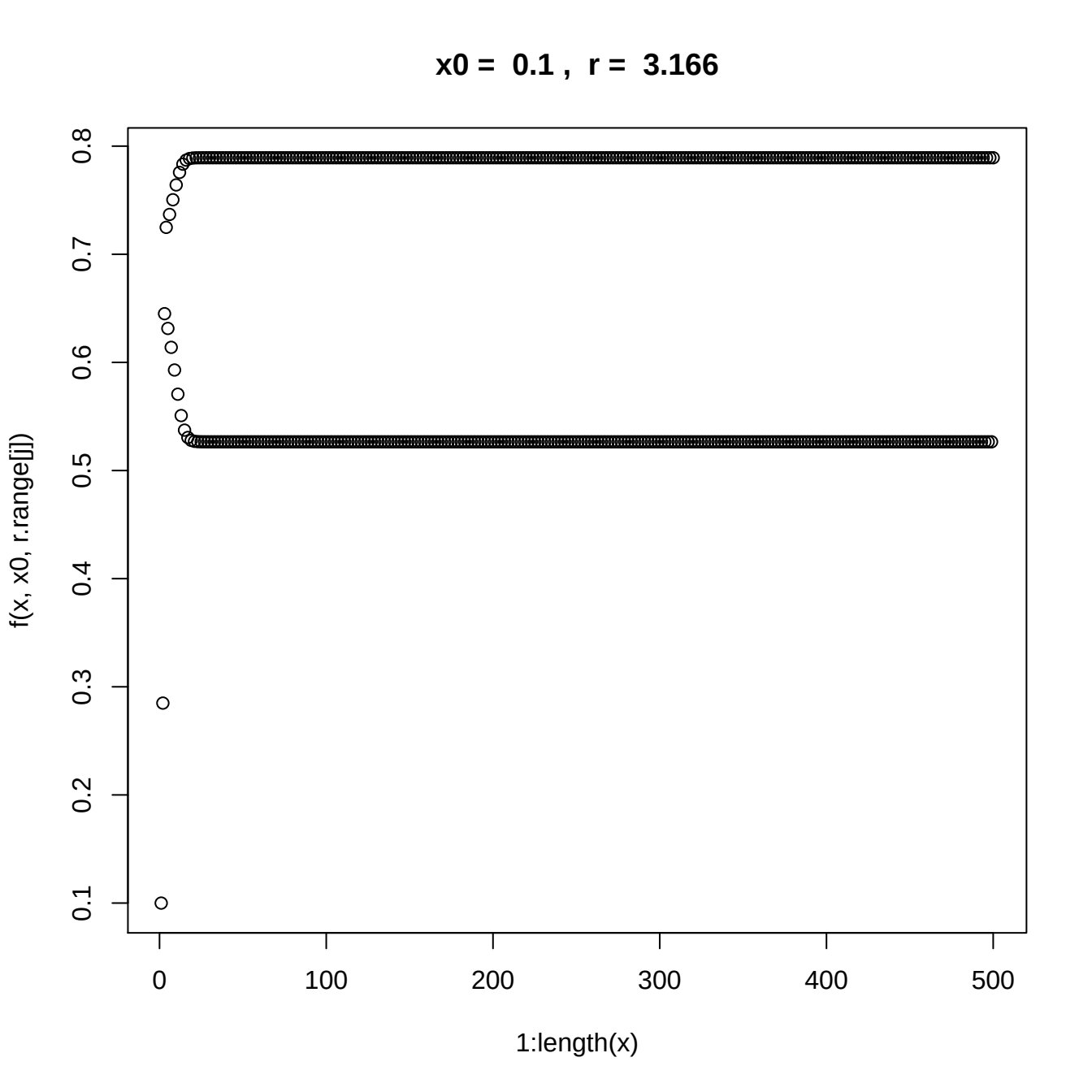

x0 = 0.1 , r = 3.156
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

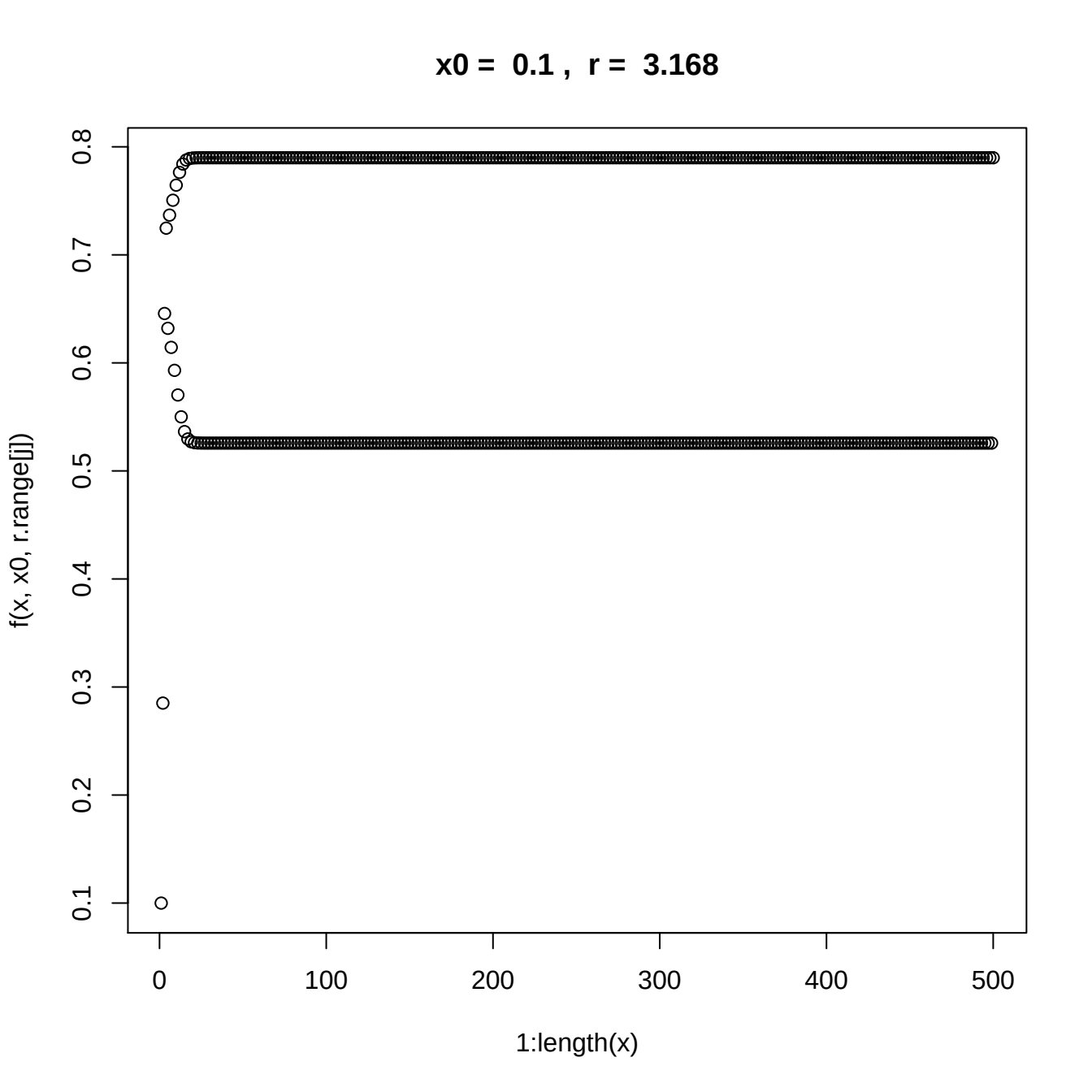

x0 = 0.1 , r = 3.158
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

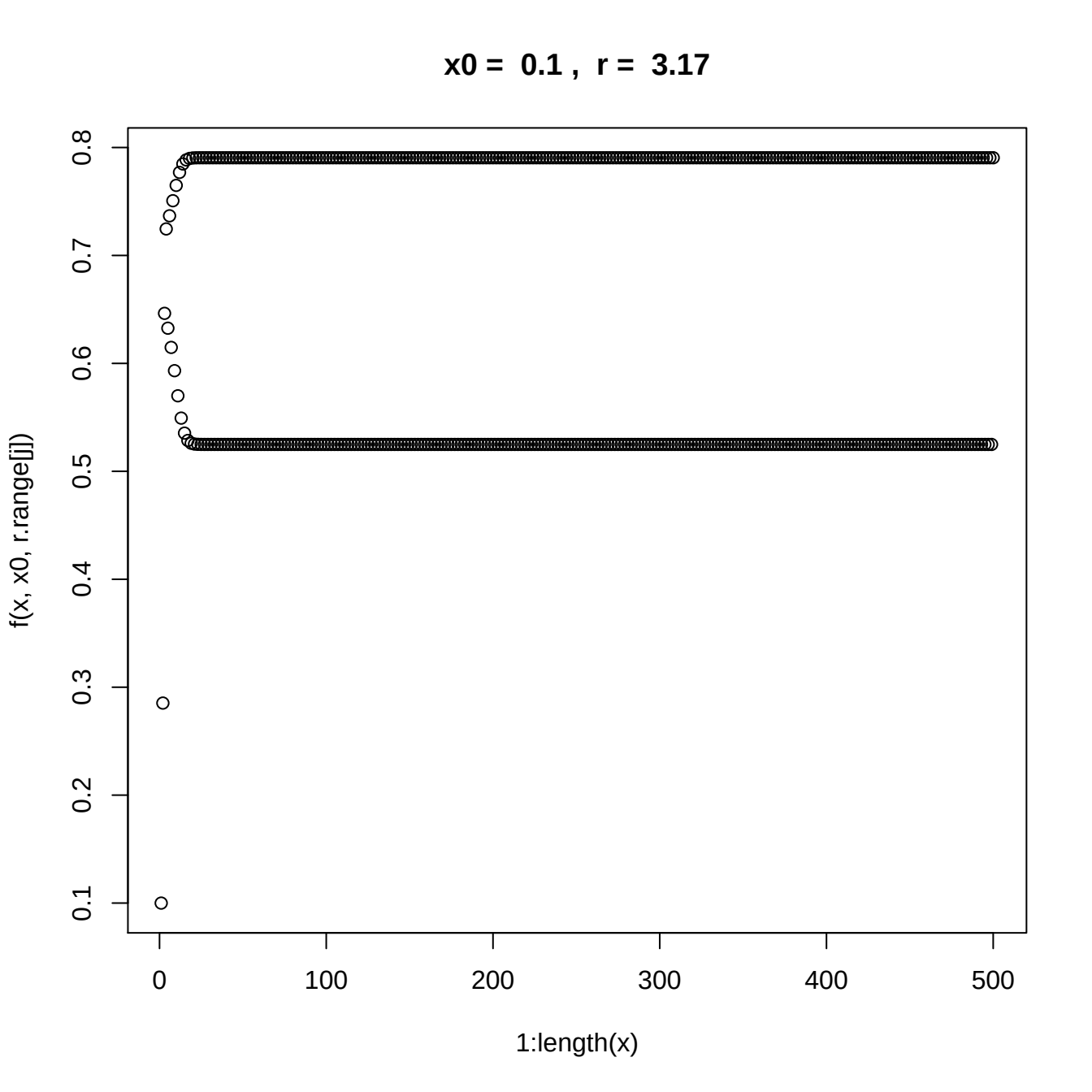

x0 = 0.1 , r = 3.16
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

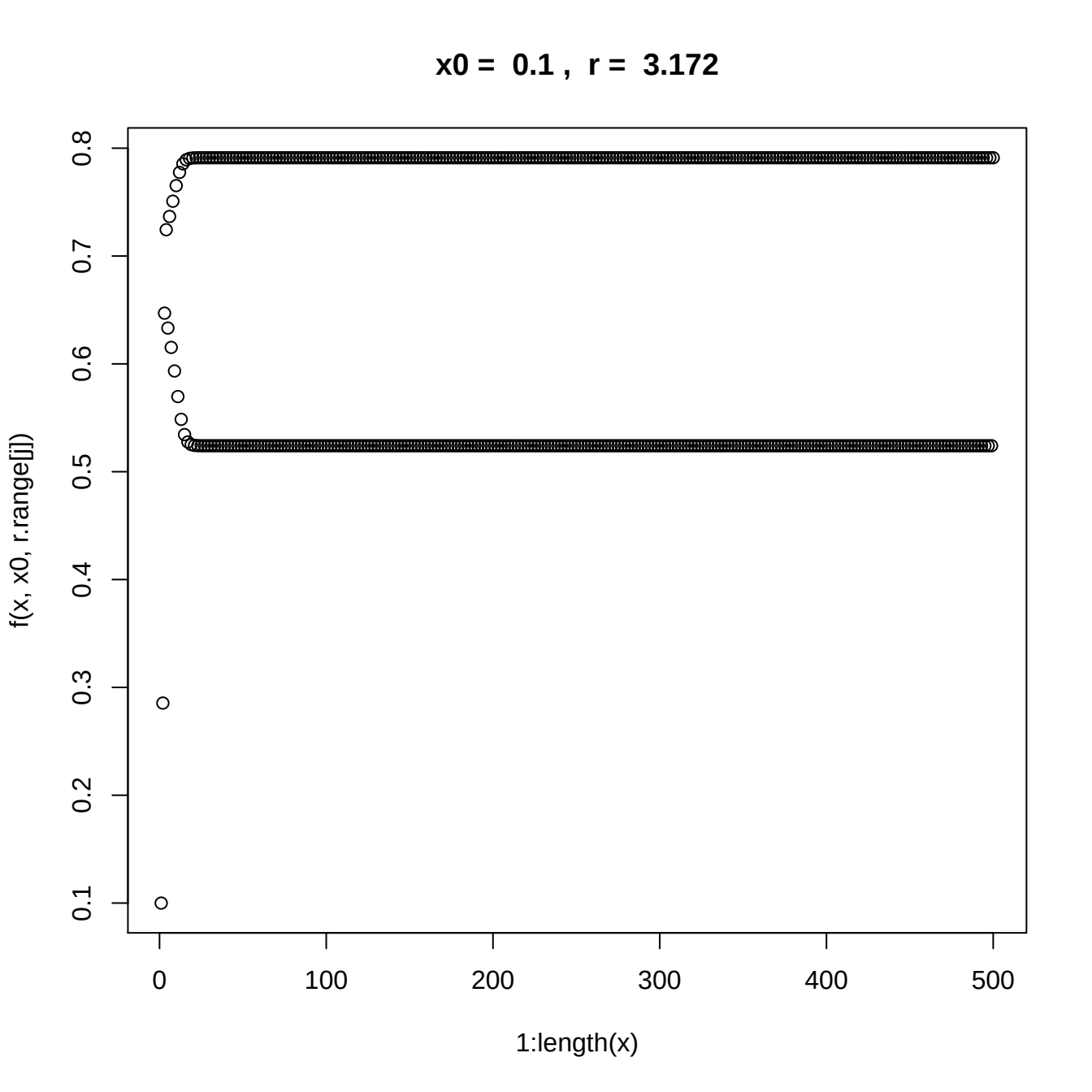

x0 = 0.1 , r = 3.162
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

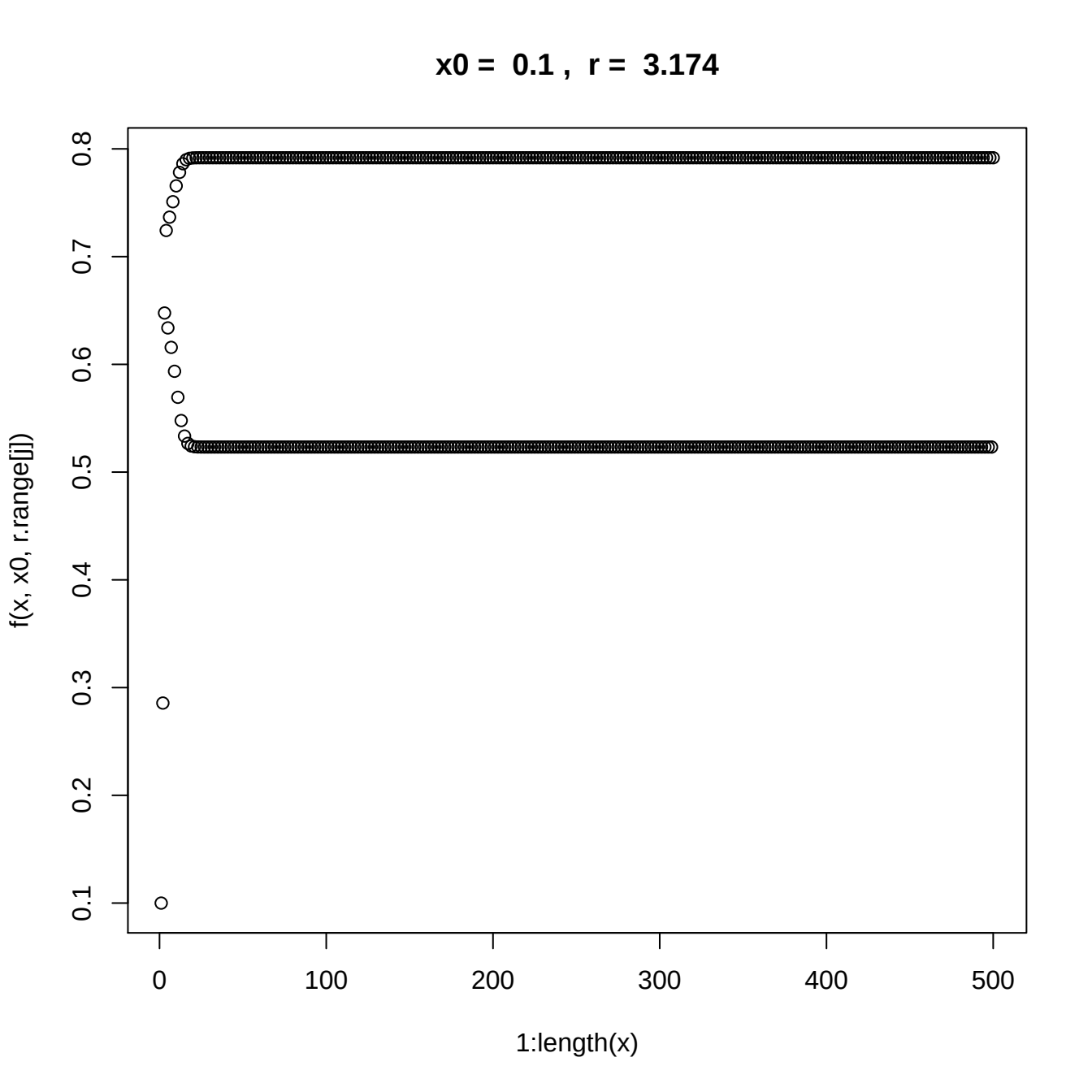

x0 = 0.1 , r = 3.164
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

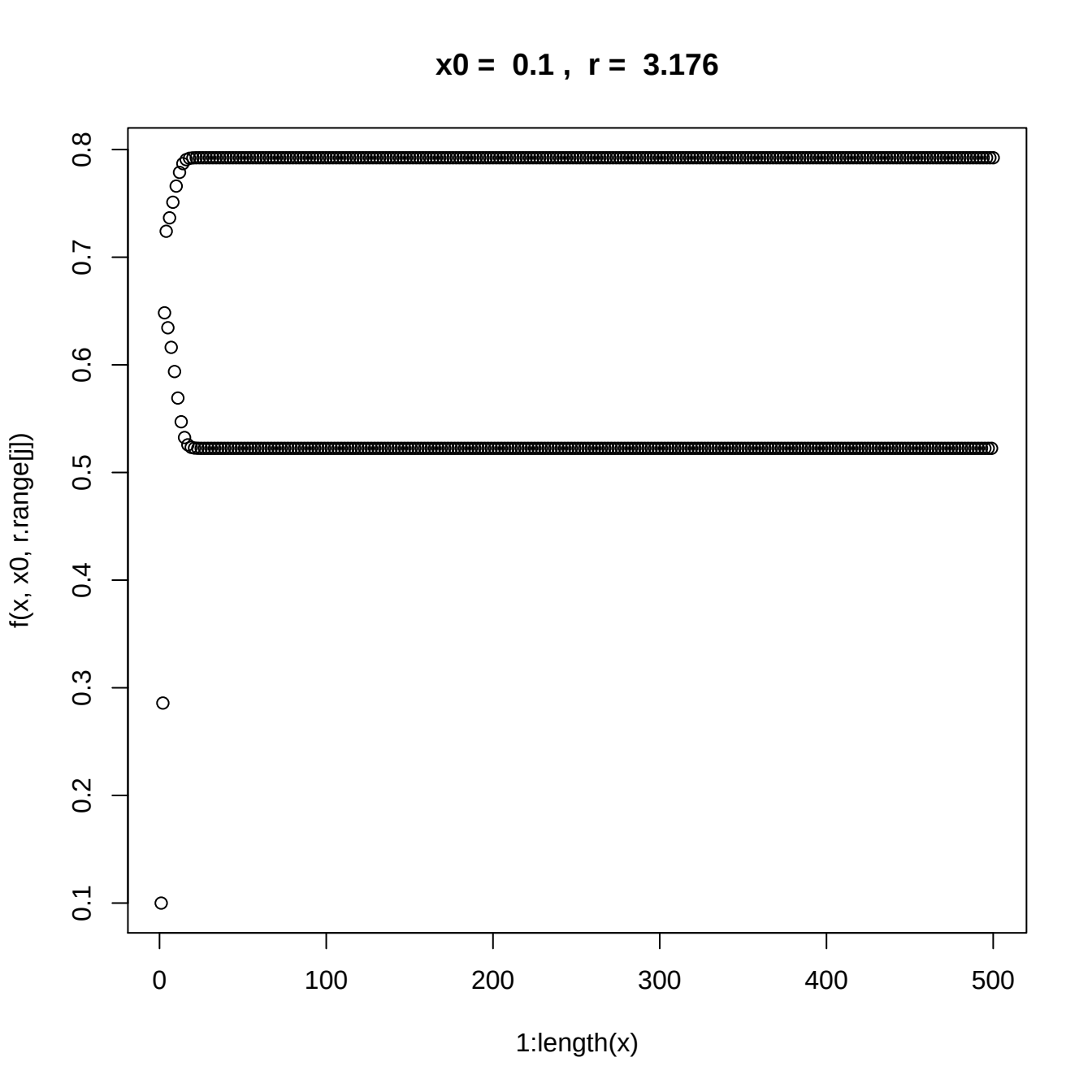

x0 = 0.1 , r = 3.166
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

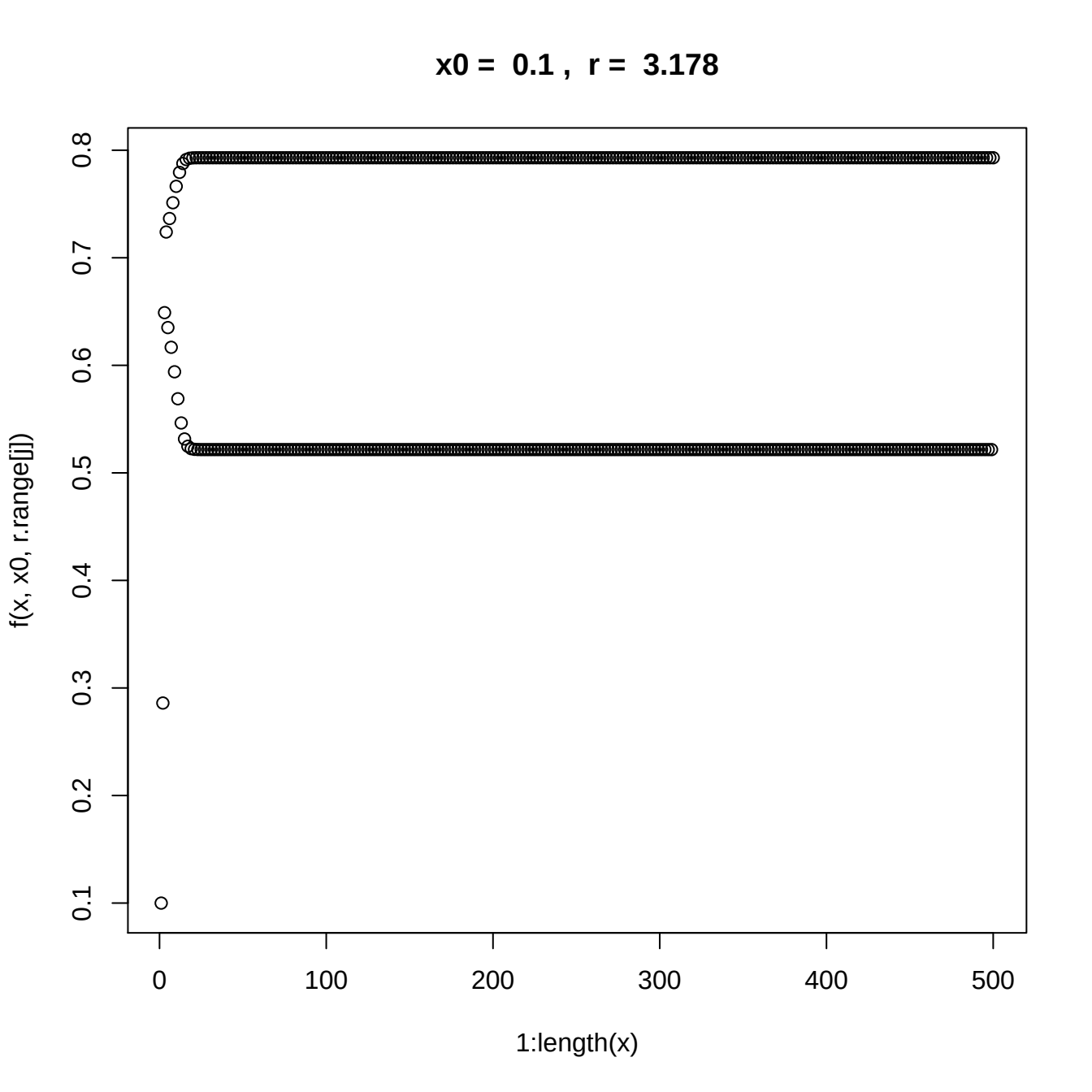

x0 = 0.1 , r = 3.168
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

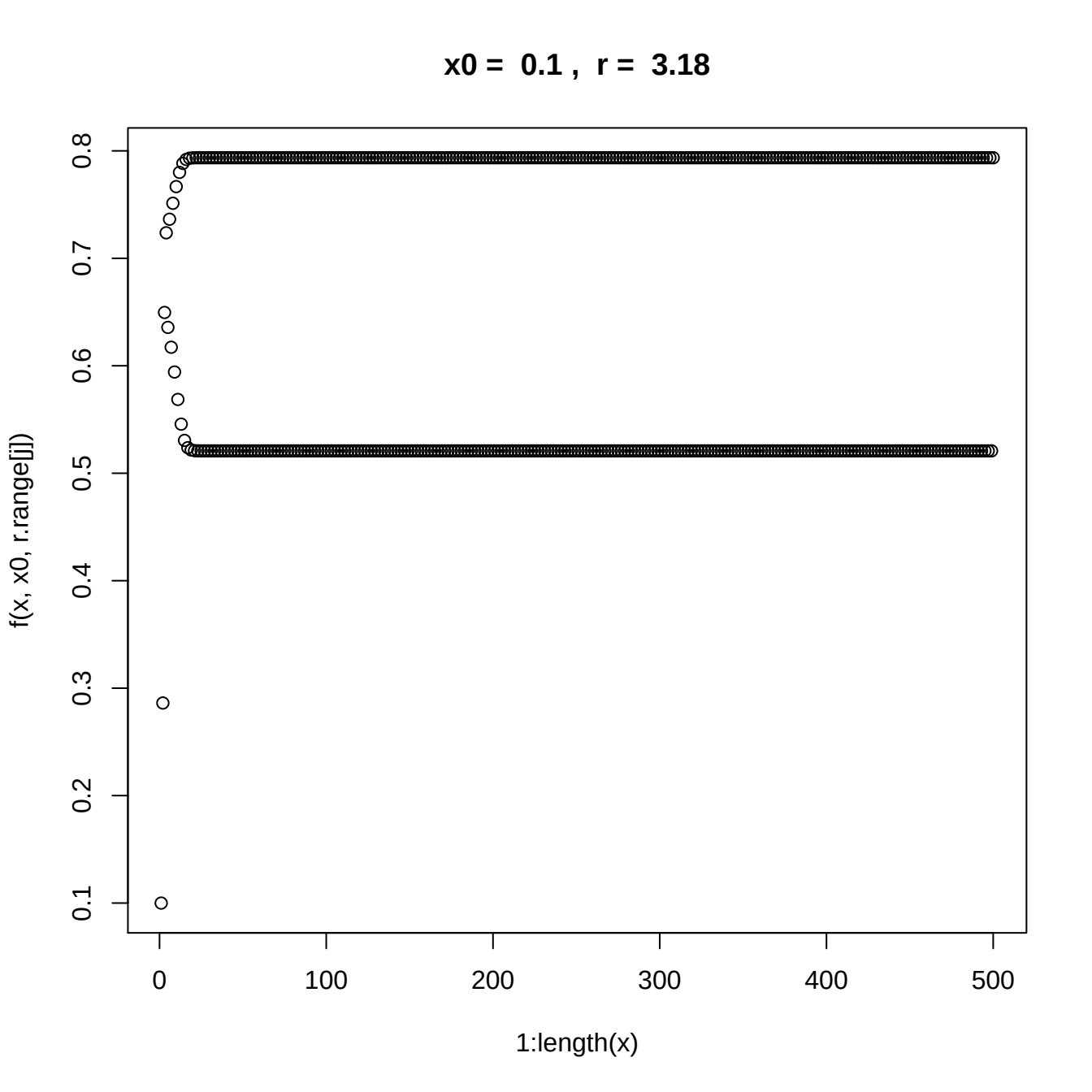

x0 = 0.1 , r = 3.17
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

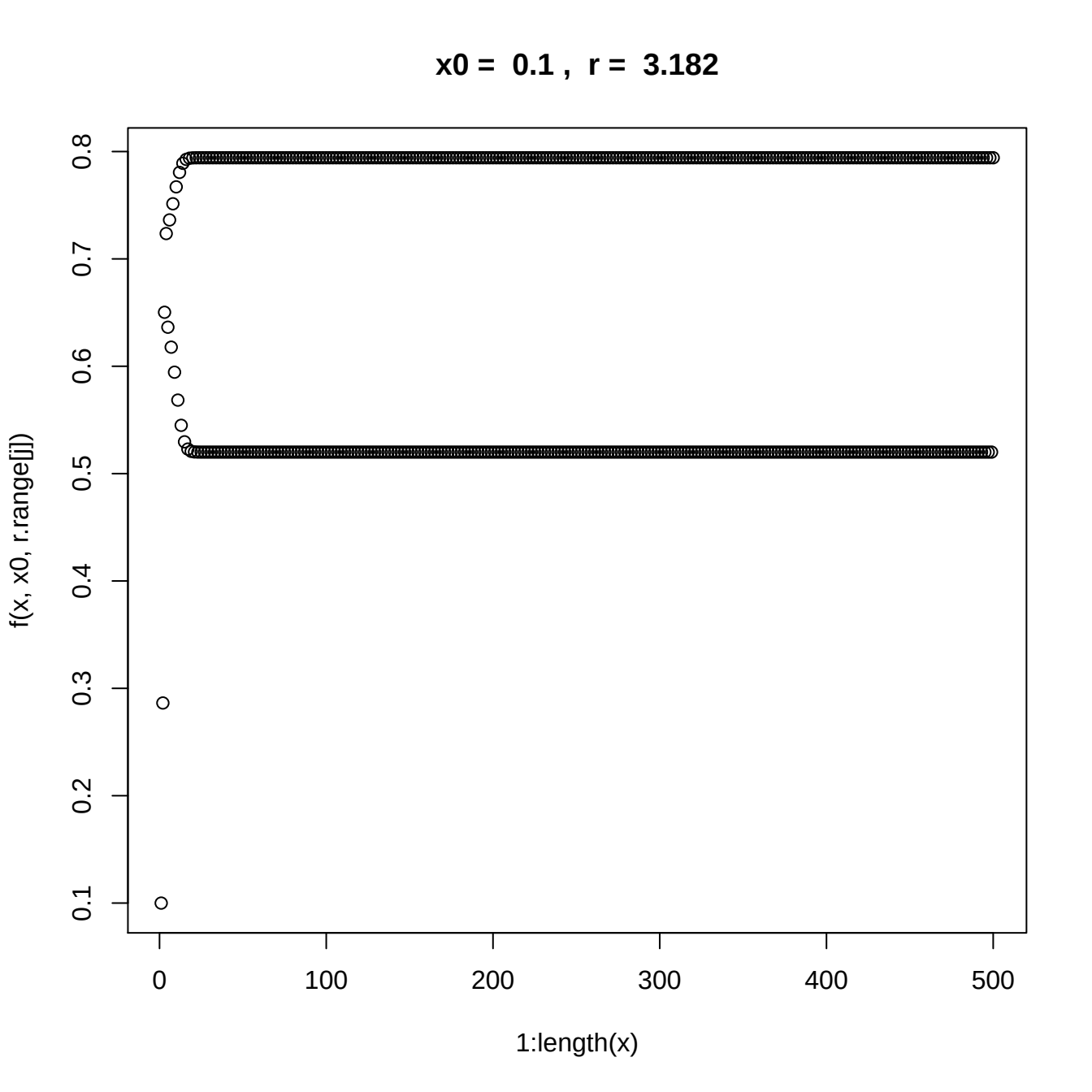

x0 = 0.1 , r = 3.172
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

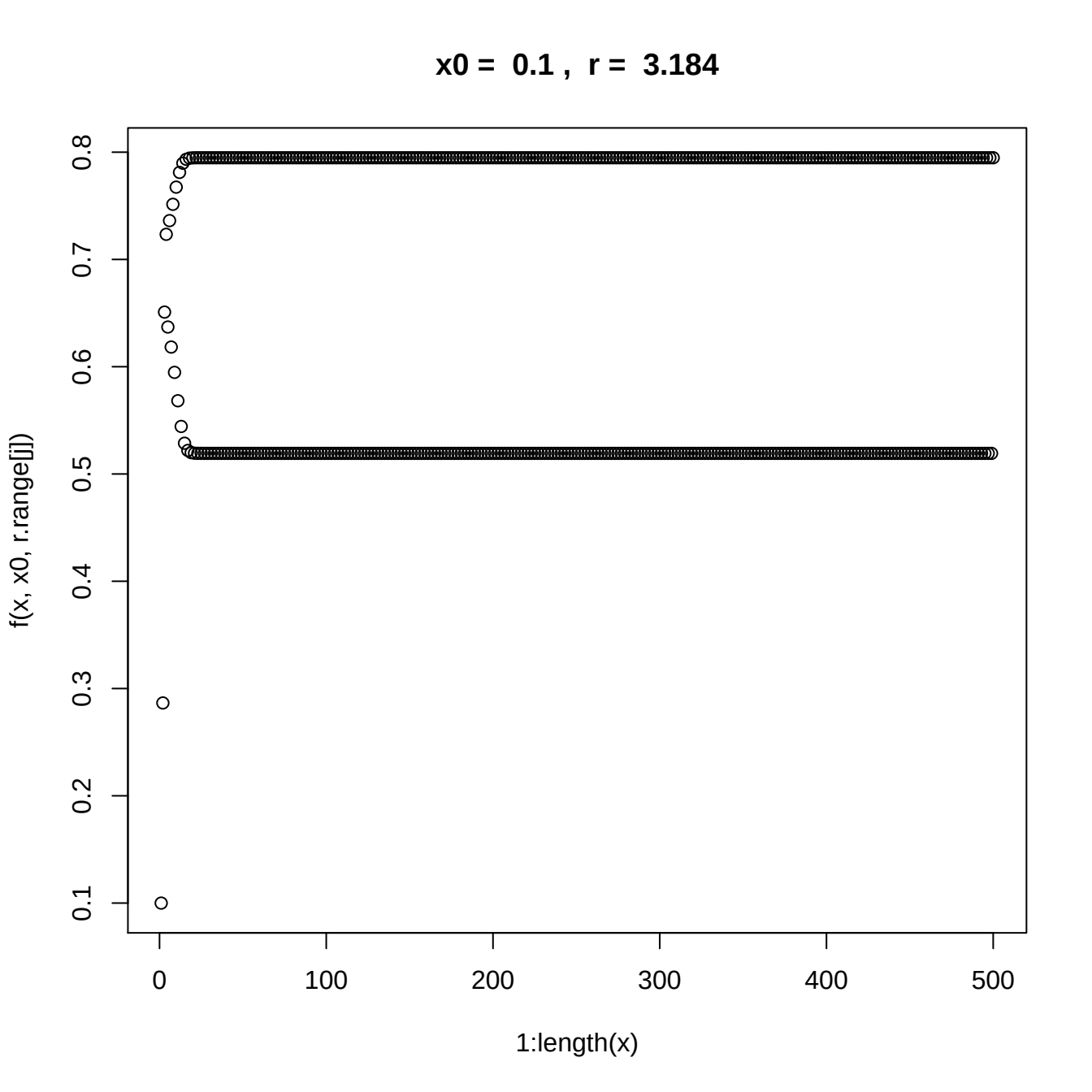

x0 = 0.1 , r = 3.174
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

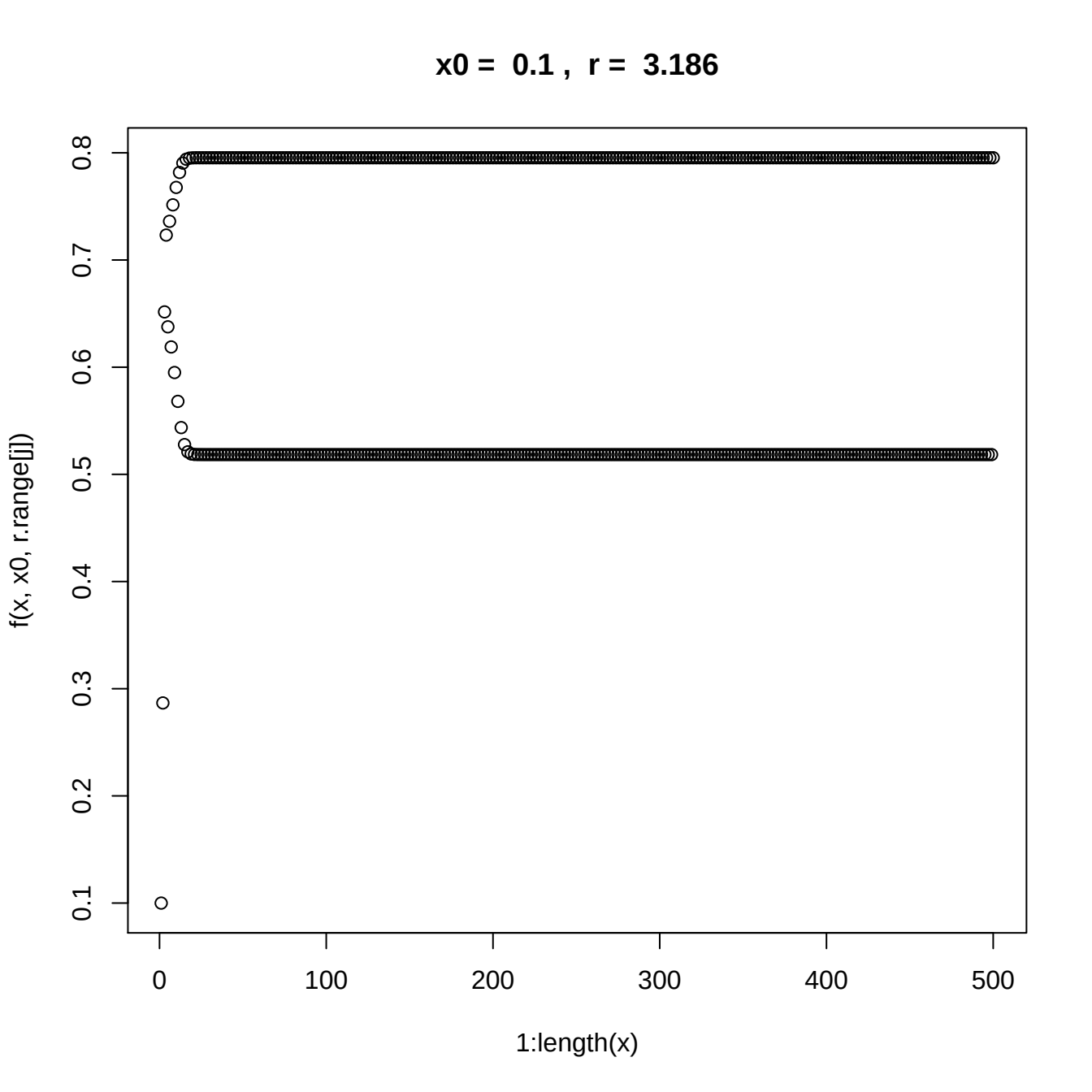

x0 = 0.1 , r = 3.176
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

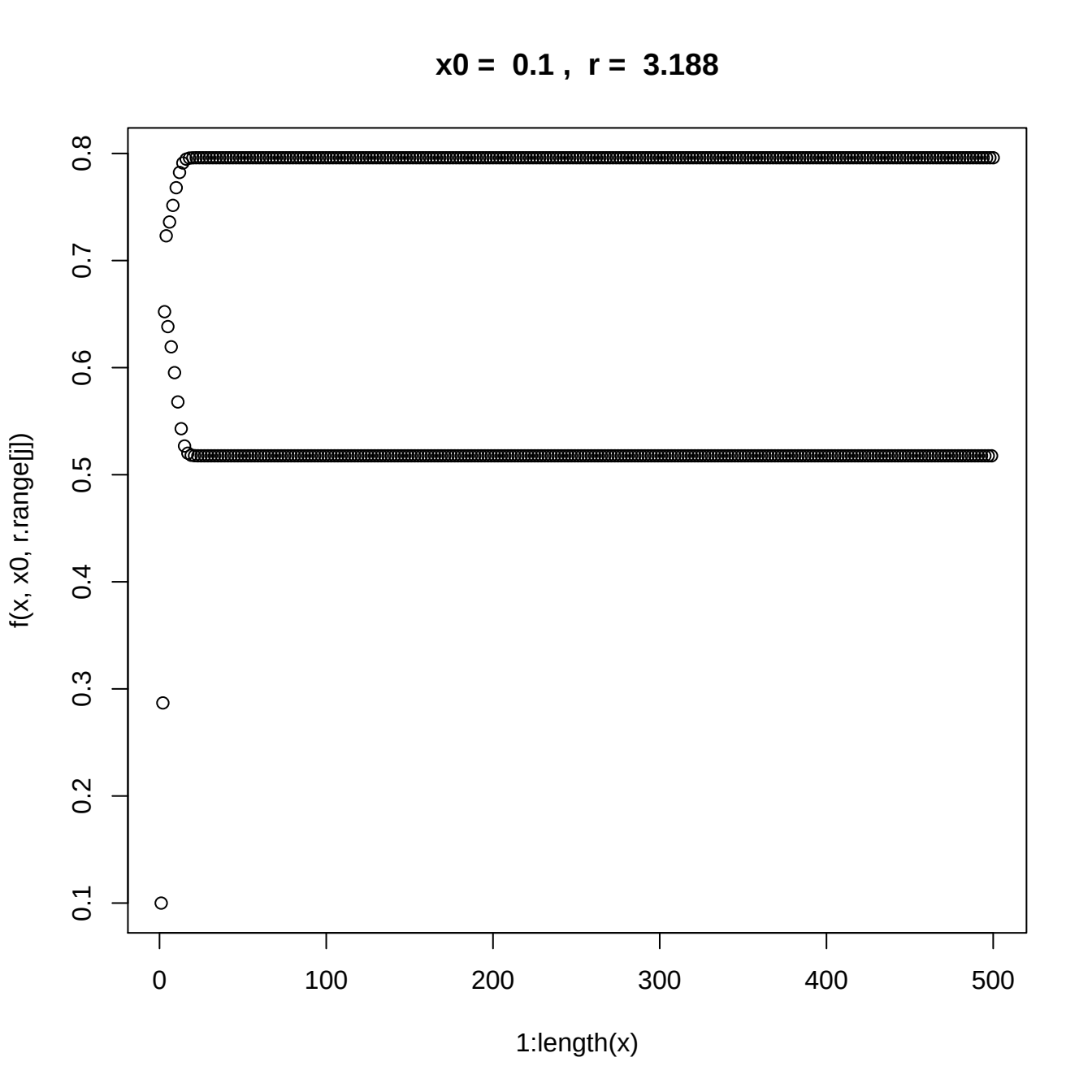

x0 = 0.1 , r = 3.178
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

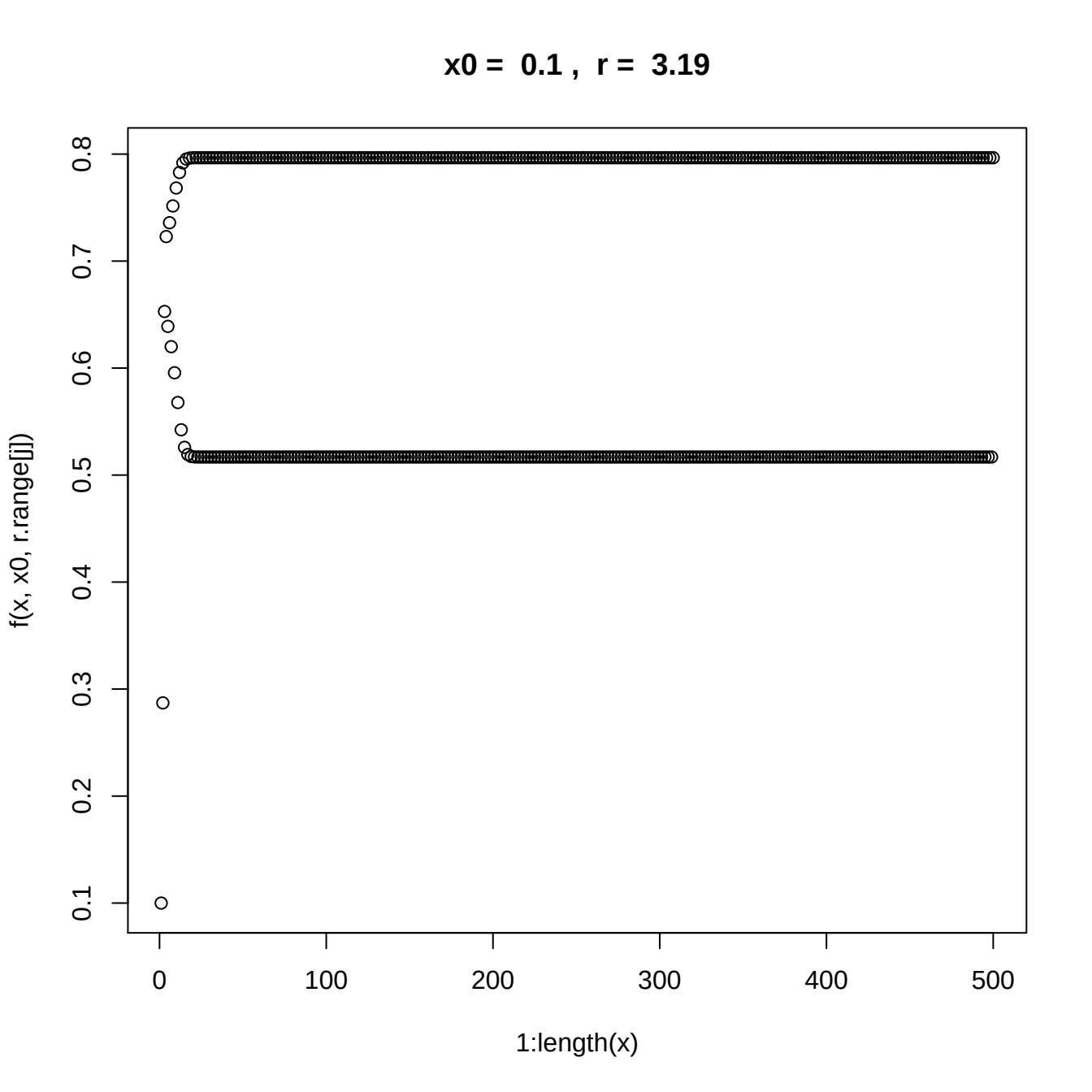

x0 = 0.1 , r = 3.18
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

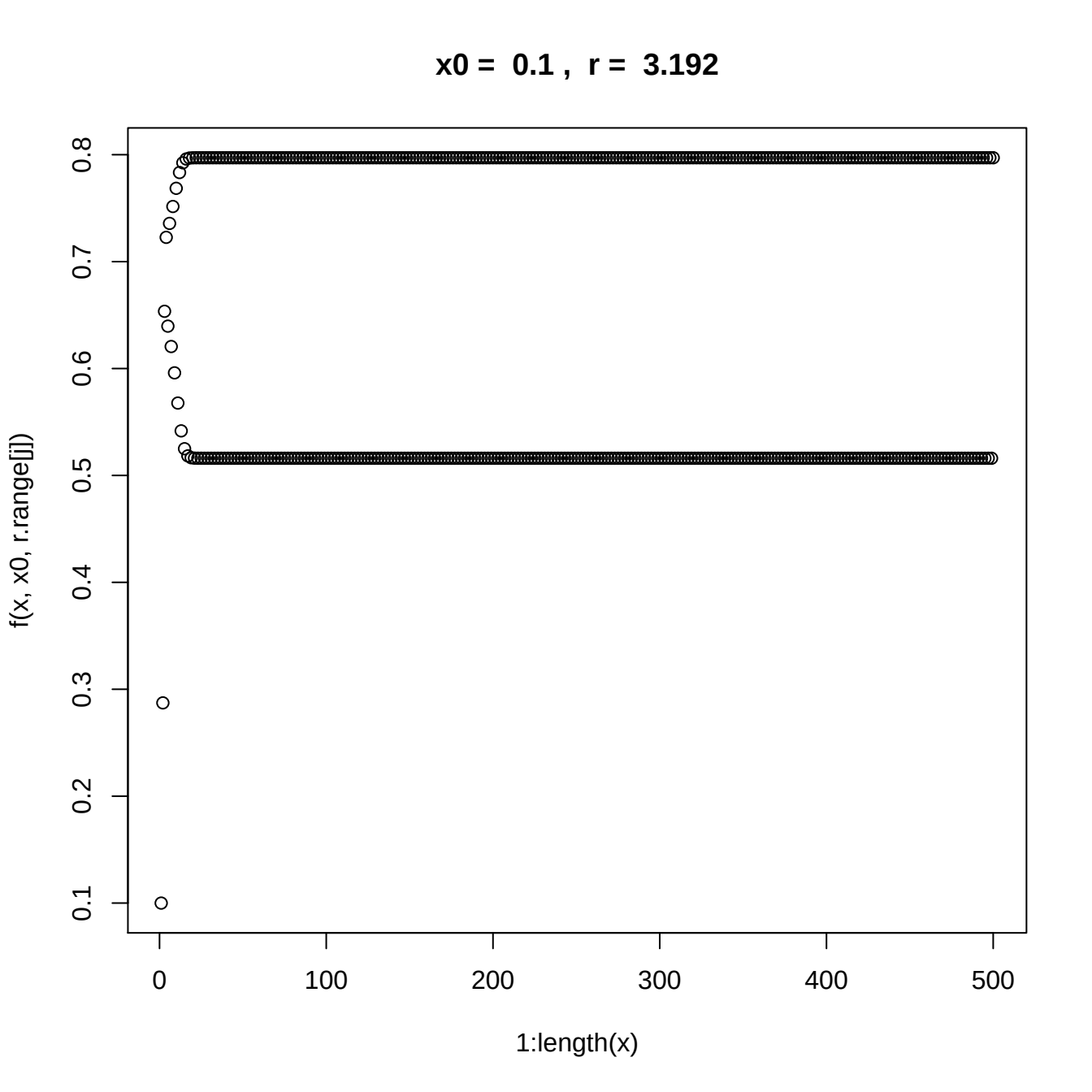

x0 = 0.1 , r = 3.182
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

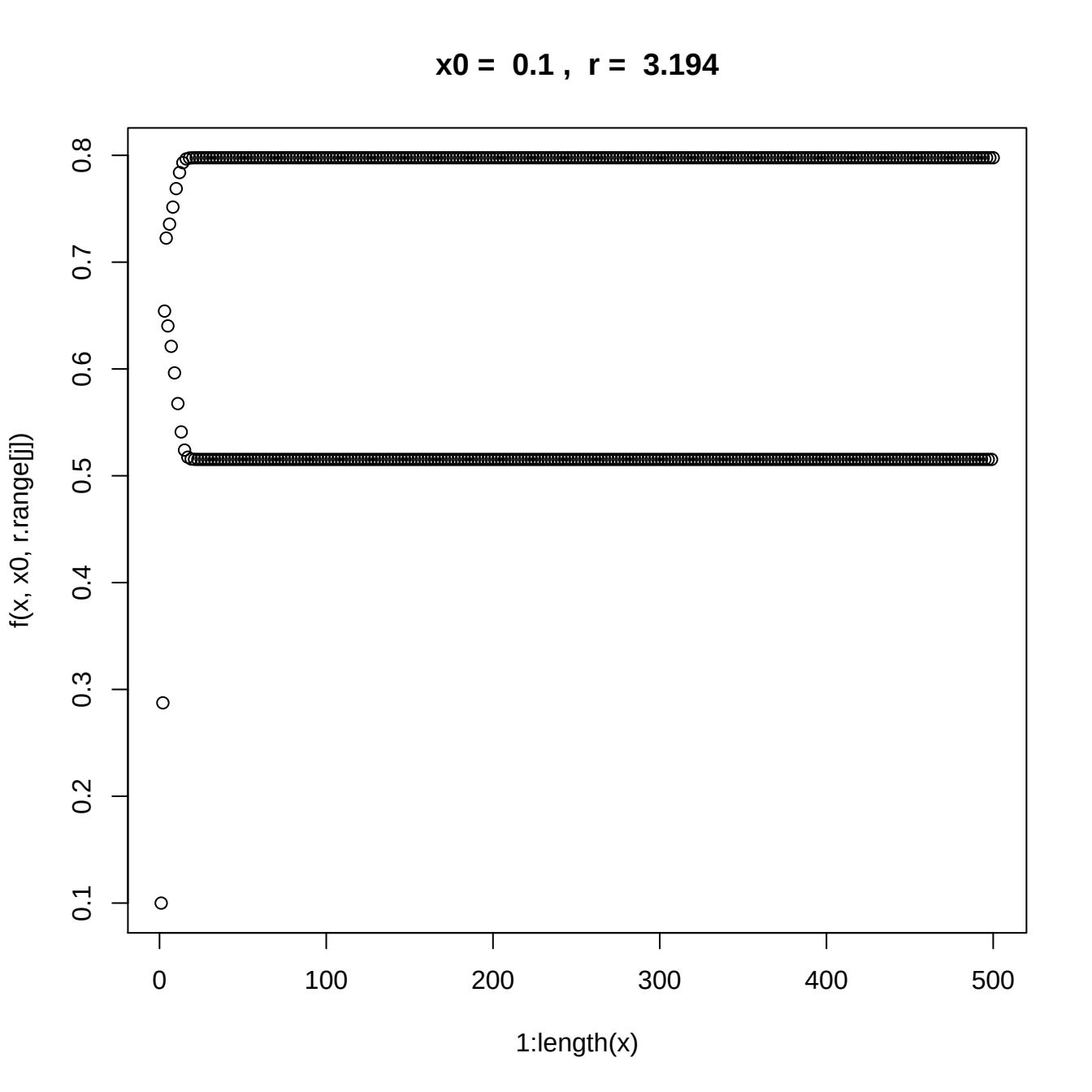

x0 = 0.1 , r = 3.184
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

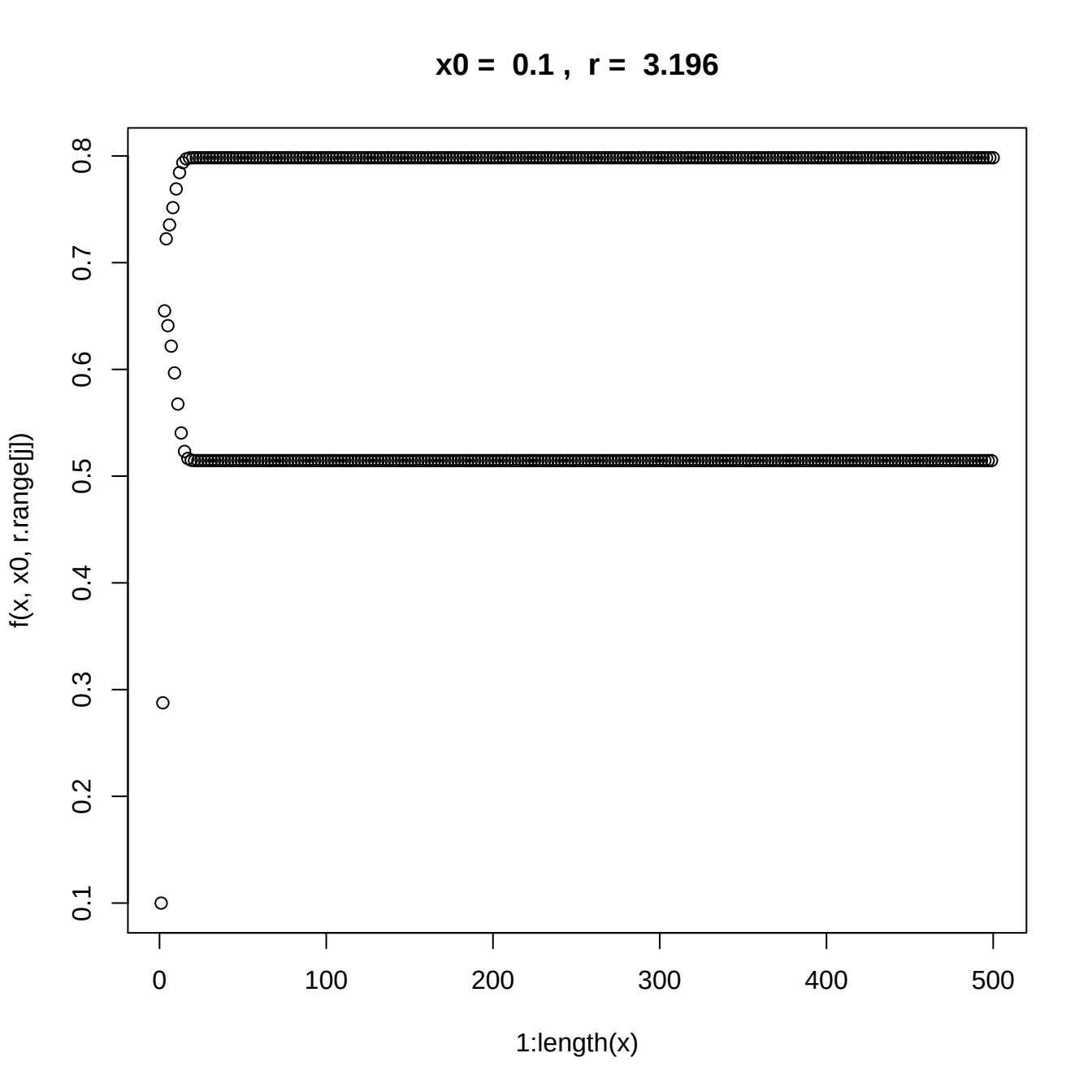

x0 = 0.1 , r = 3.186
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

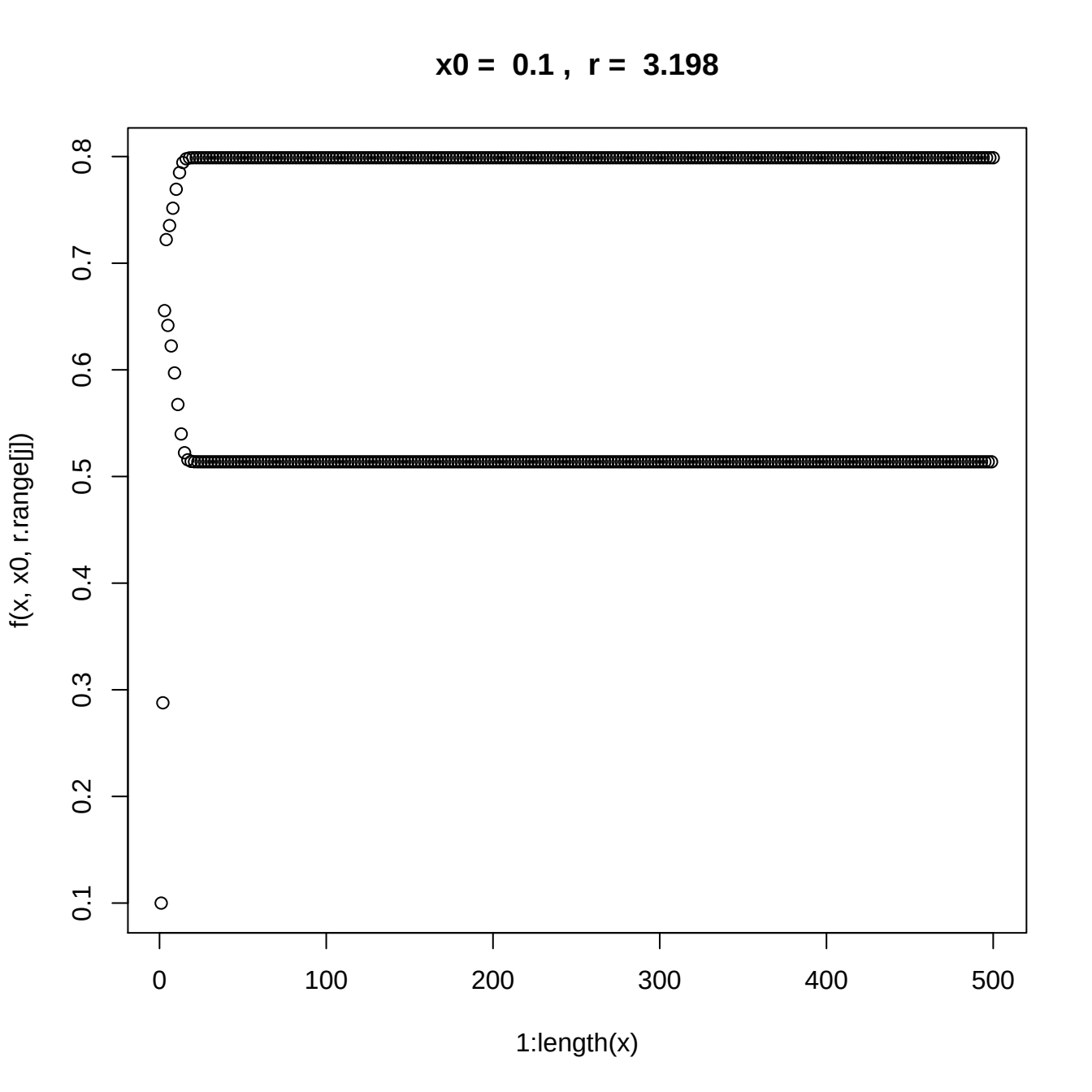

x0 = 0.1 , r = 3.188
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

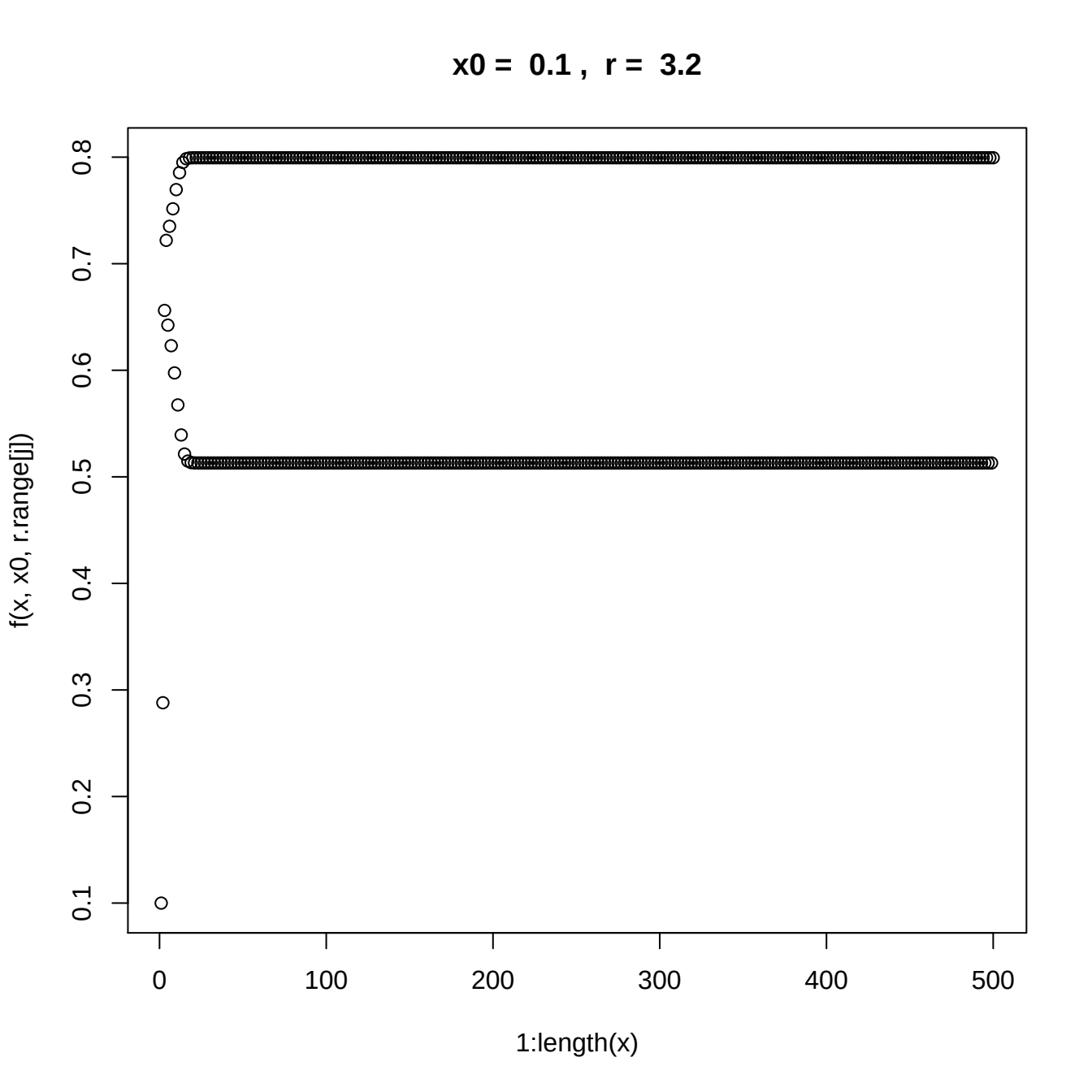

x0 = 0.1 , r = 3.19
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

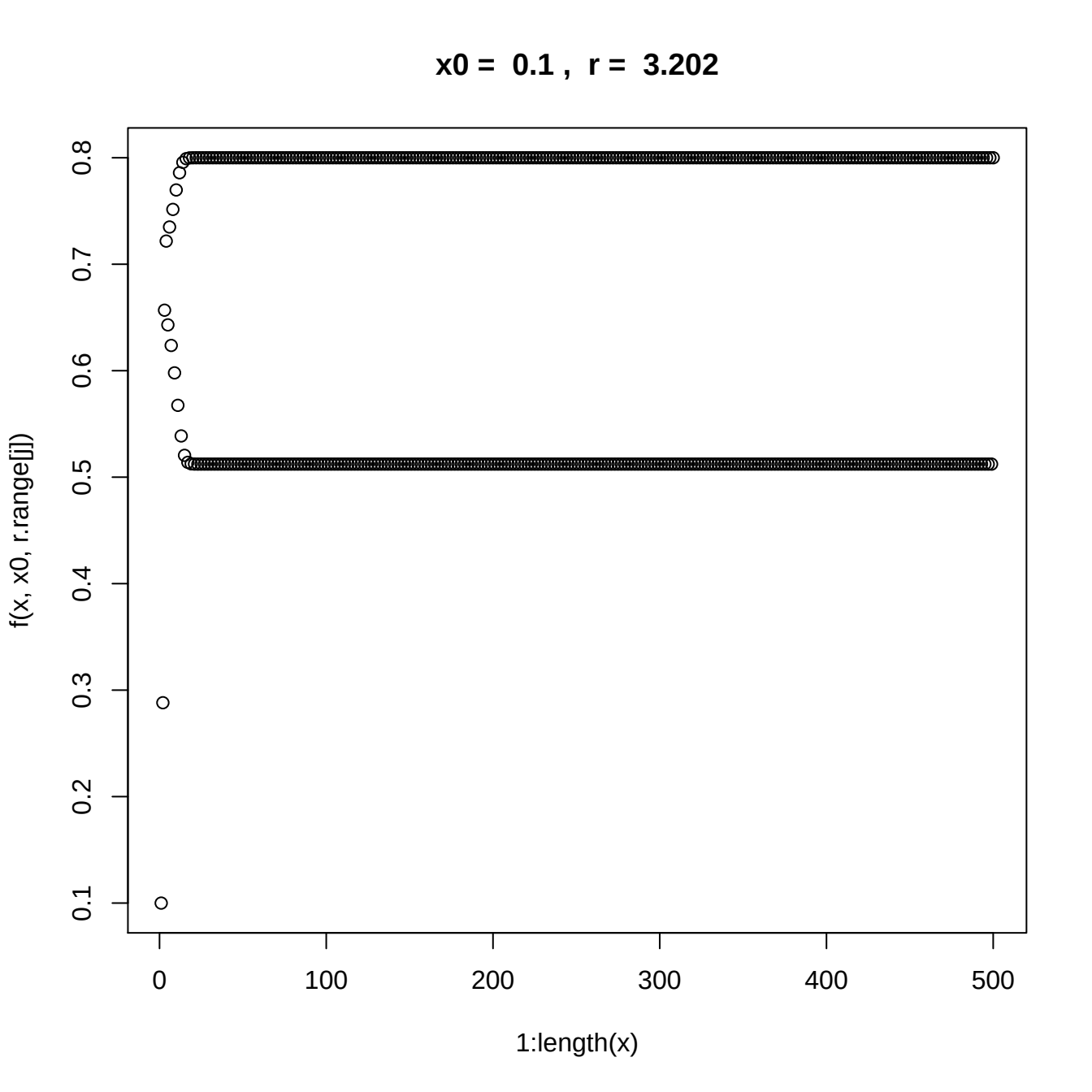

x0 = 0.1 , r = 3.192
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

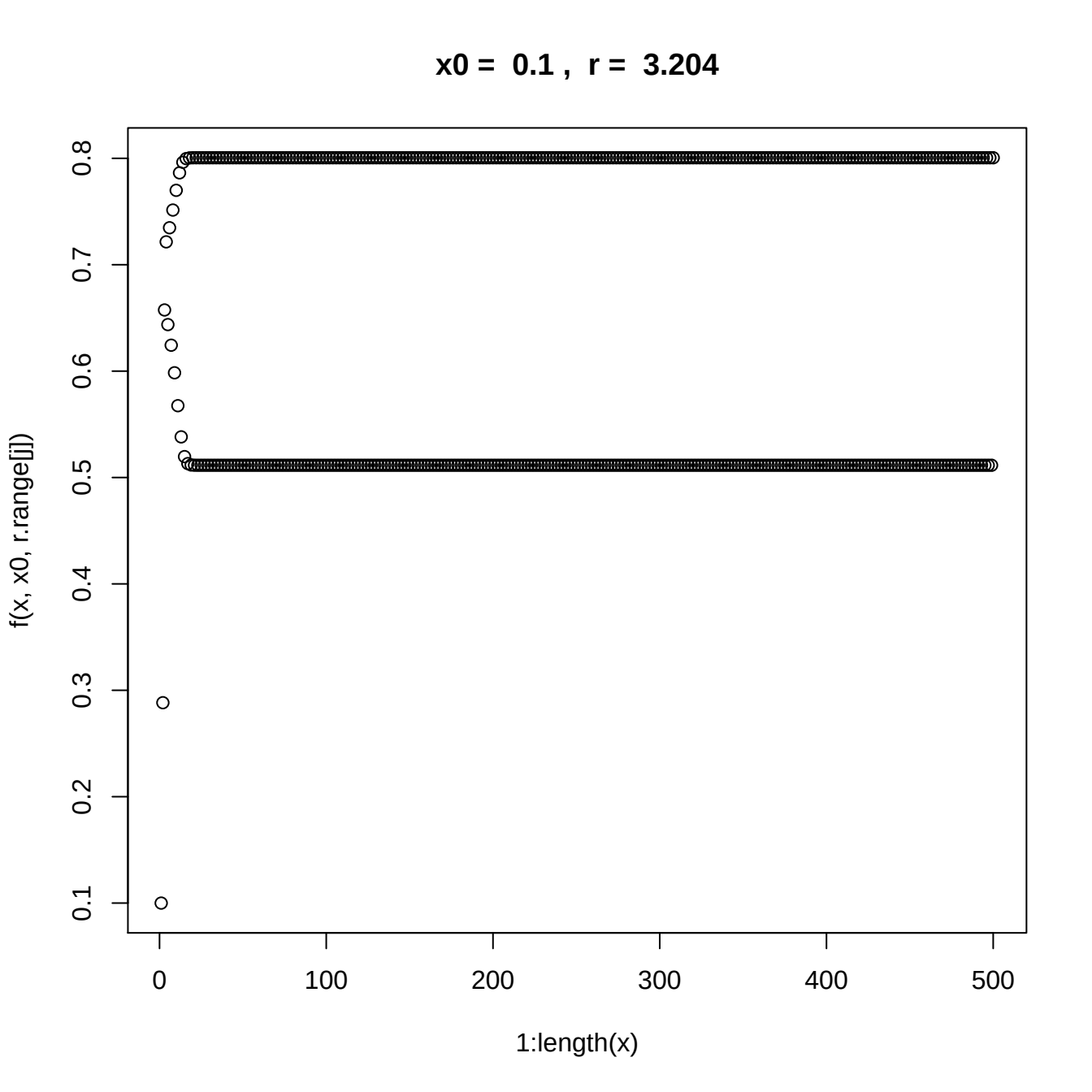

x0 = 0.1 , r = 3.194
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

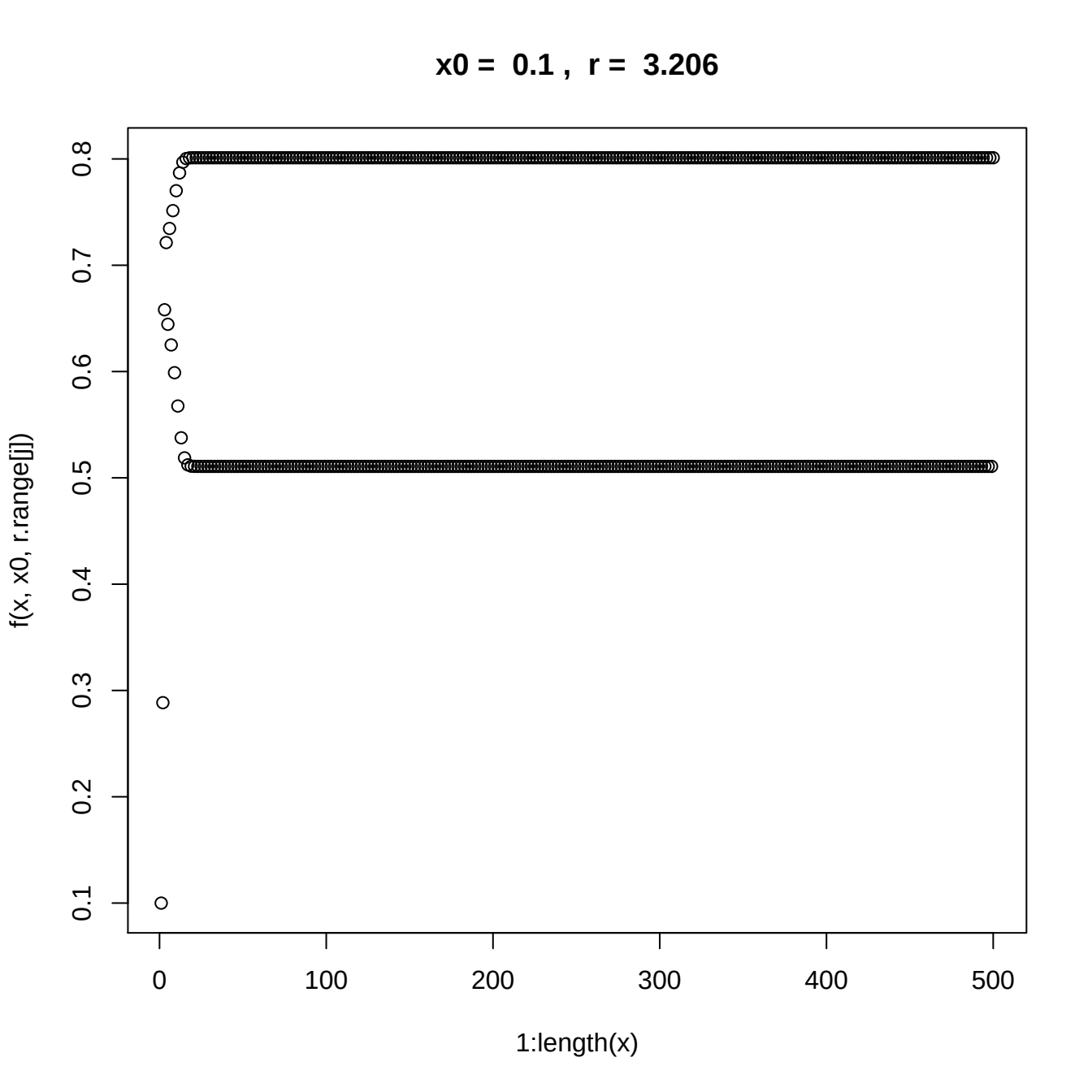

x0 = 0.1 , r = 3.196
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

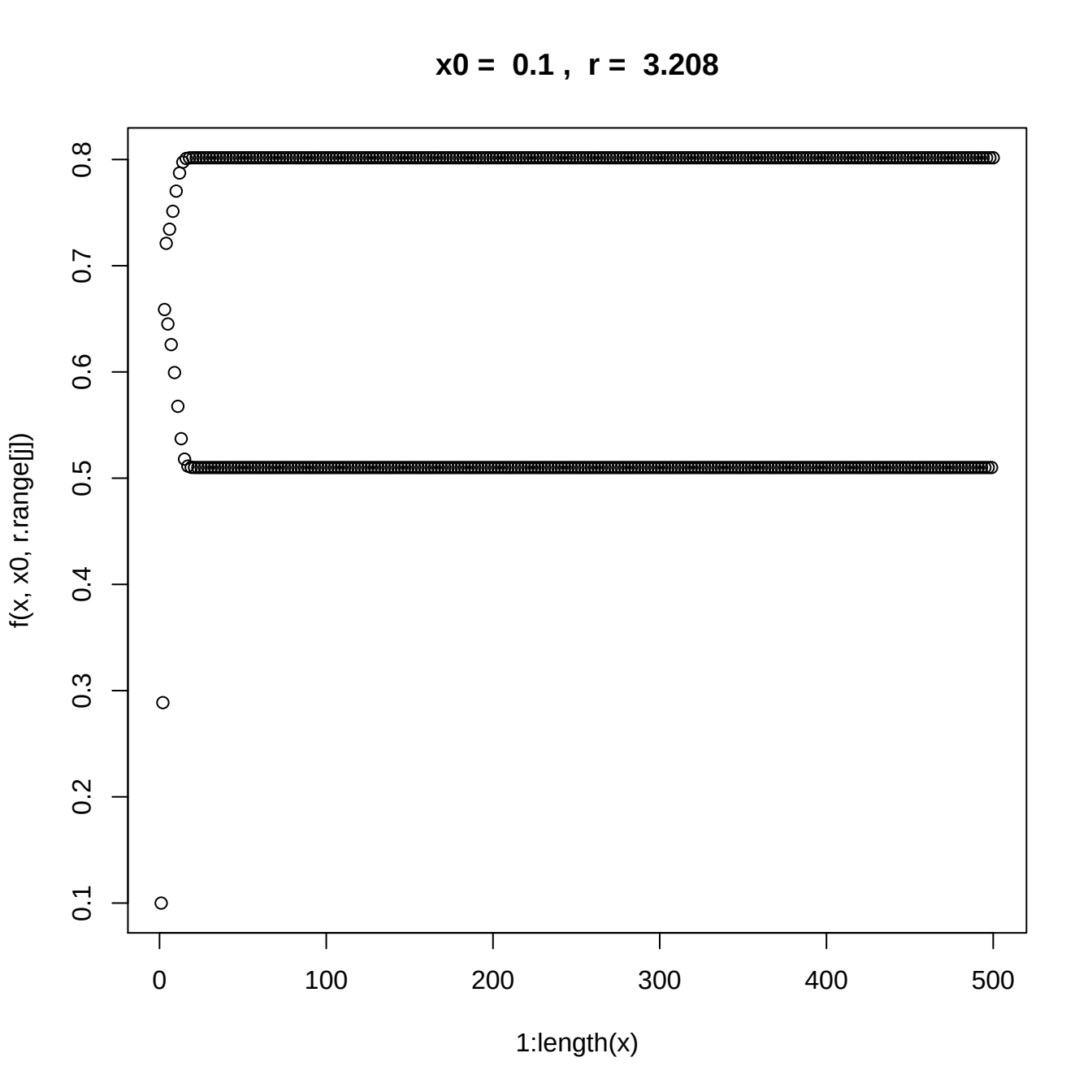

x0 = 0.1 , r = 3.198
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

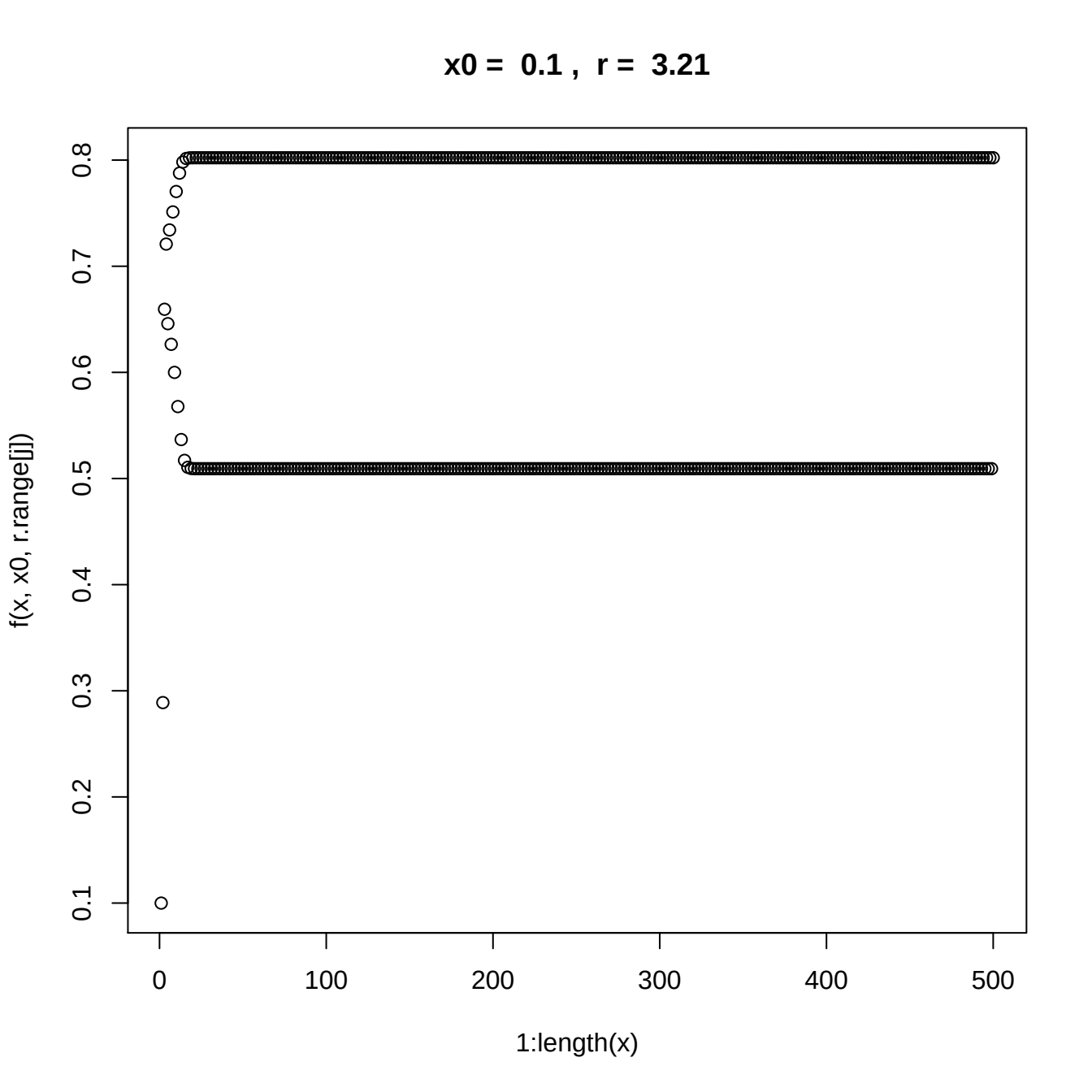

x0 = 0.1 , r = 3.2
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

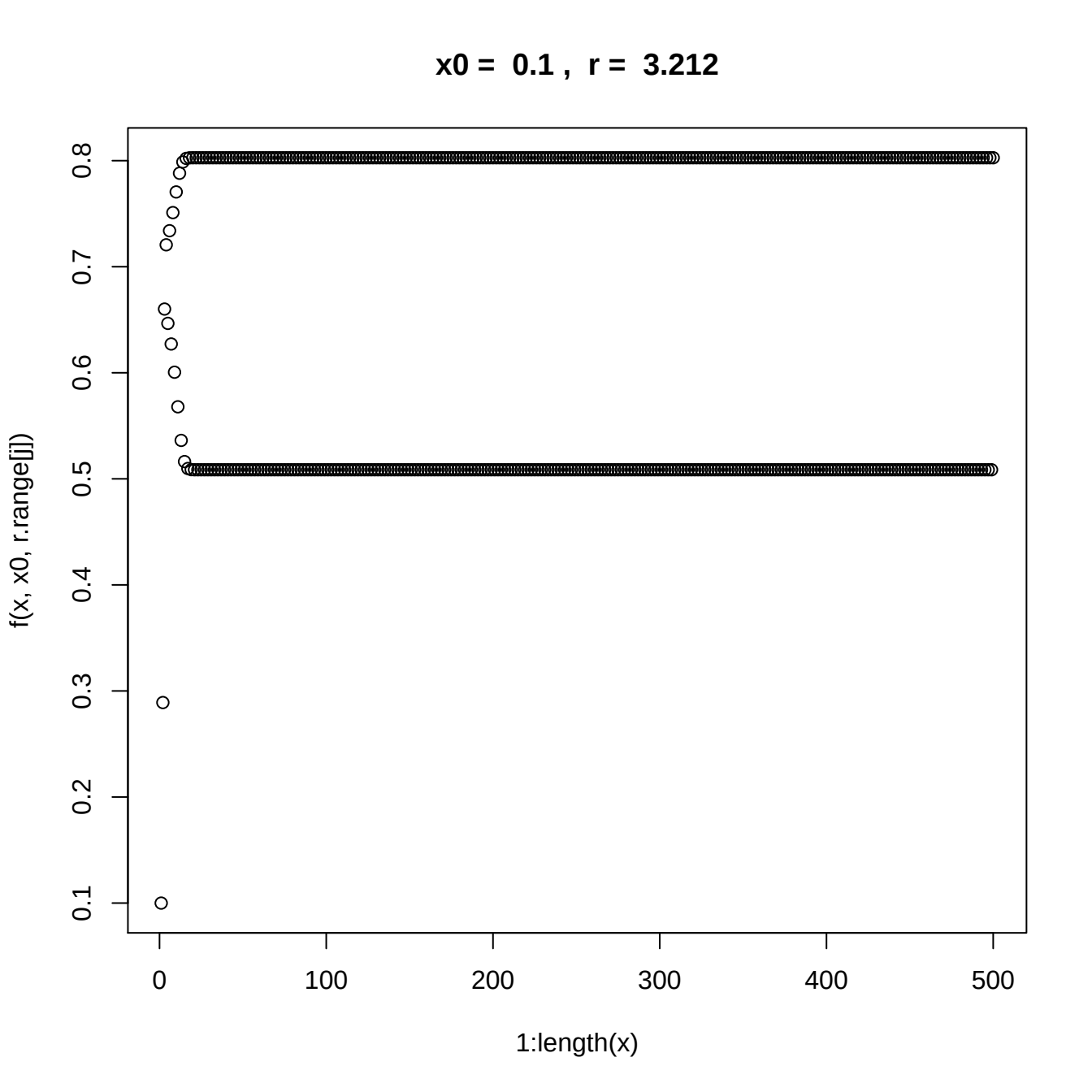

x0 = 0.1 , r = 3.202
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

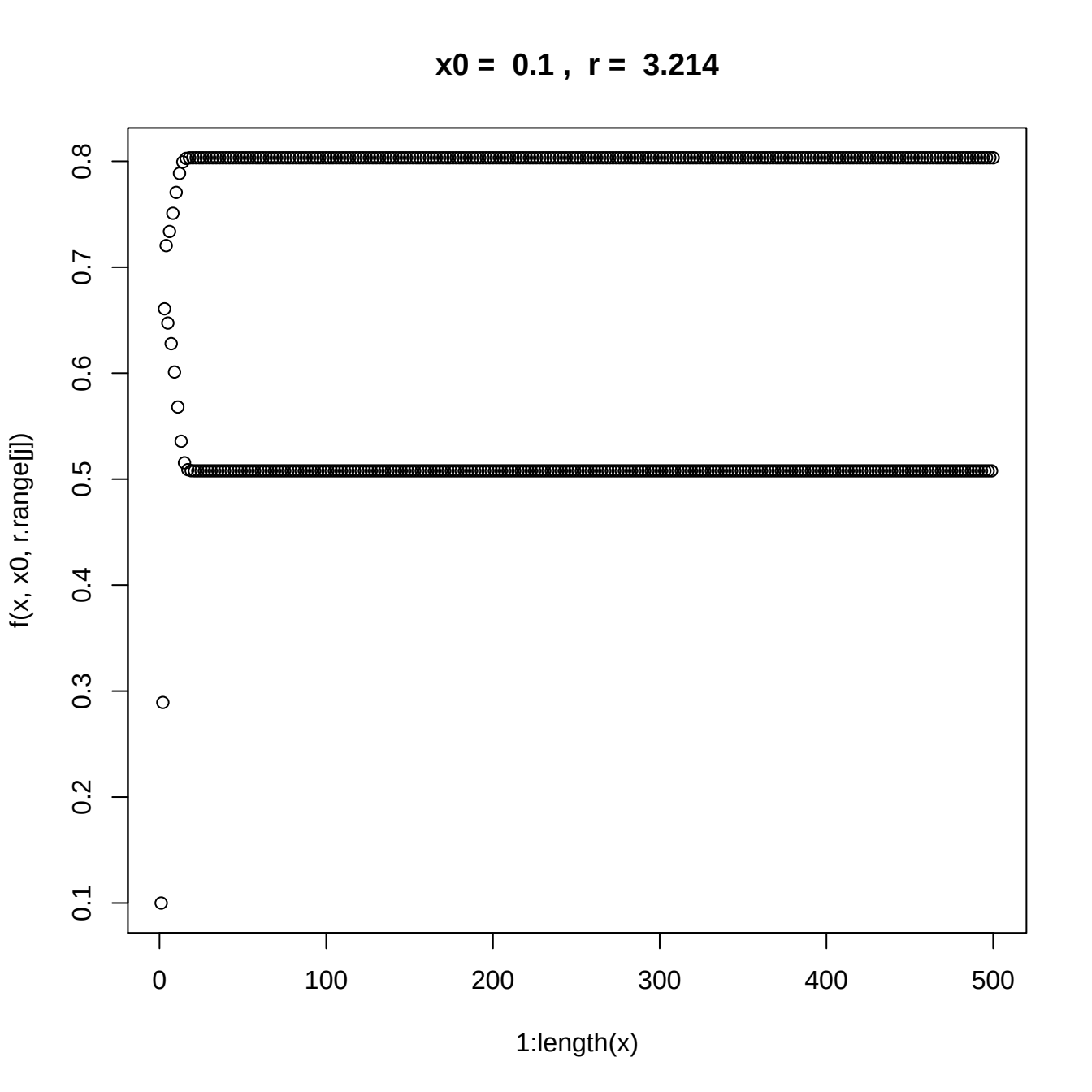

x0 = 0.1 , r = 3.204
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

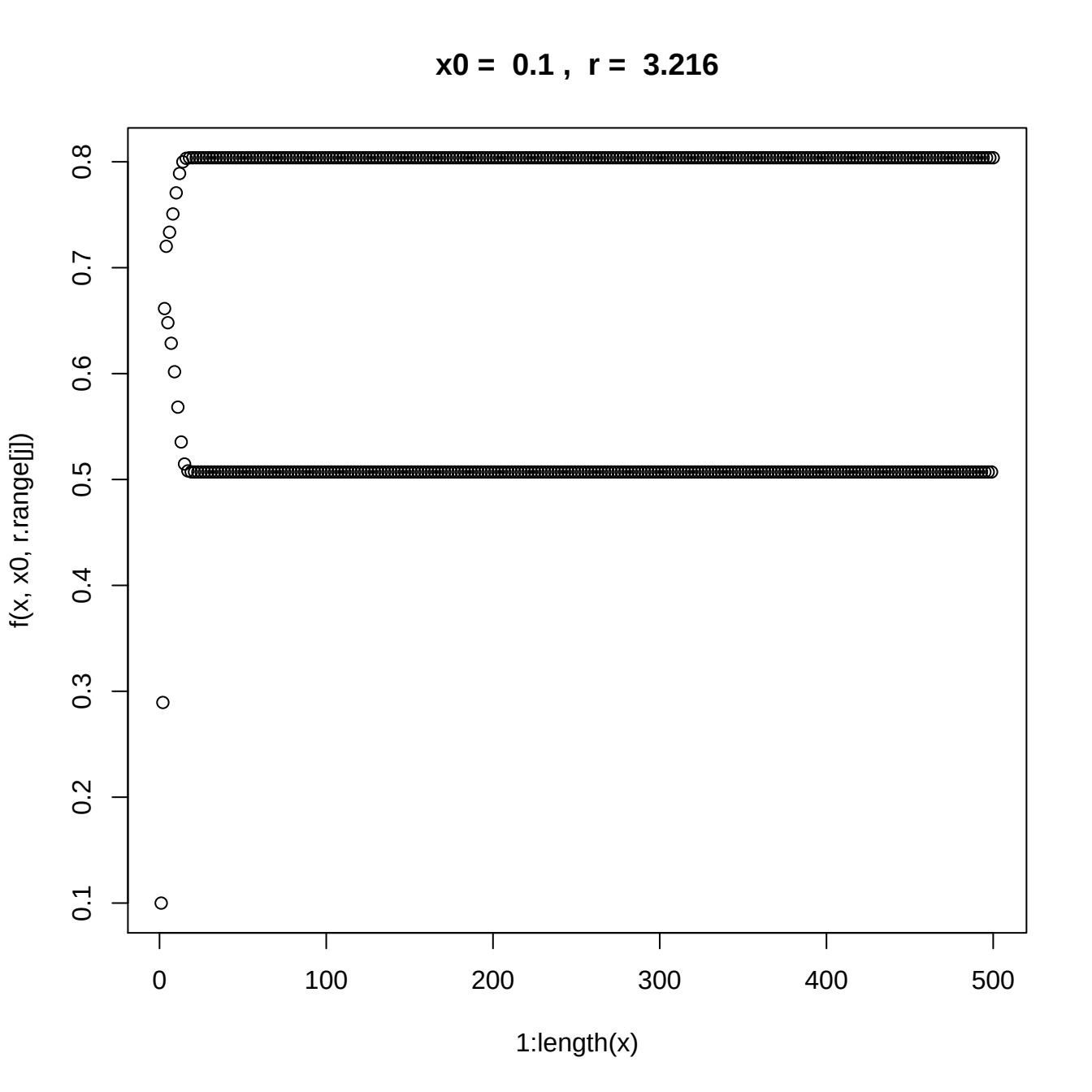

x0 = 0.1 , r = 3.206
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

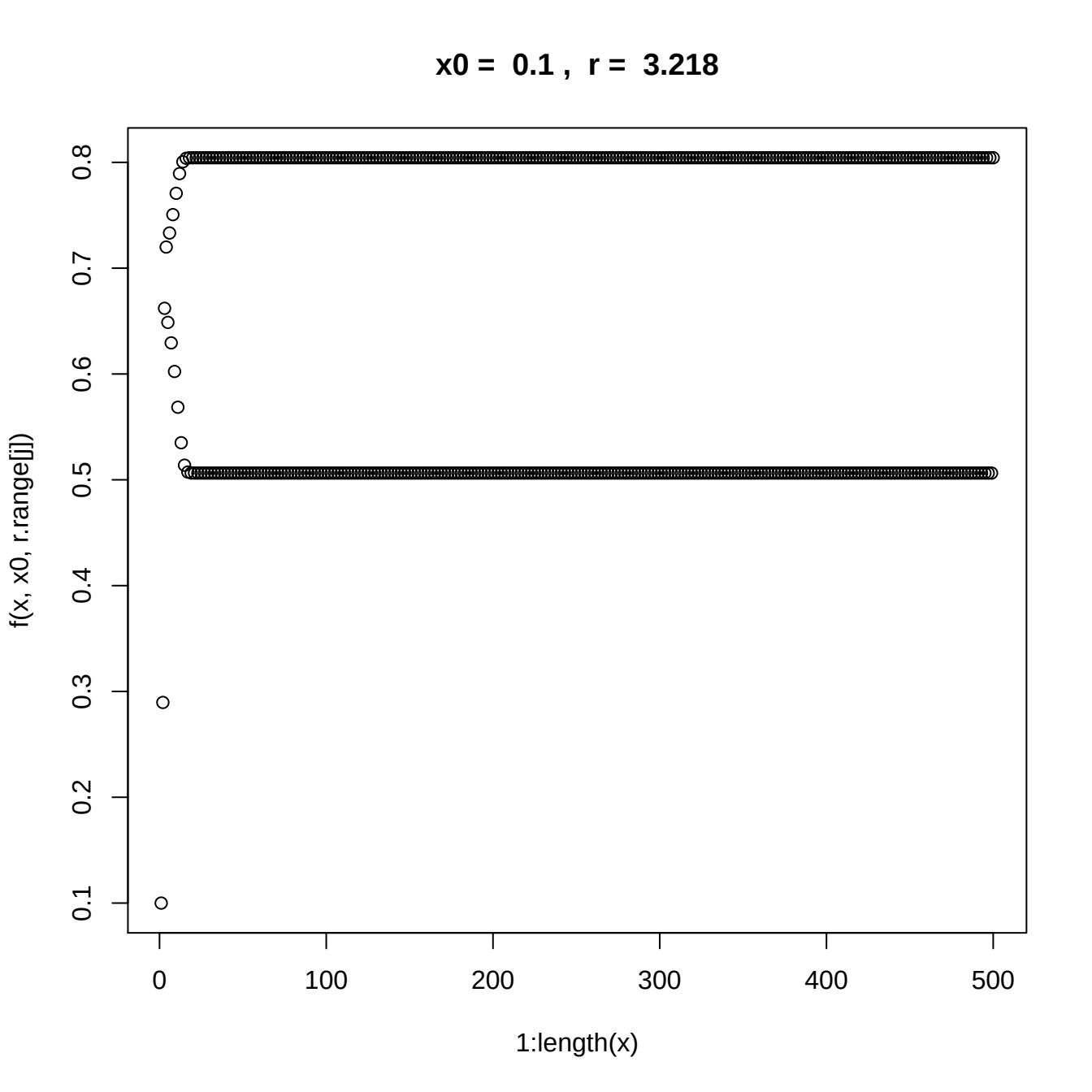

x0 = 0.1 , r = 3.208
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

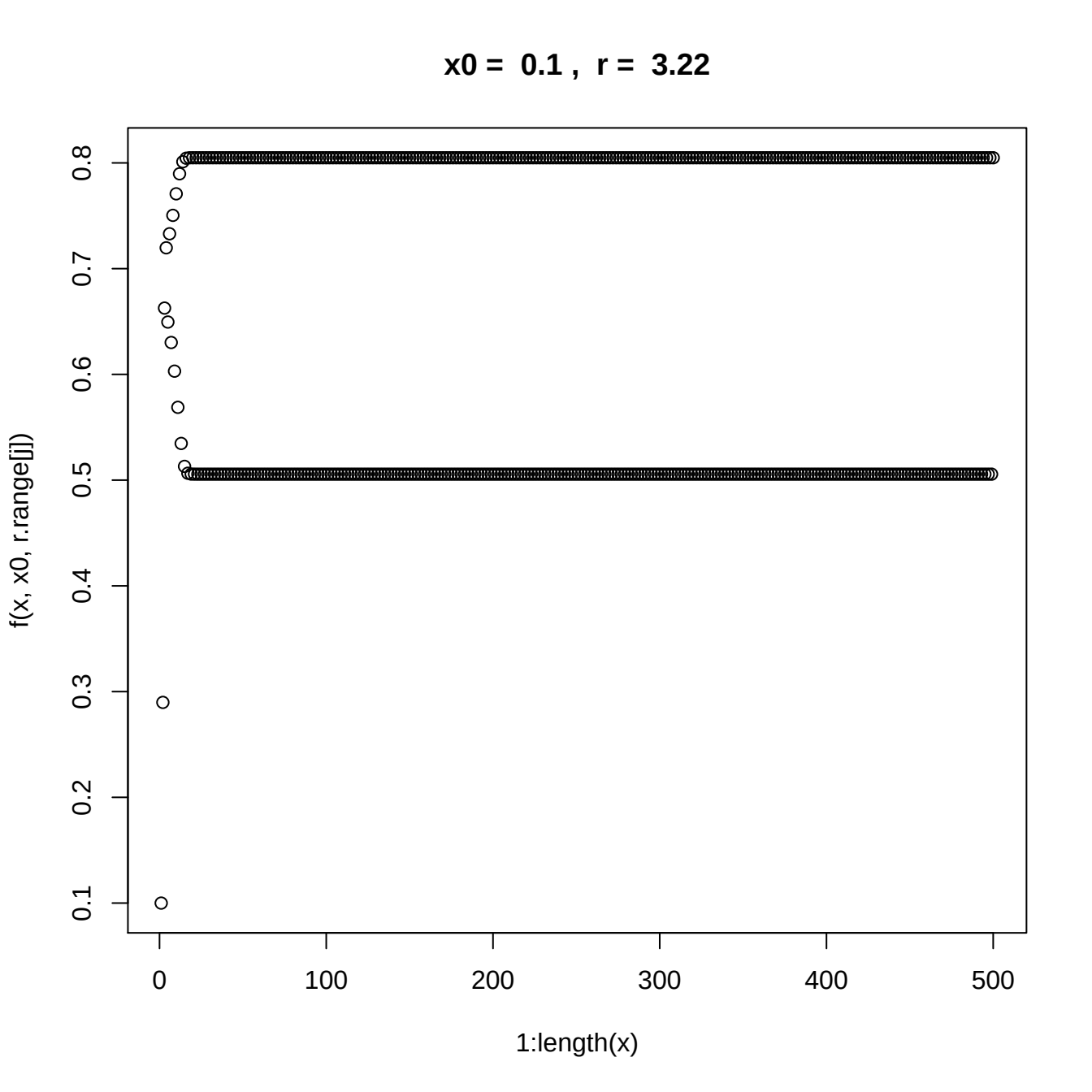

x0 = 0.1 , r = 3.21
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

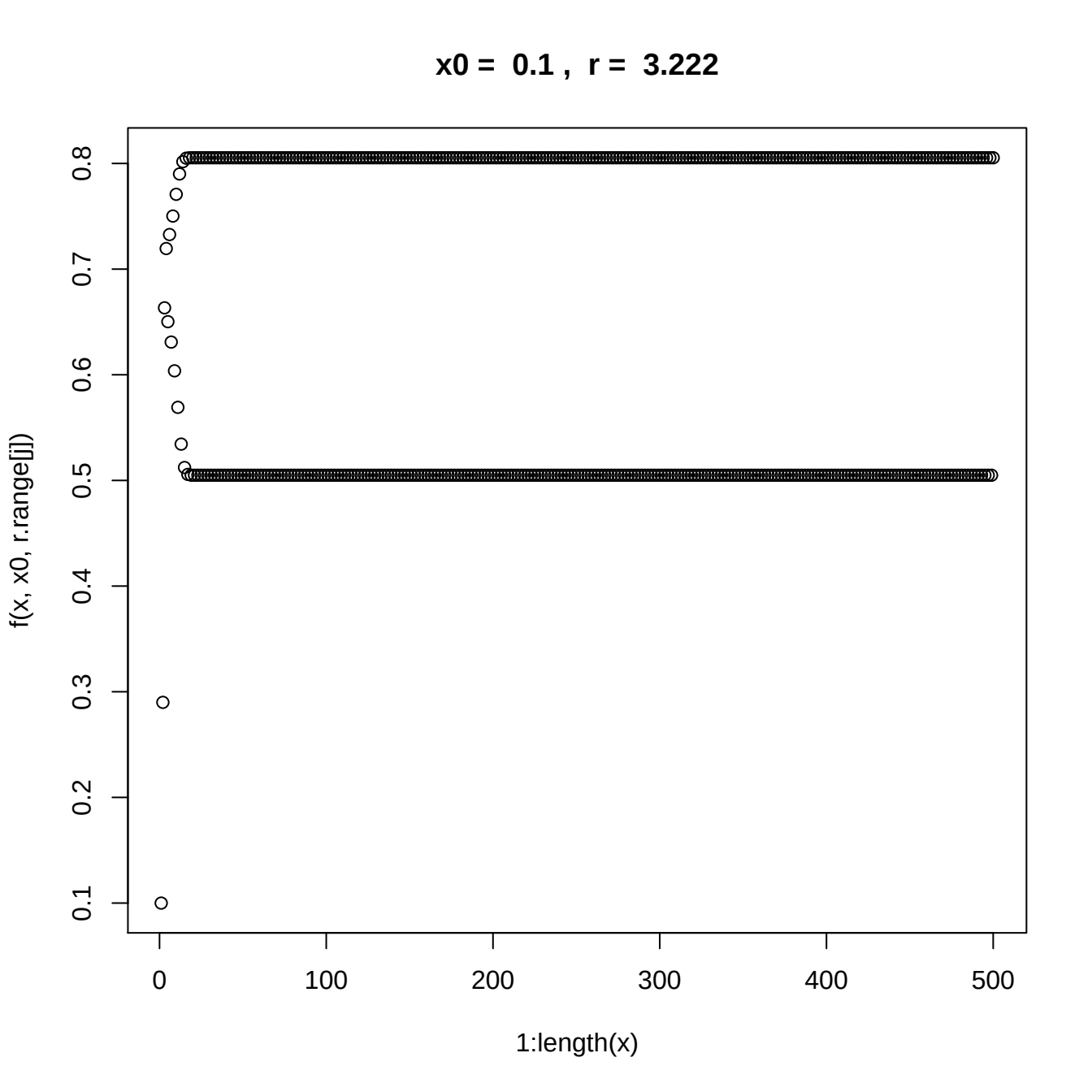

x0 = 0.1 , r = 3.212
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

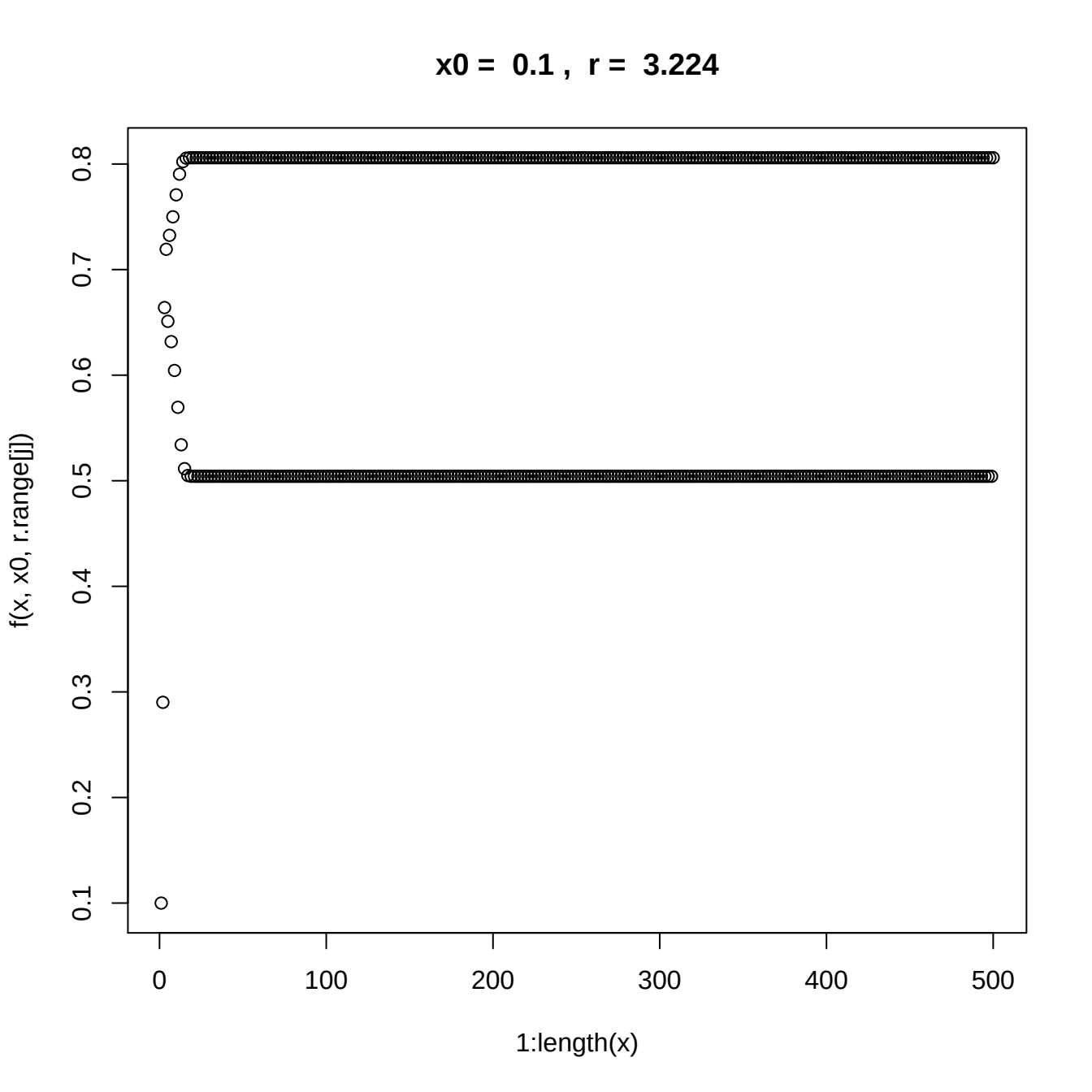

x0 = 0.1 , r = 3.214
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

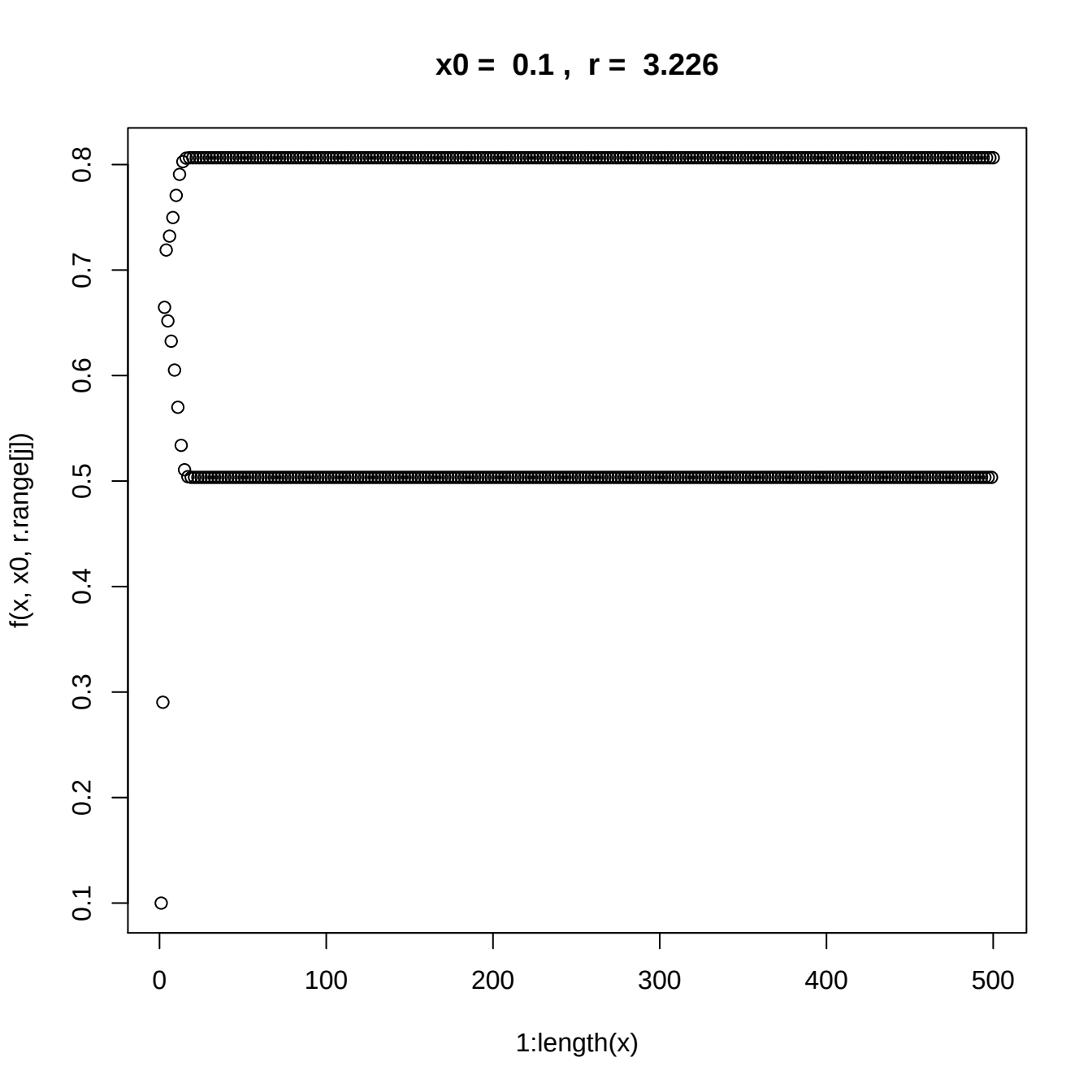

x0 = 0.1 , r = 3.216
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

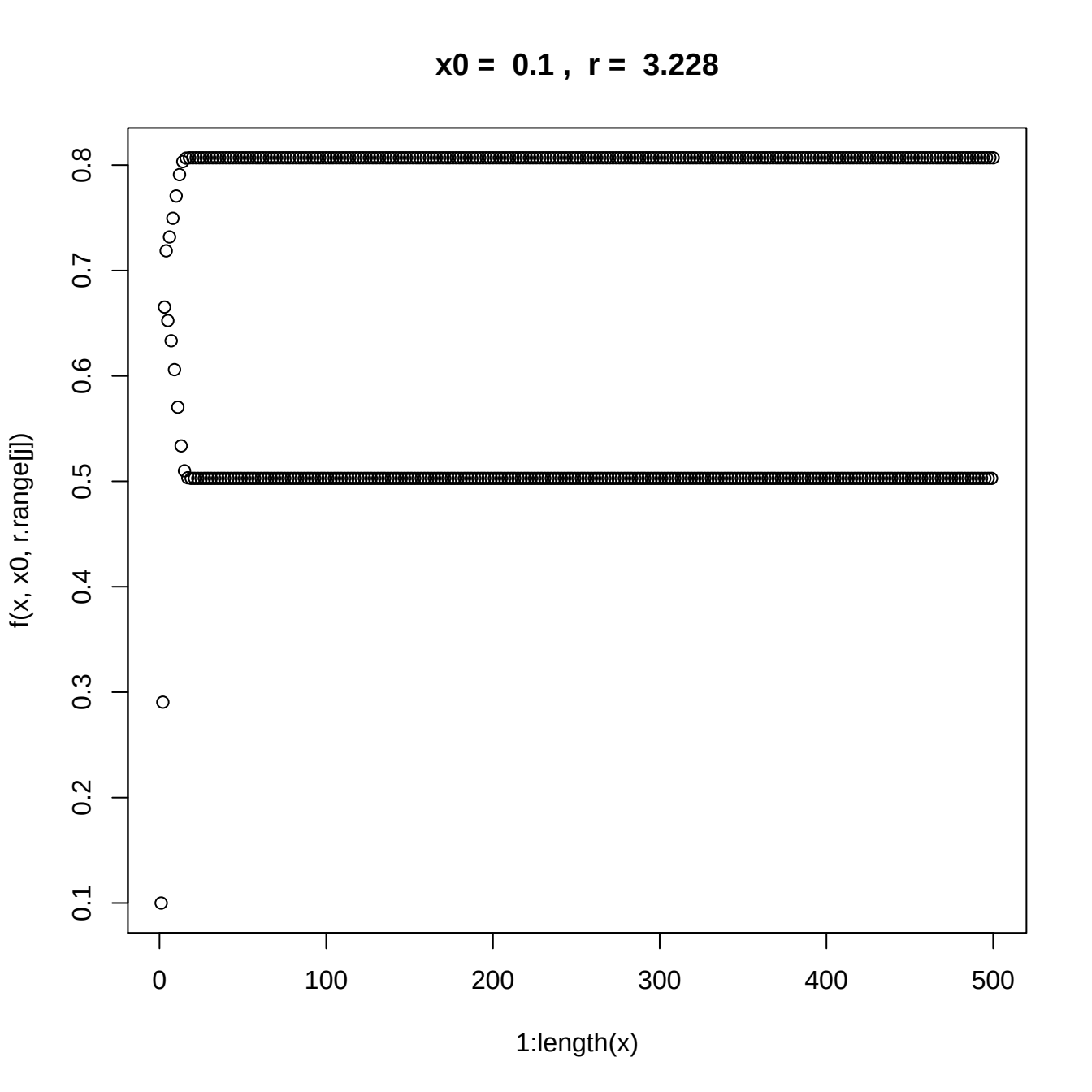

x0 = 0.1 , r = 3.218
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

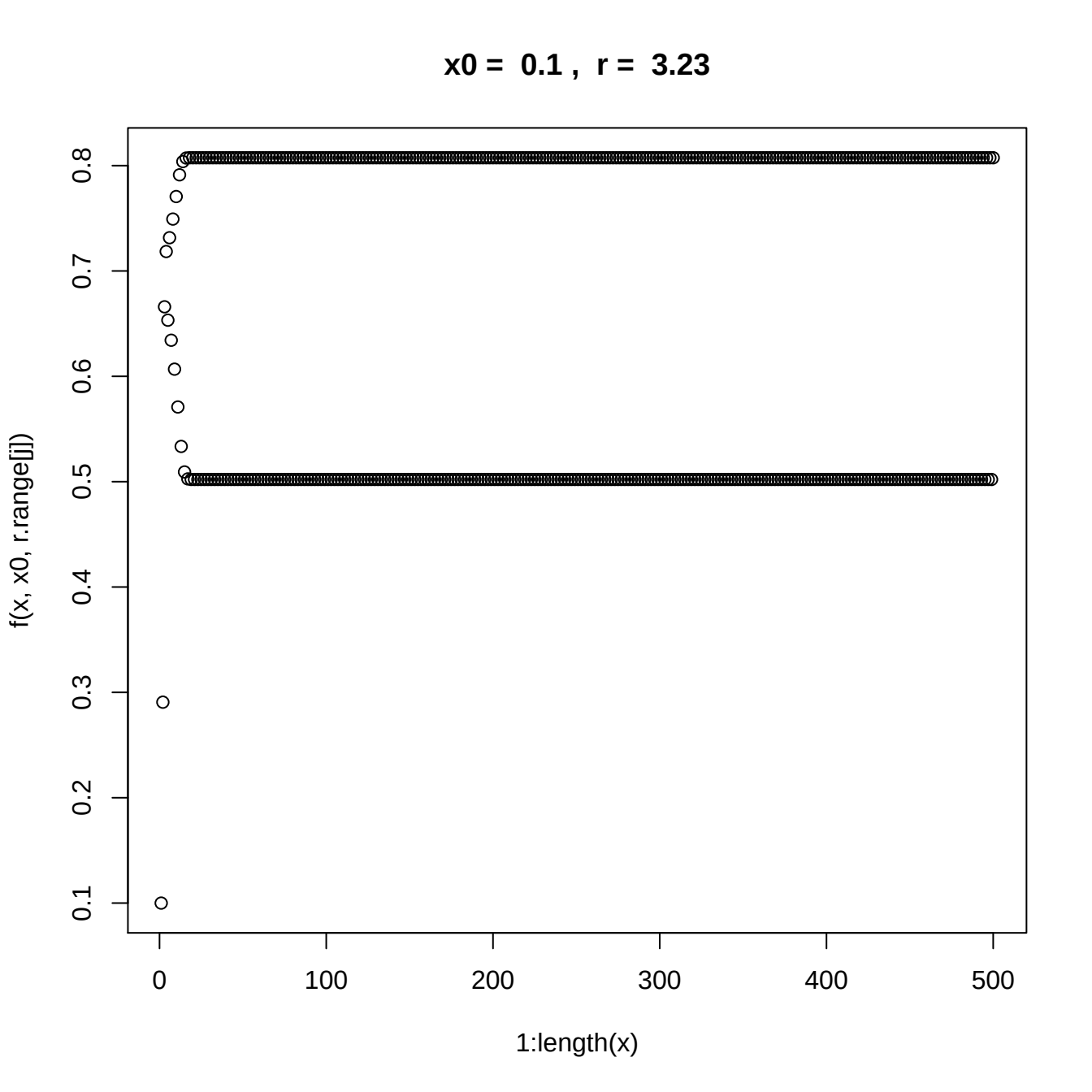

x0 = 0.1 , r = 3.22
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

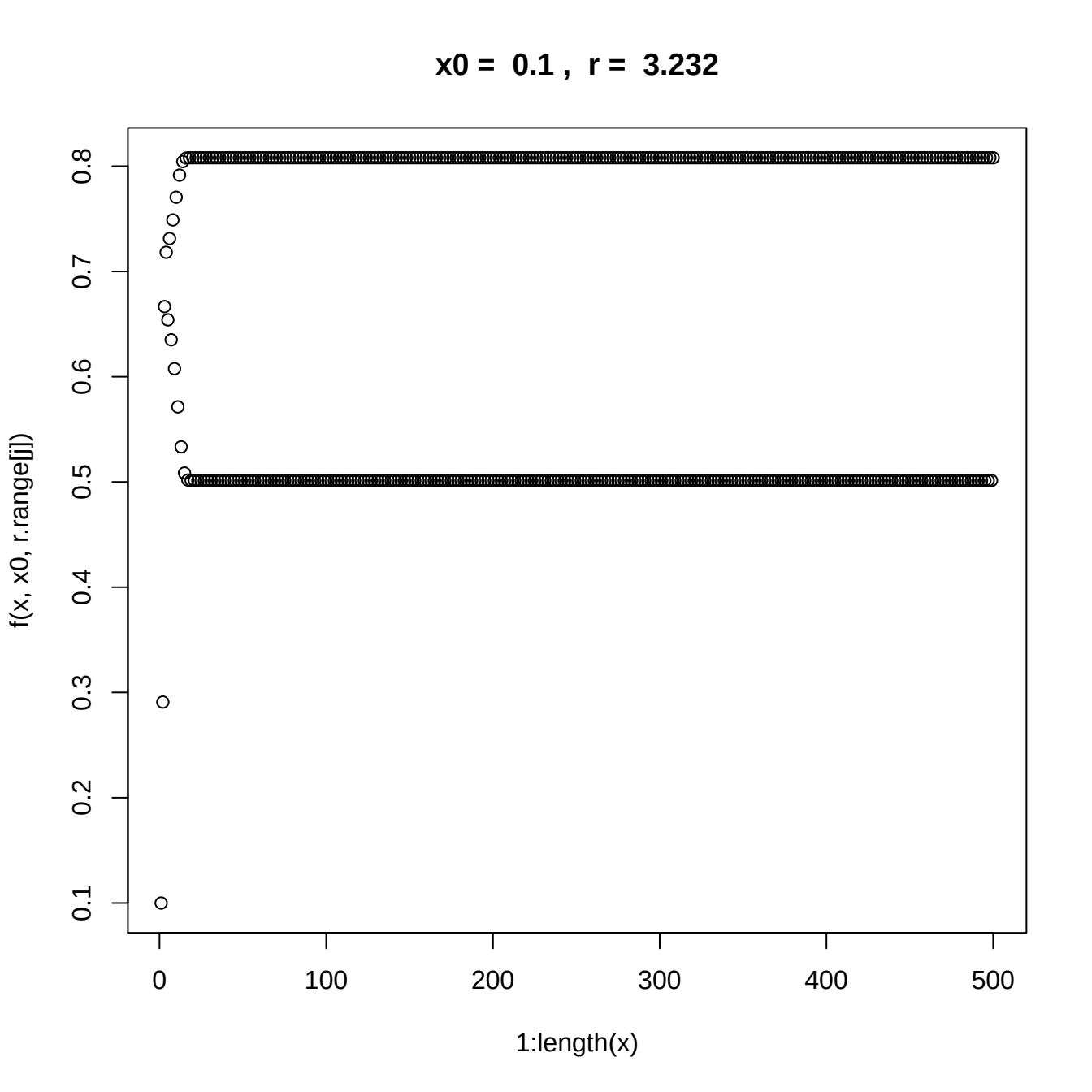

x0 = 0.1 , r = 3.222
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

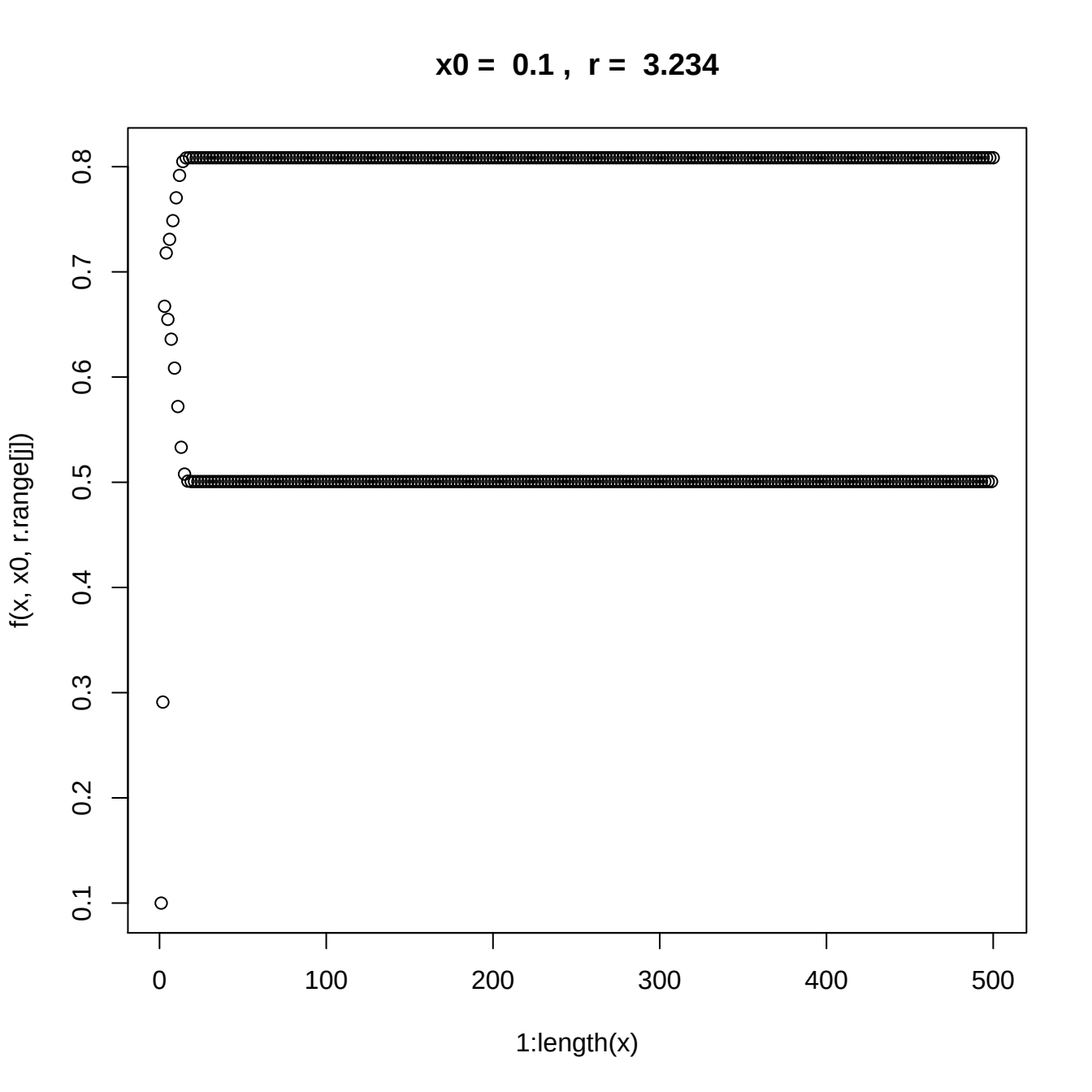

x0 = 0.1 , r = 3.224
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

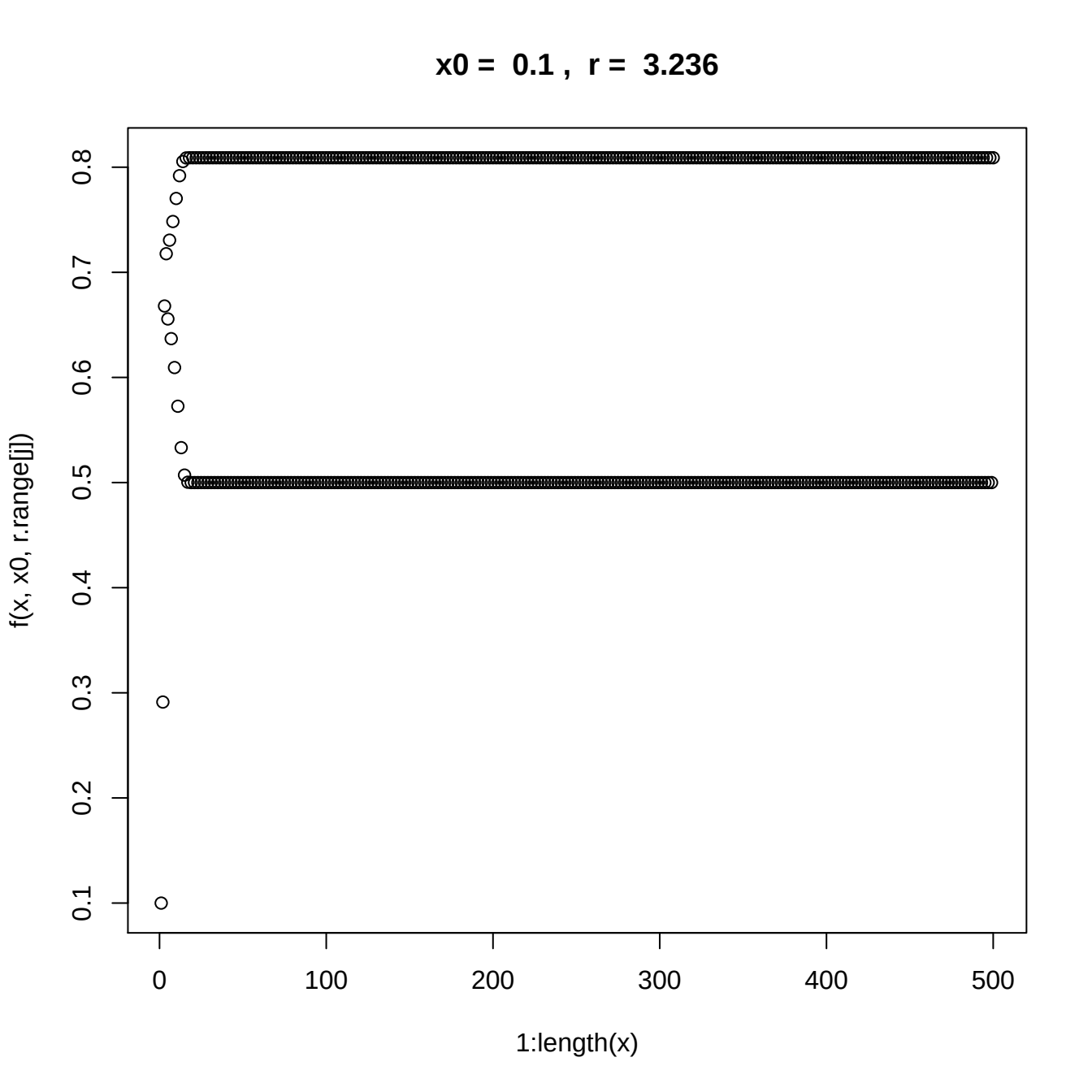

x0 = 0.1 , r = 3.226
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

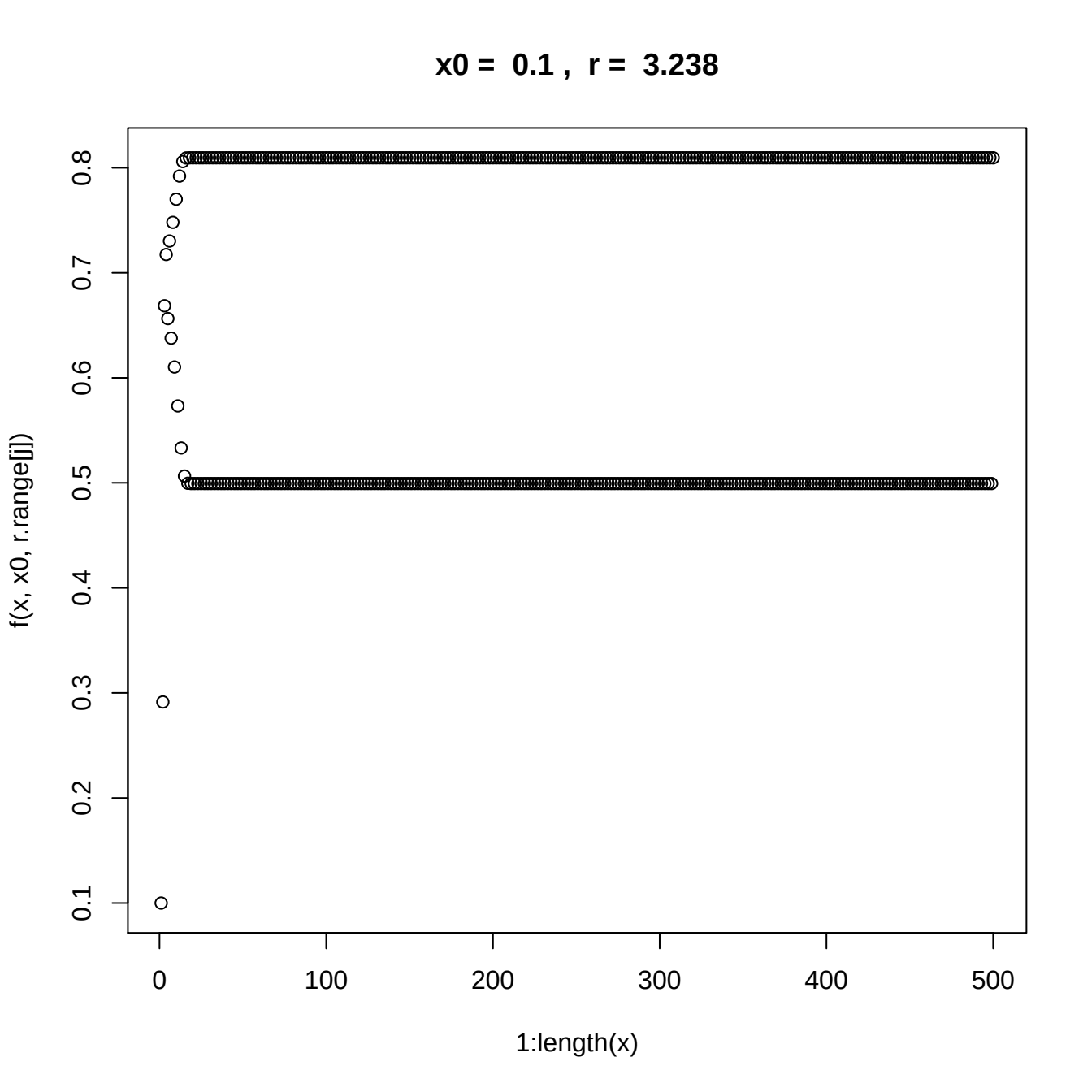

x0 = 0.1 , r = 3.228
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

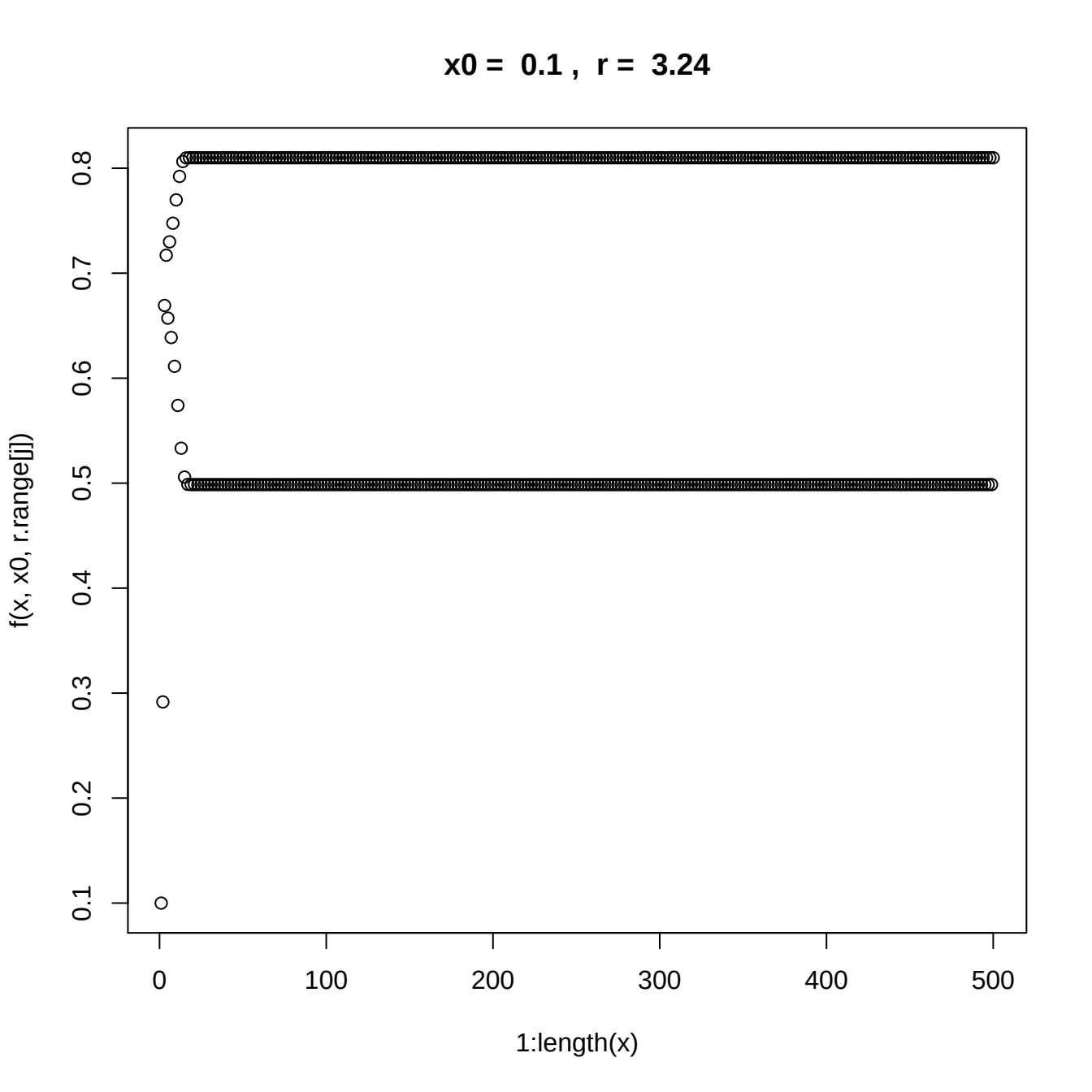

x0 = 0.1 , r = 3.23
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

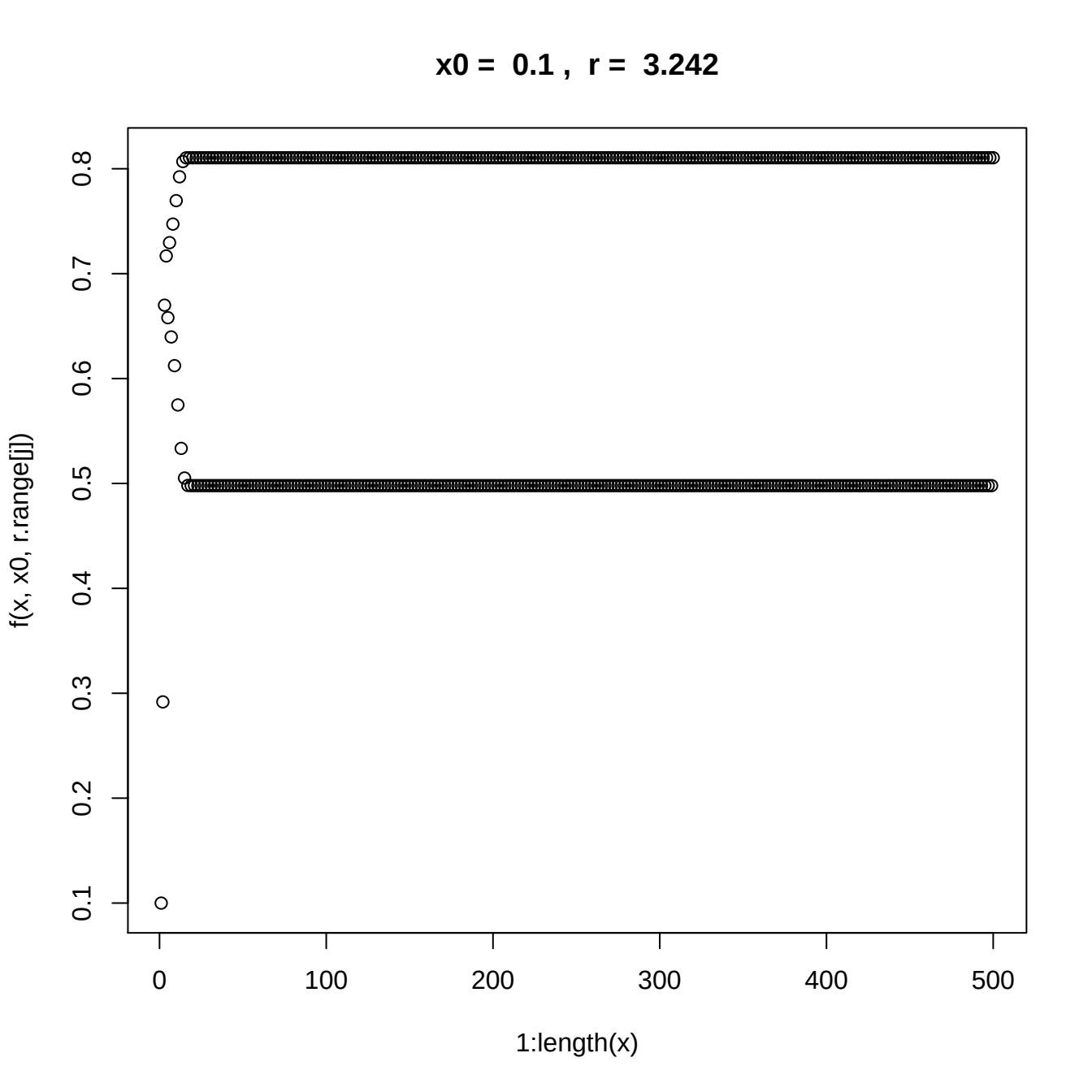

x0 = 0.1 , r = 3.232
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

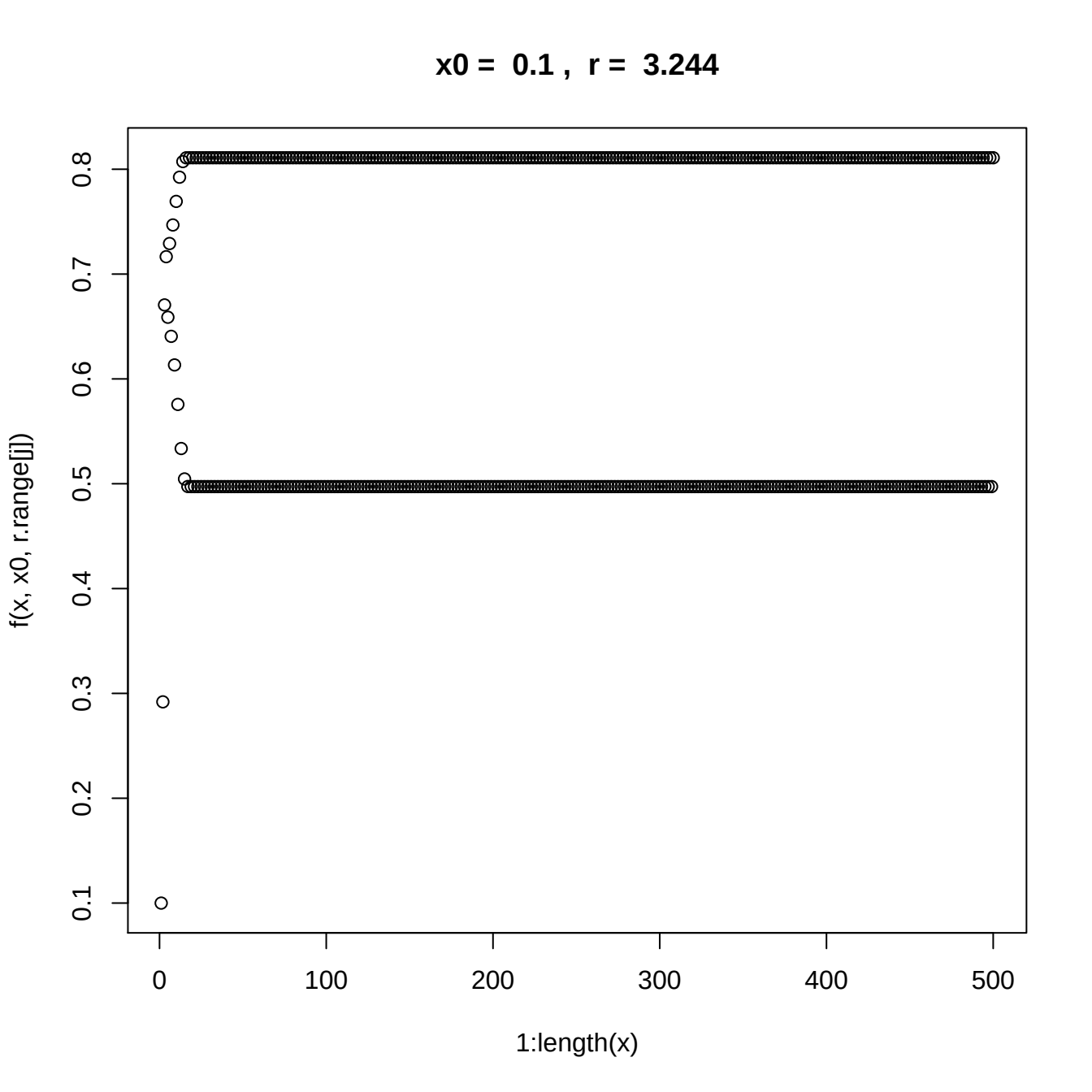

x0 = 0.1 , r = 3.234
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

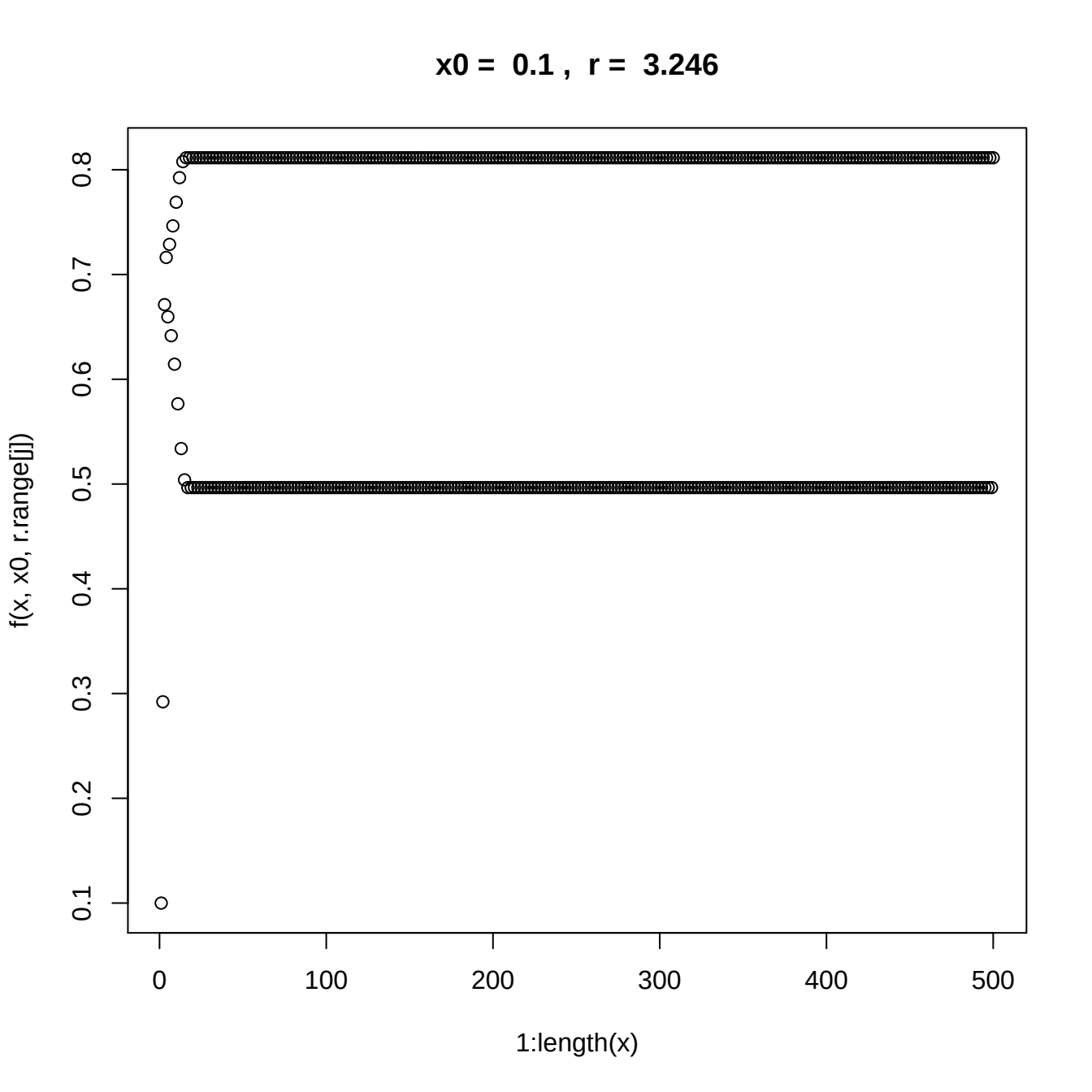

x0 = 0.1 , r = 3.236
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

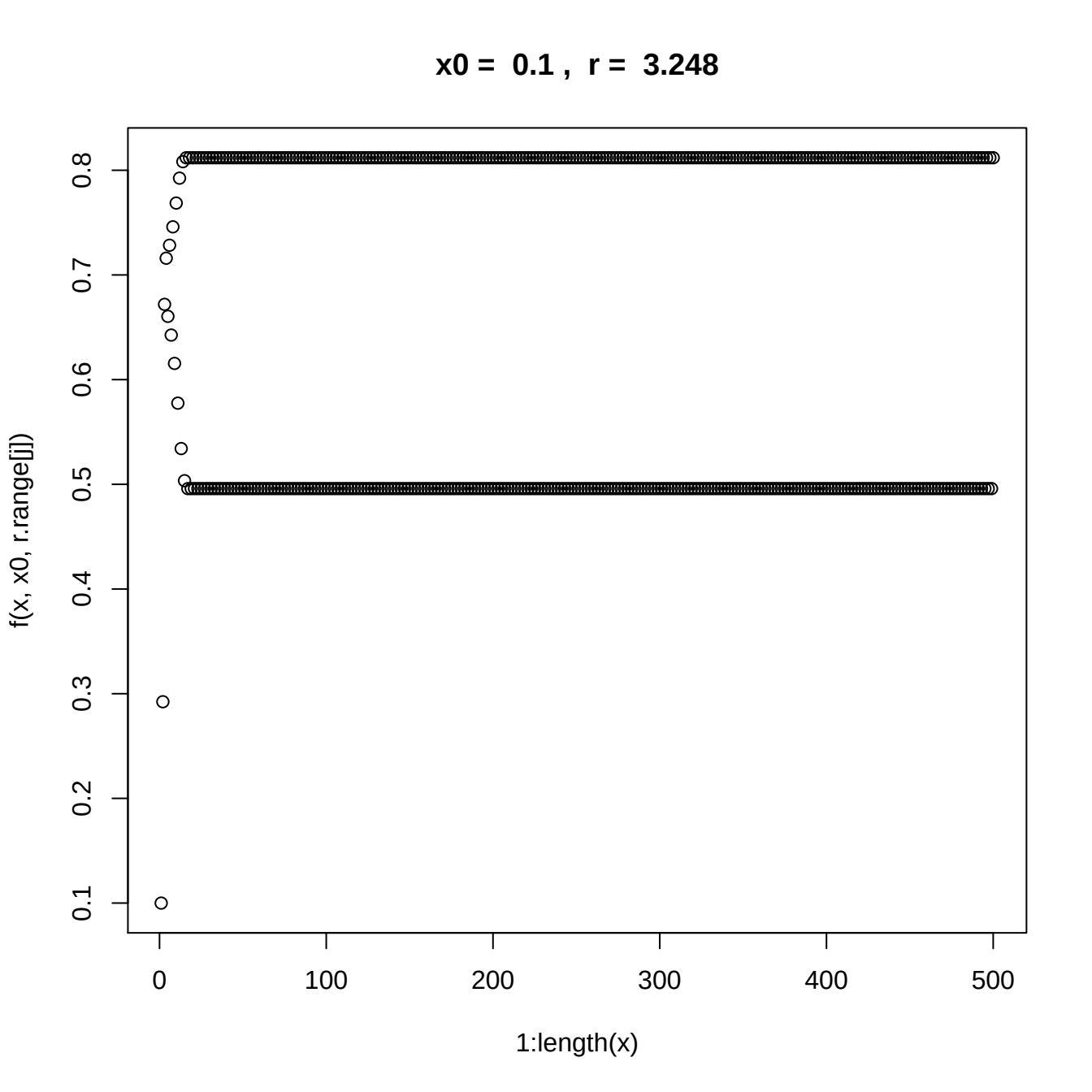

x0 = 0.1 , r = 3.238
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

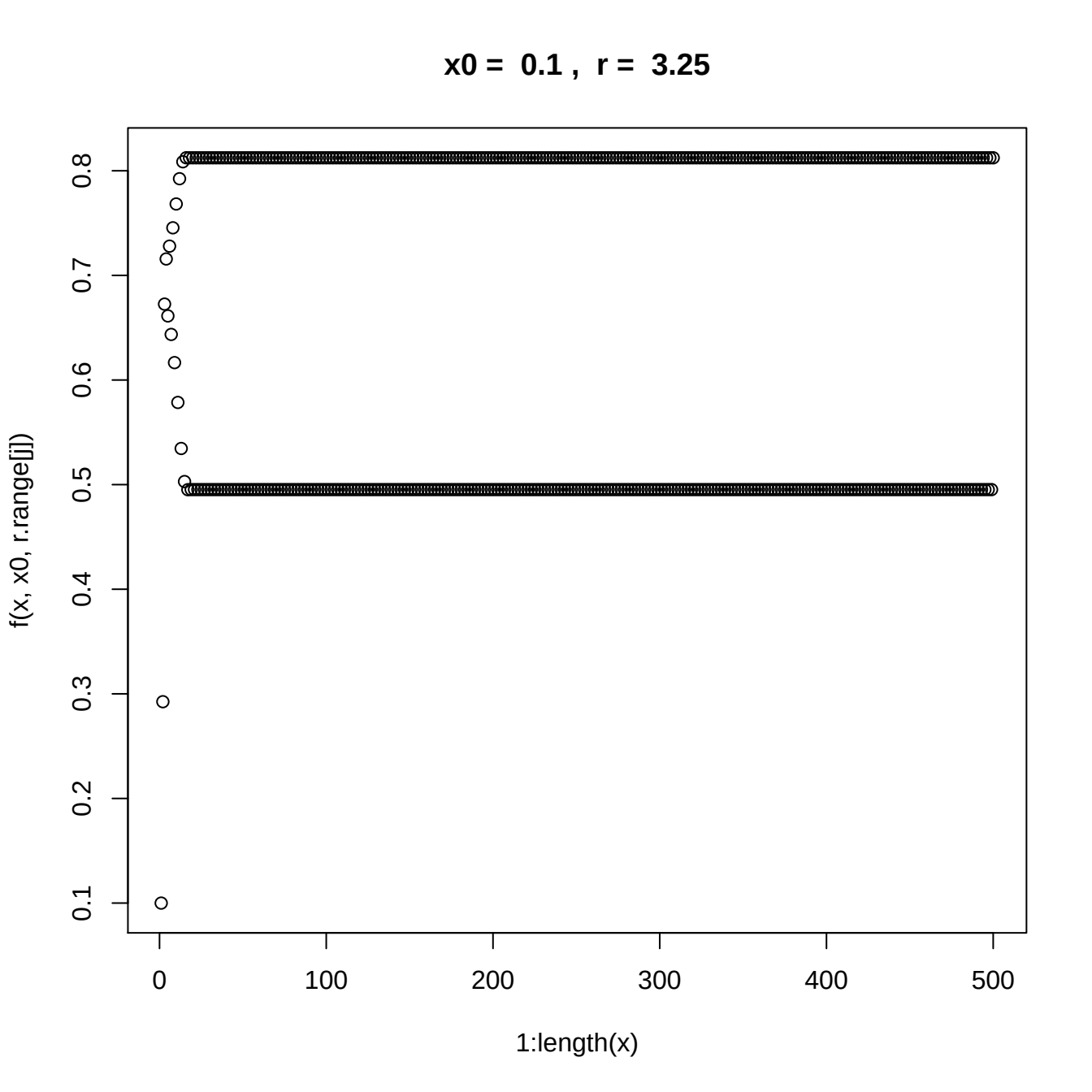

x0 = 0.1 , r = 3.24
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

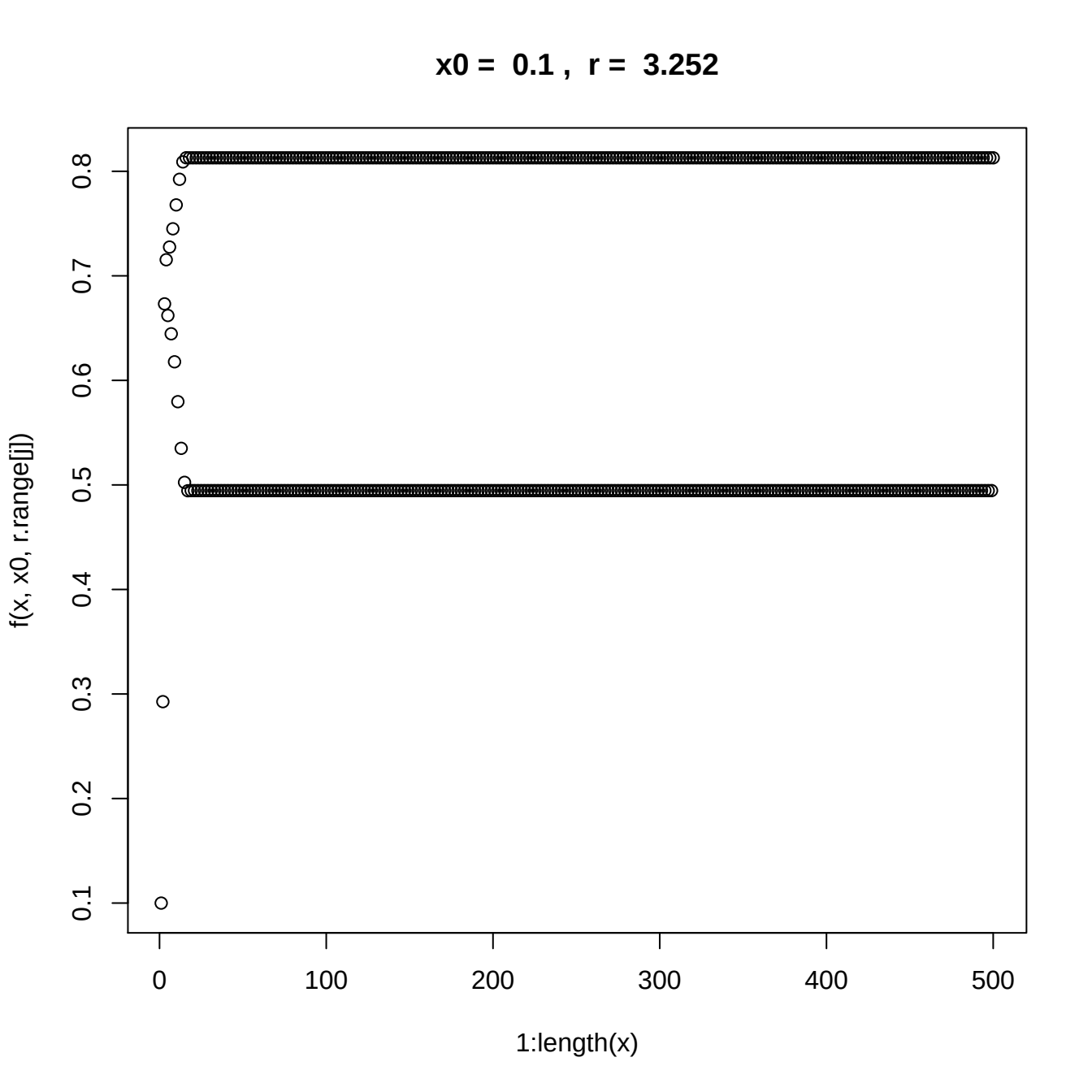

x0 = 0.1 , r = 3.242
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

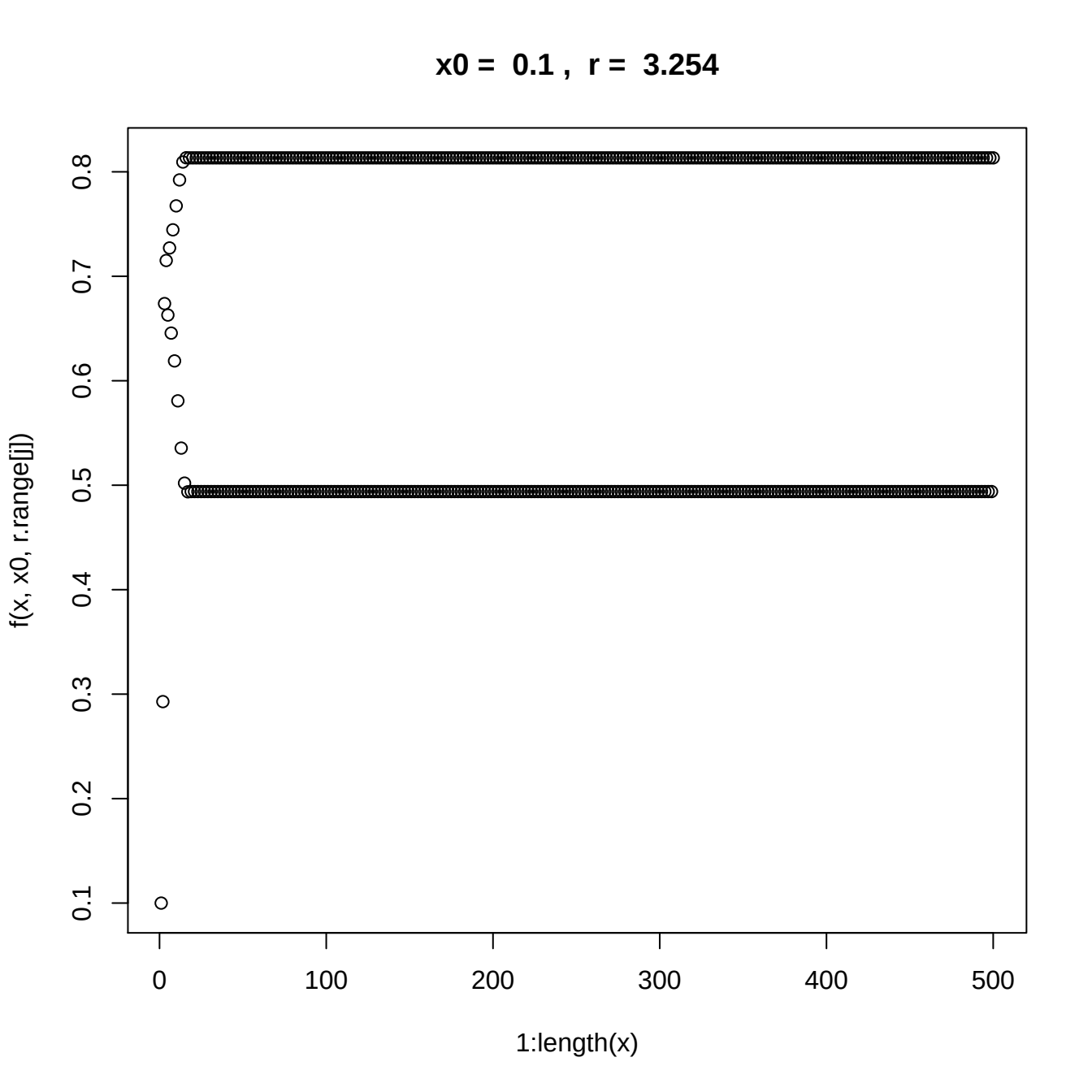

x0 = 0.1 , r = 3.244
f(x, x0, r.range[j])
1:length(x)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500

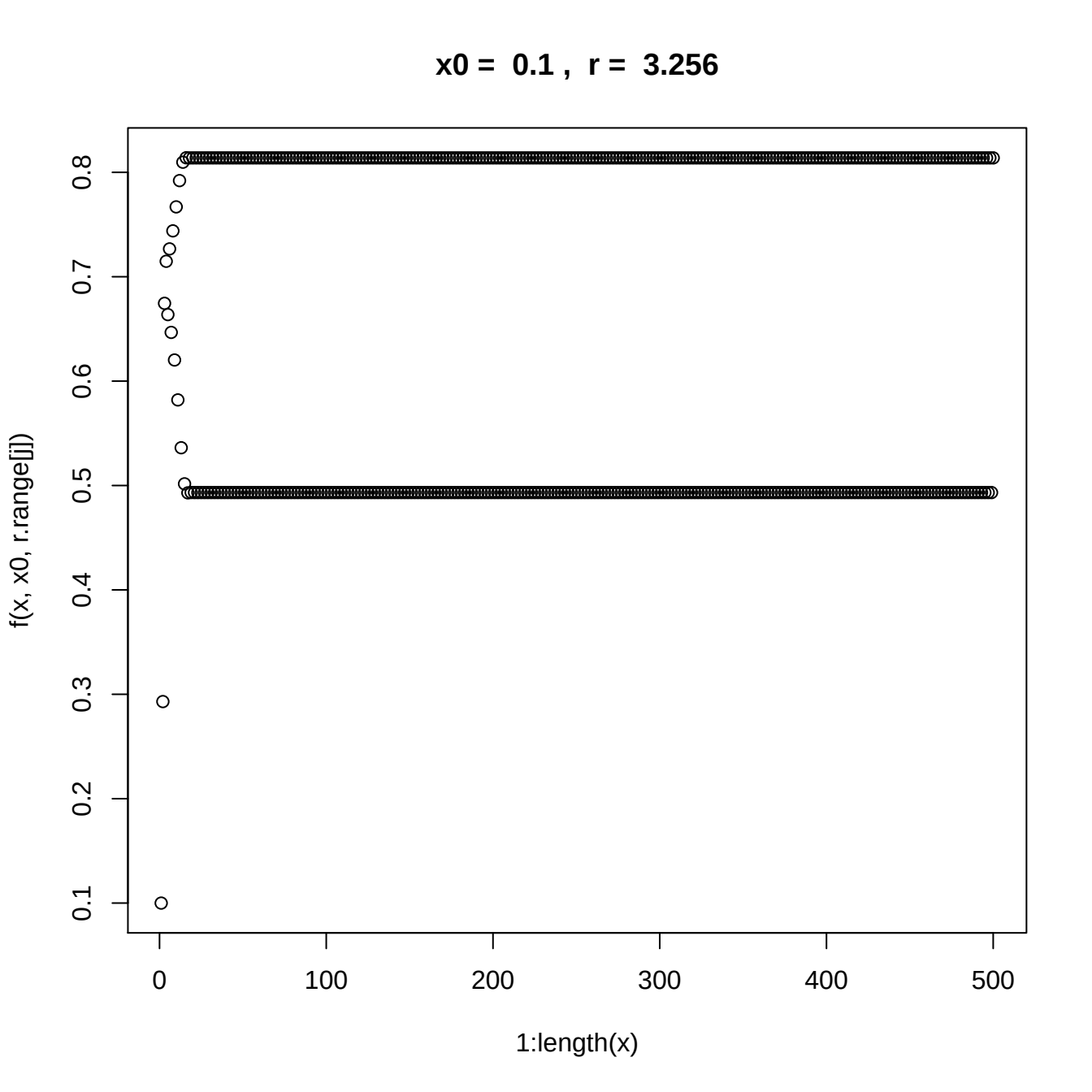

x0 = 0.1 , r = 3.246
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

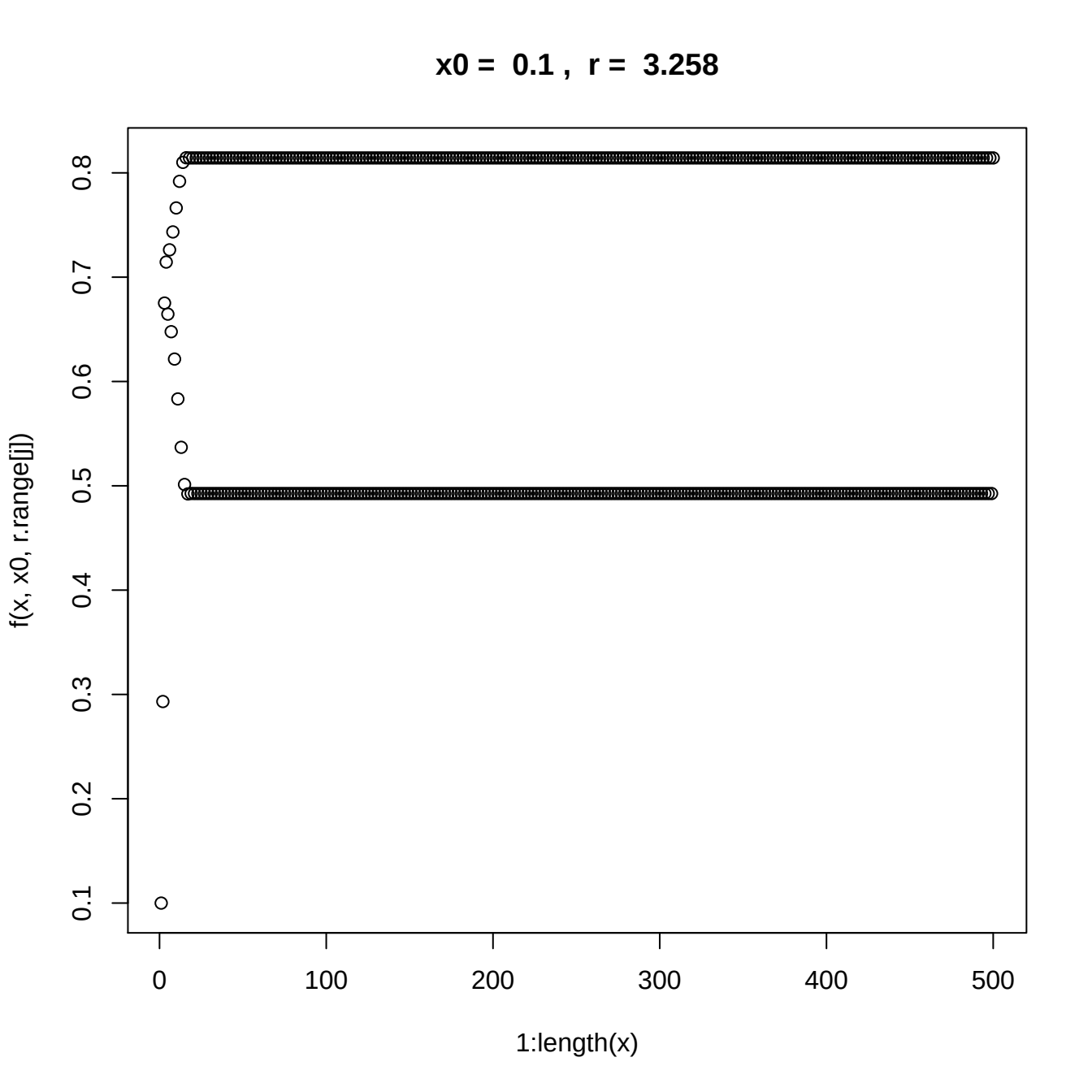

x0 = 0.1 , r = 3.248
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

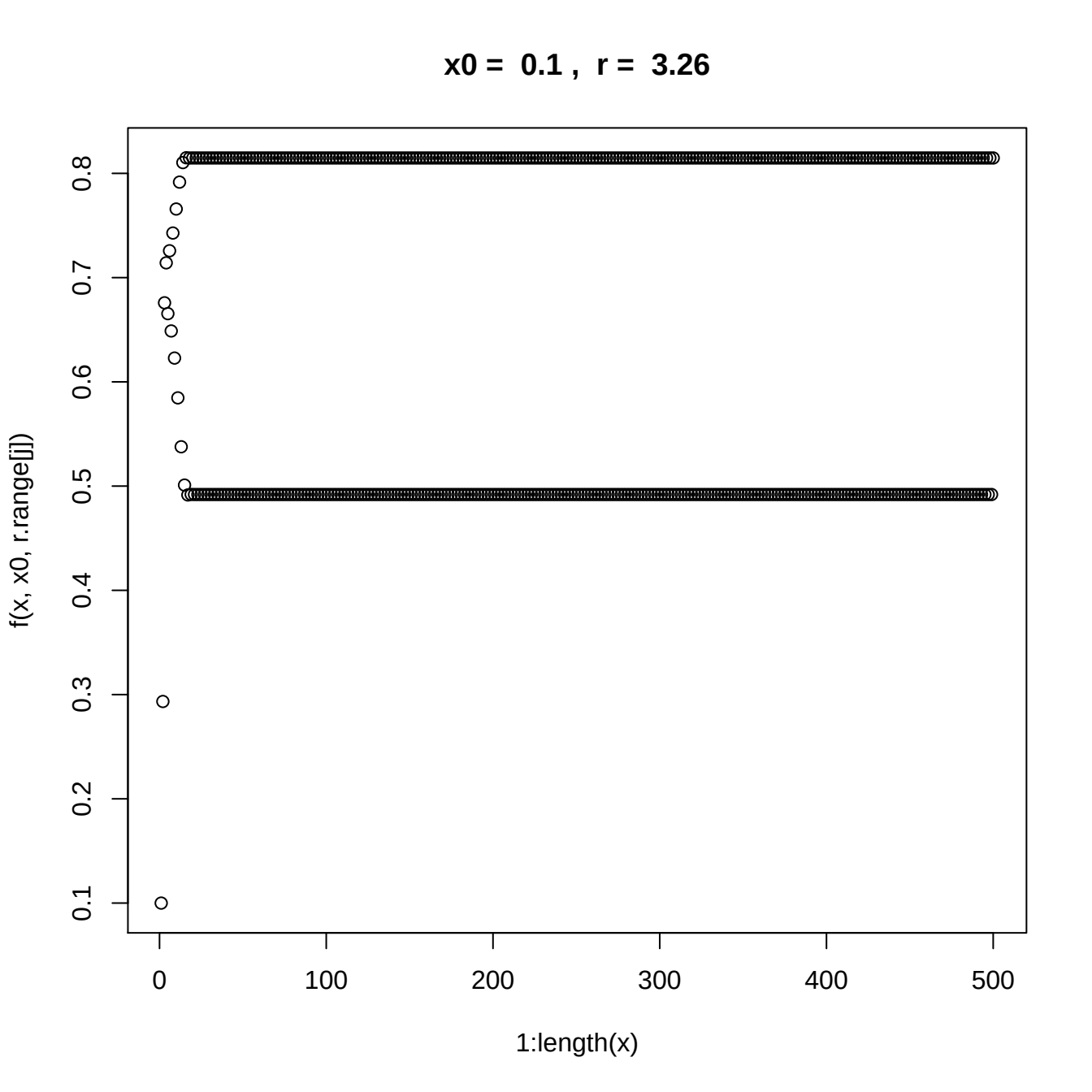

x0 = 0.1 , r = 3.25
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

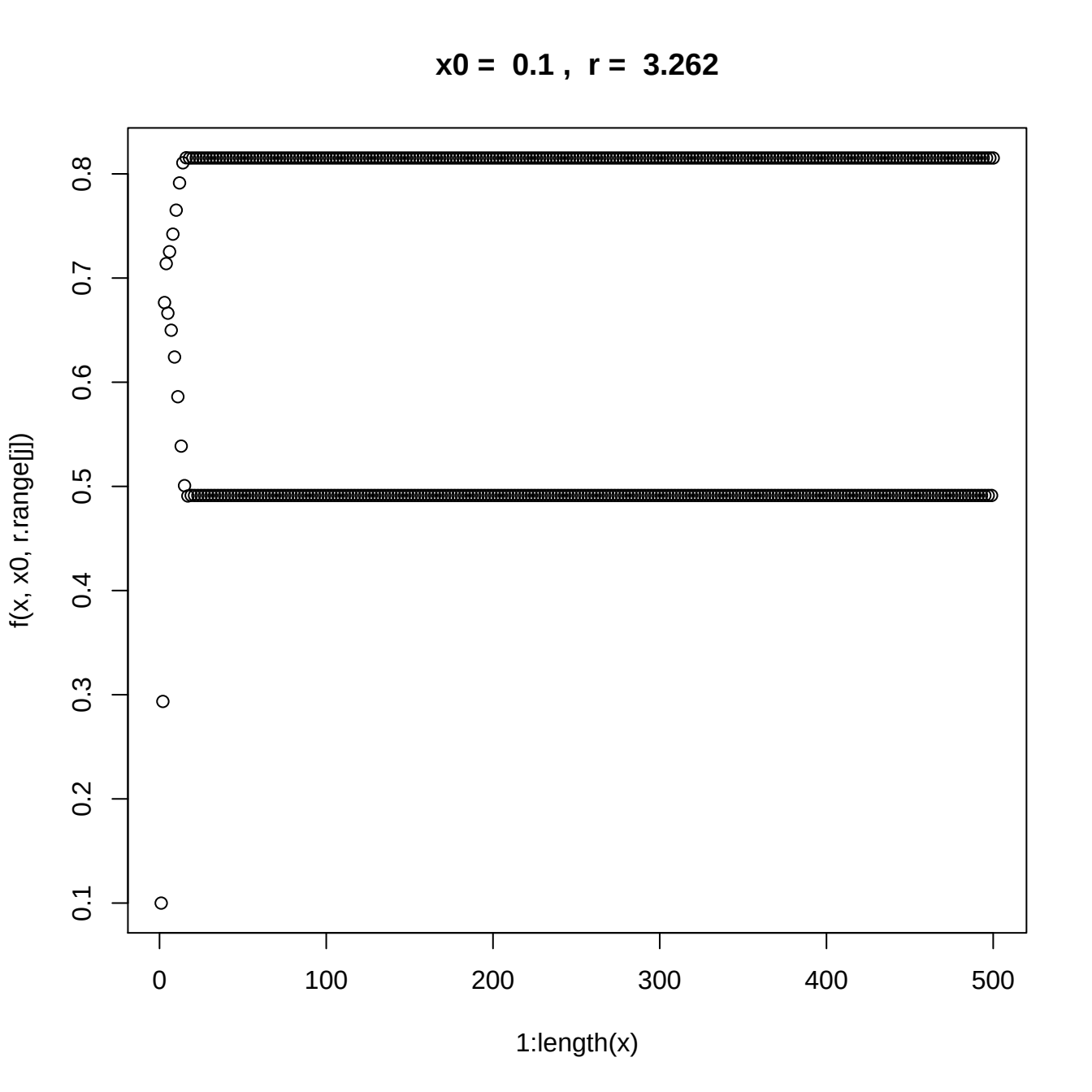

x0 = 0.1 , r = 3.252
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

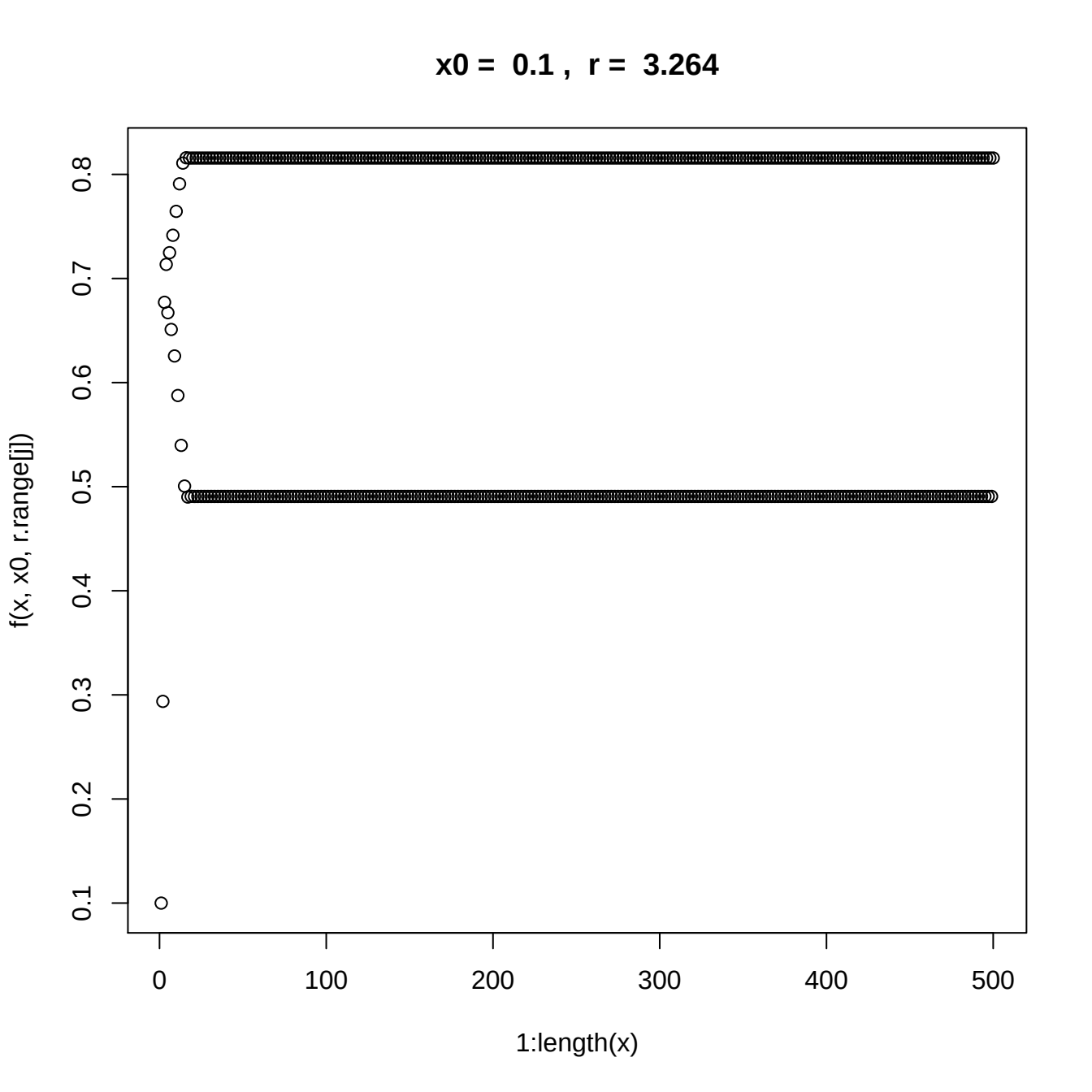

x0 = 0.1 , r = 3.254
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

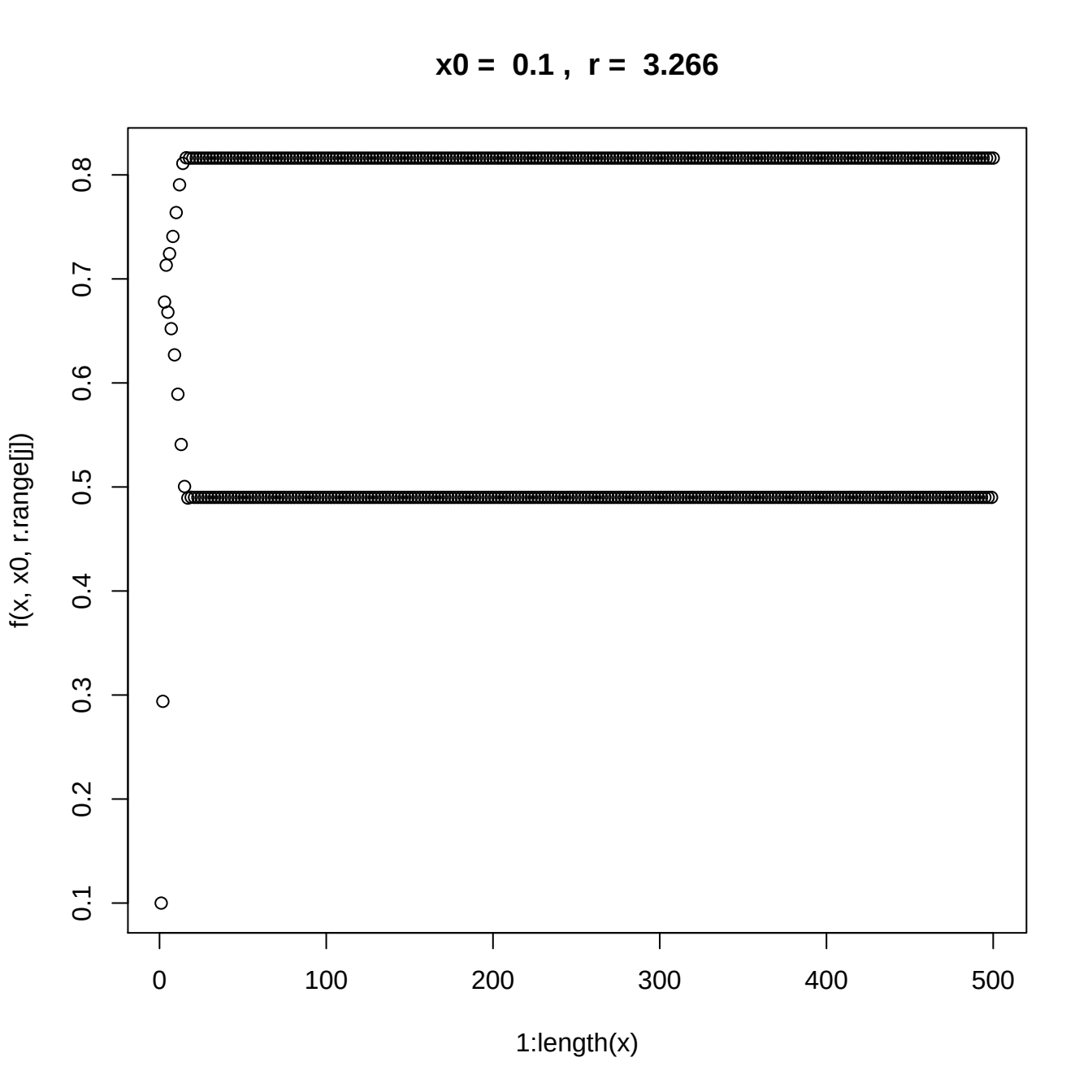

x0 = 0.1 , r = 3.256
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

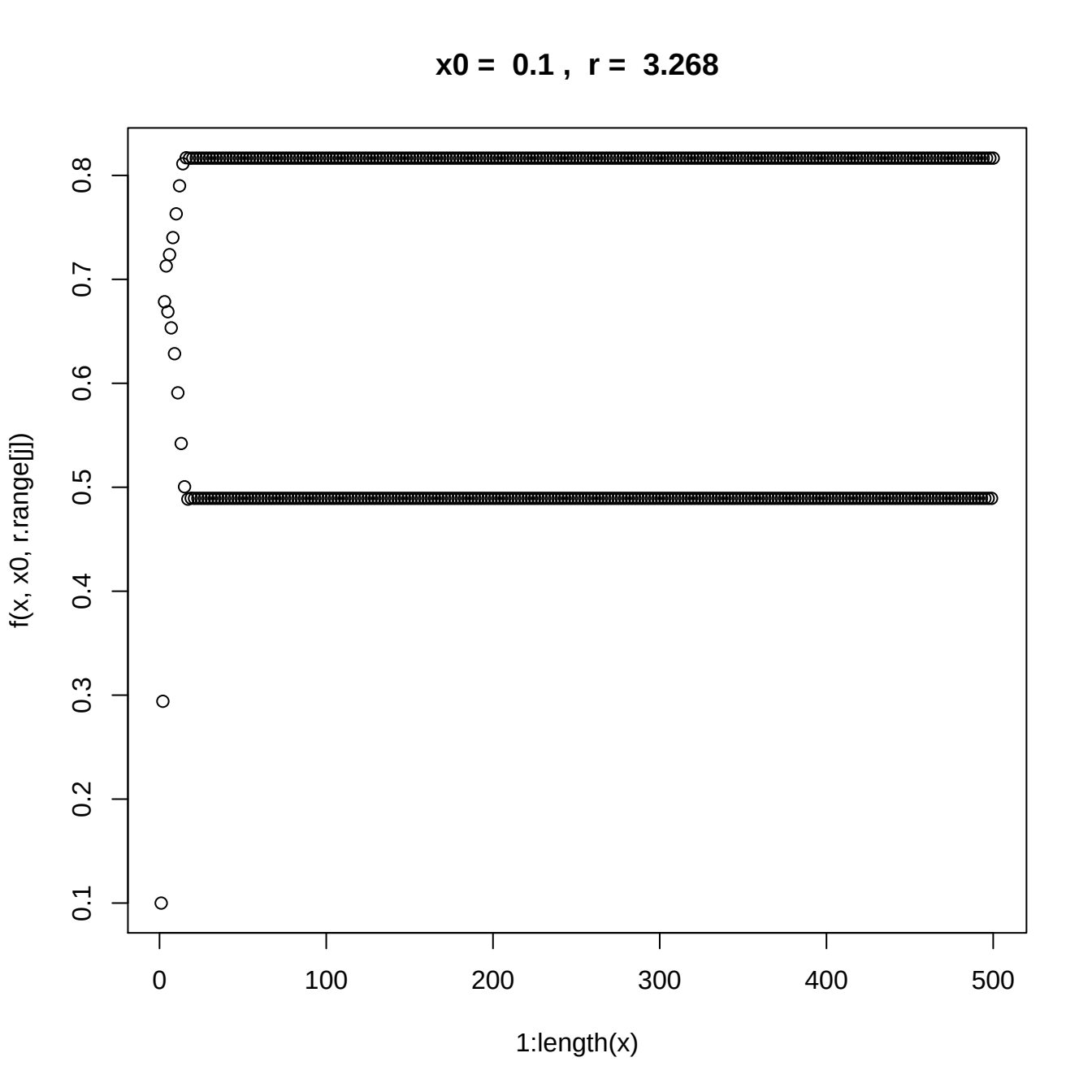

x0 = 0.1 , r = 3.258
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

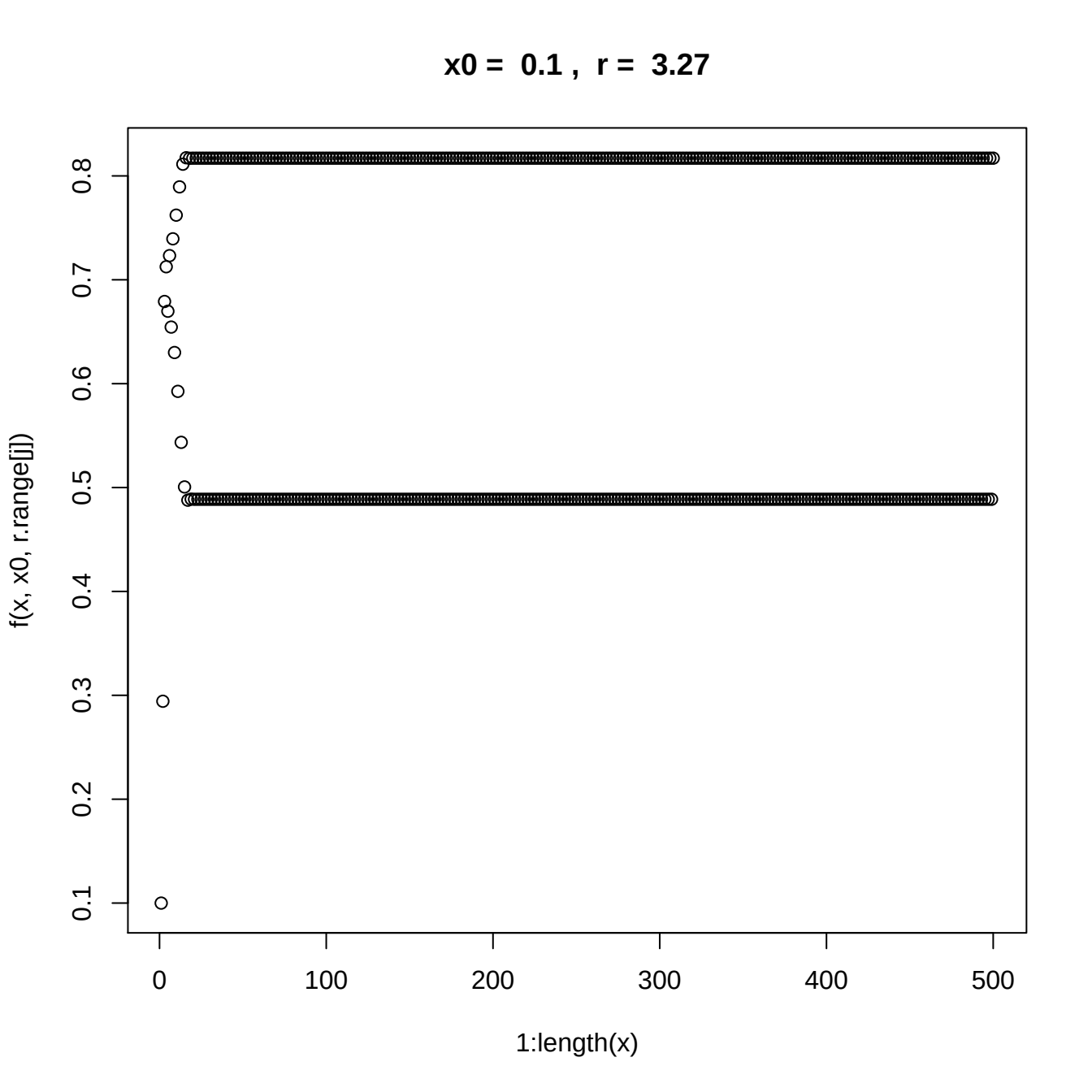

x0 = 0.1 , r = 3.26
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

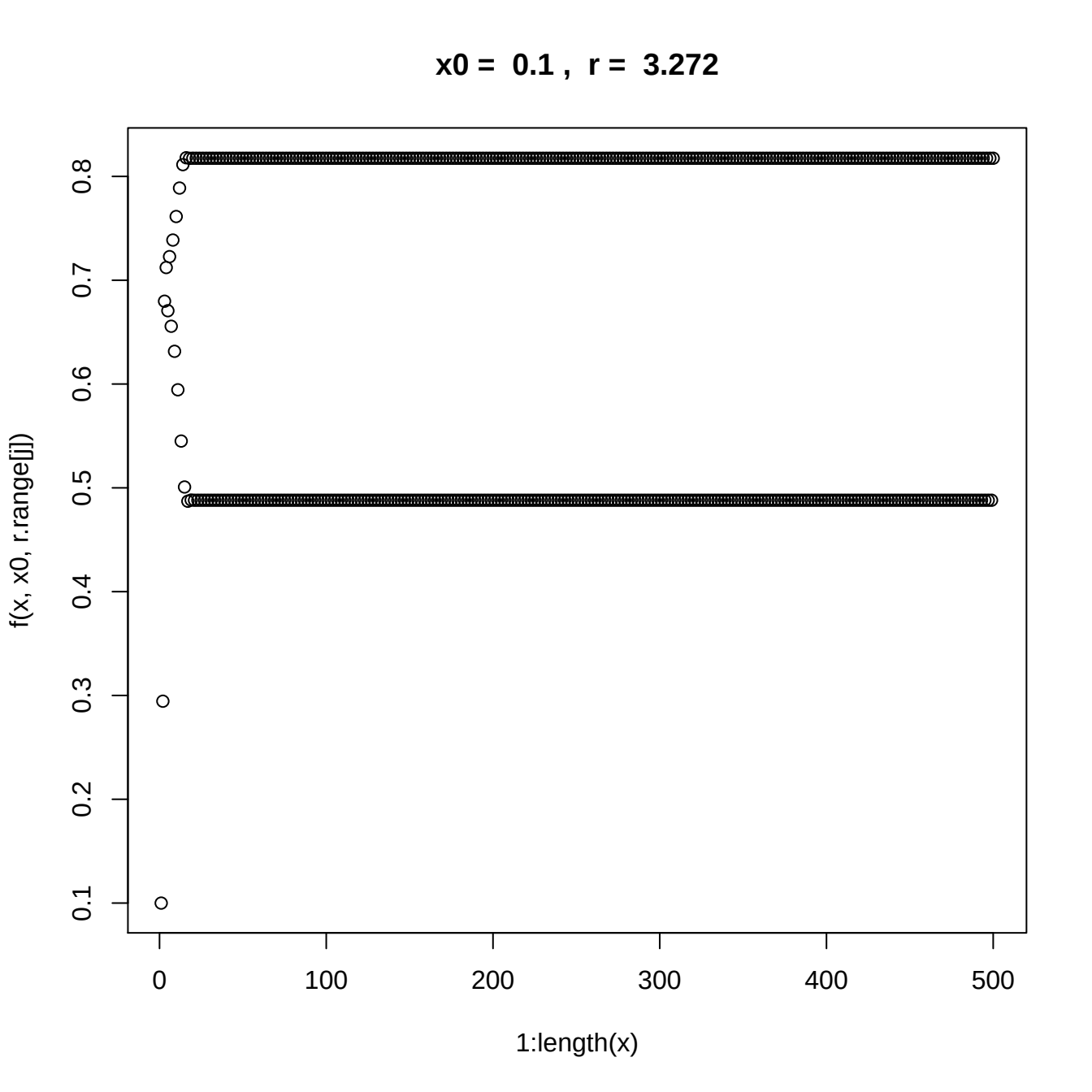

x0 = 0.1 , r = 3.262
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

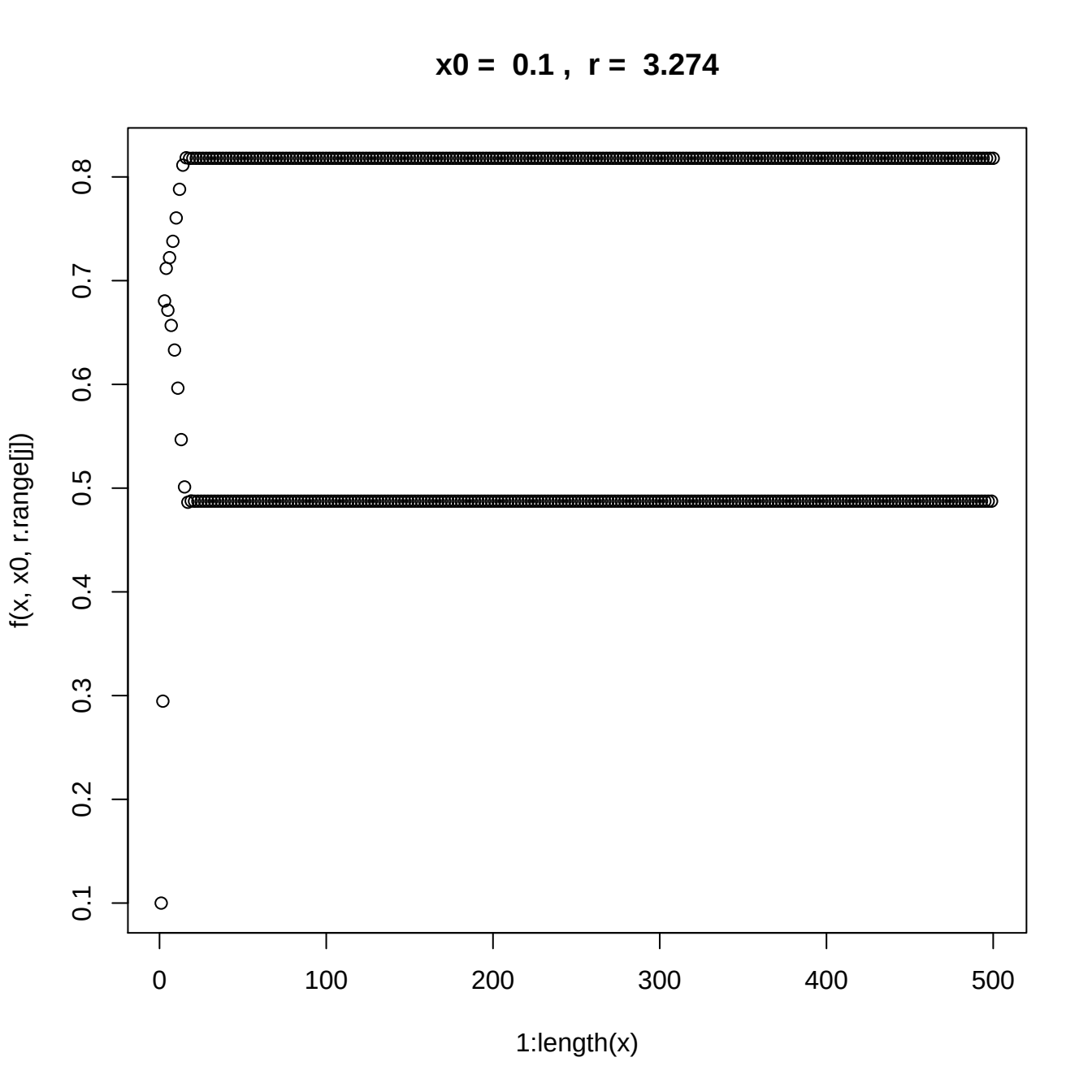

x0 = 0.1 , r = 3.264
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

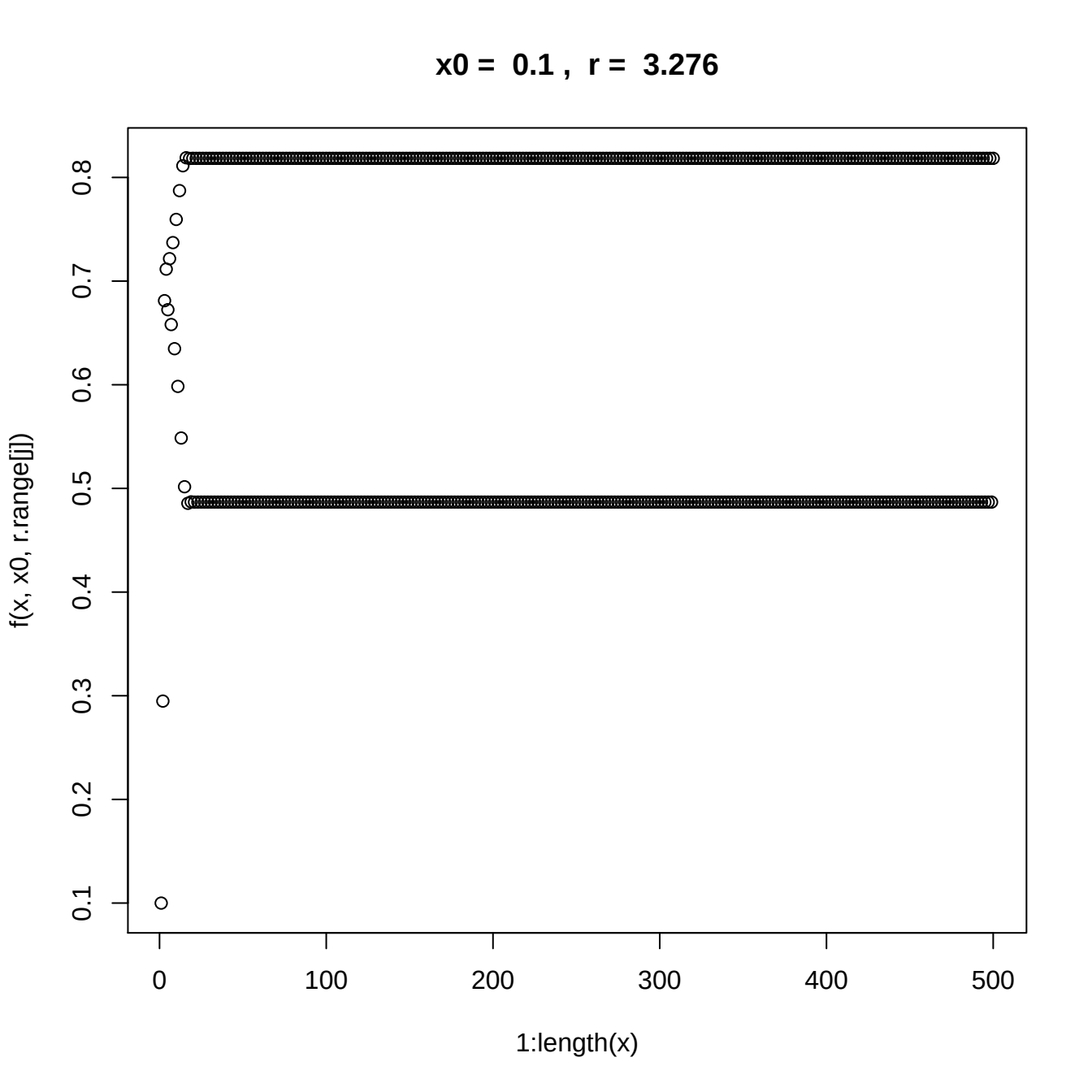

x0 = 0.1 , r = 3.266
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

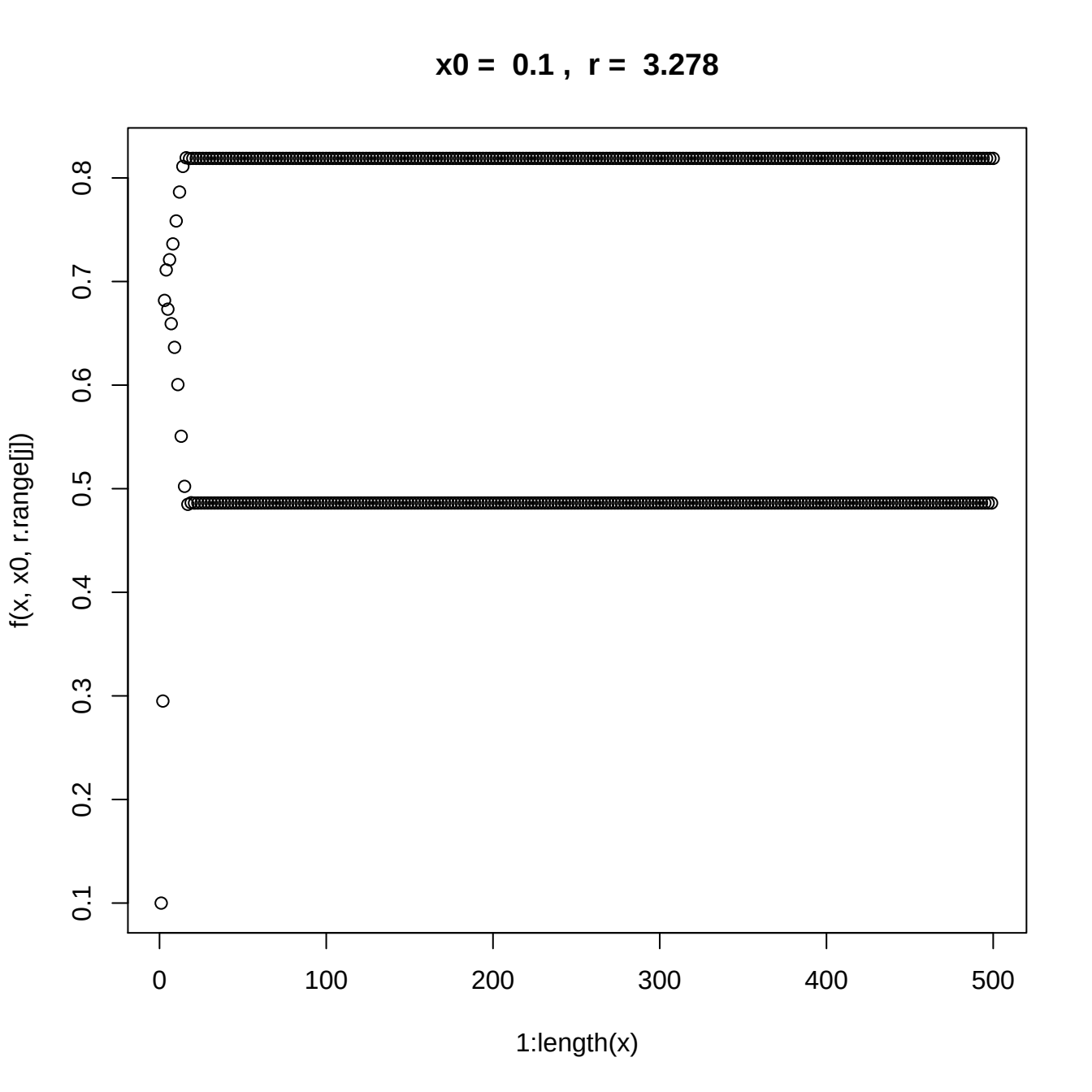

x0 = 0.1 , r = 3.268
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

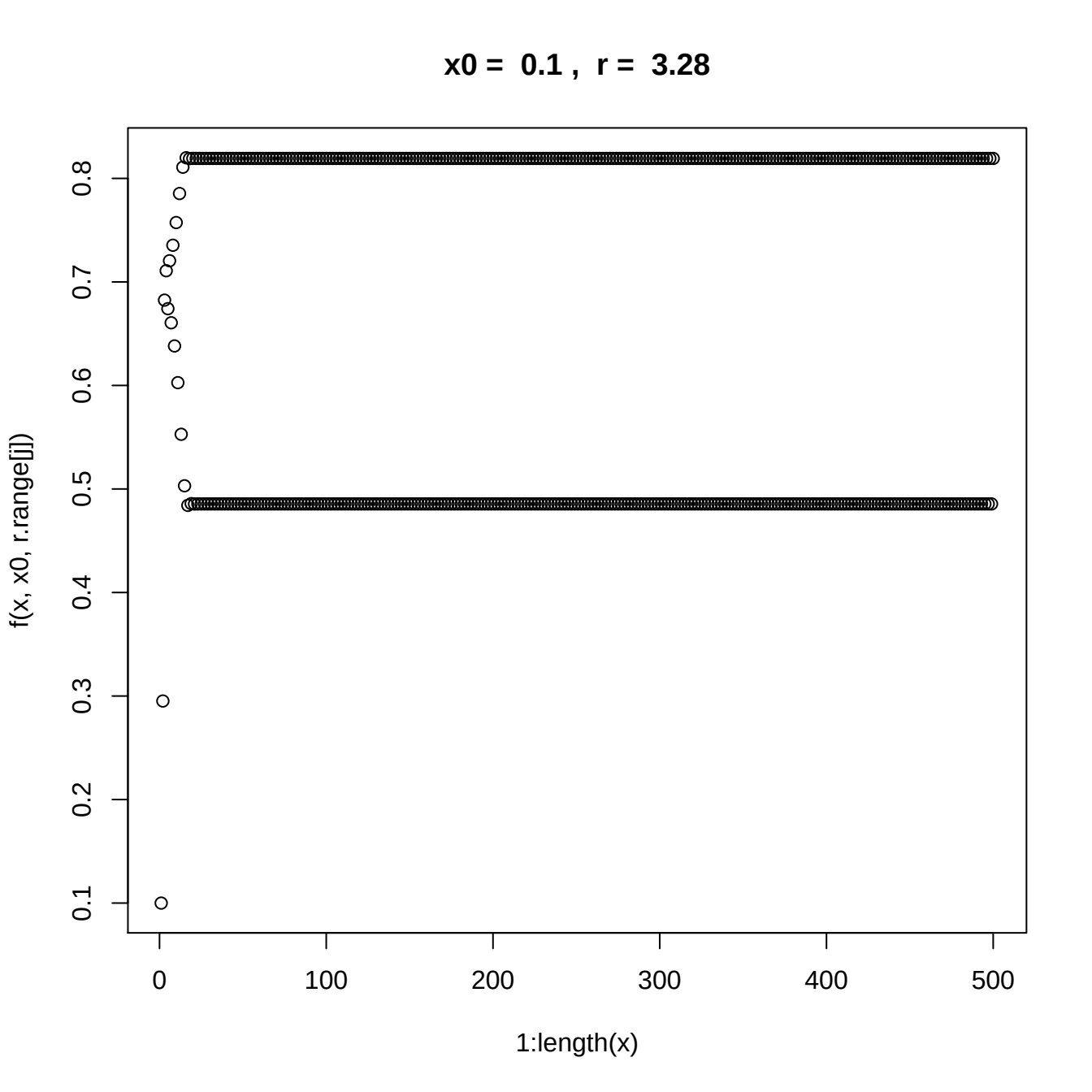

x0 = 0.1 , r = 3.27
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

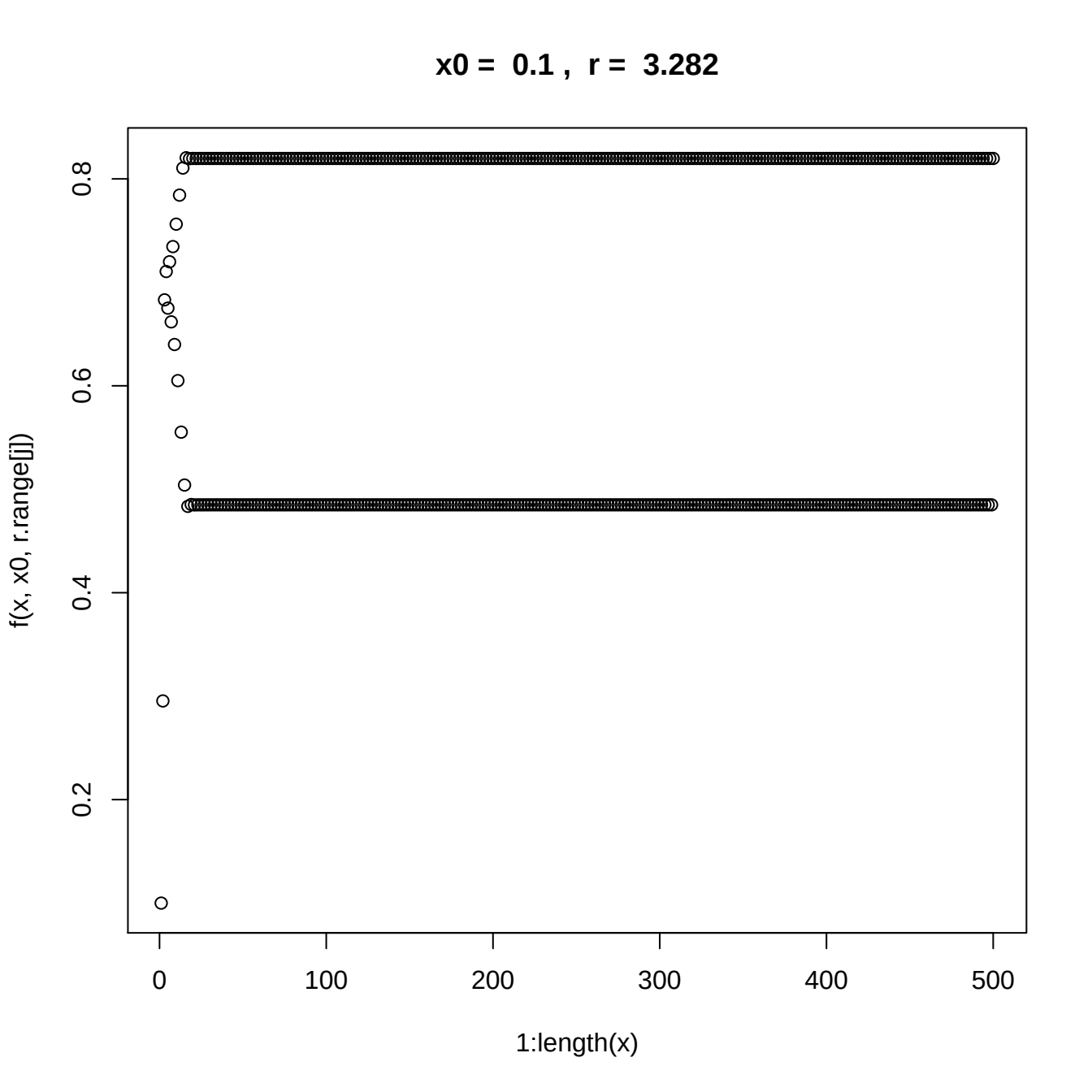

x0 = 0.1 , r = 3.272
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

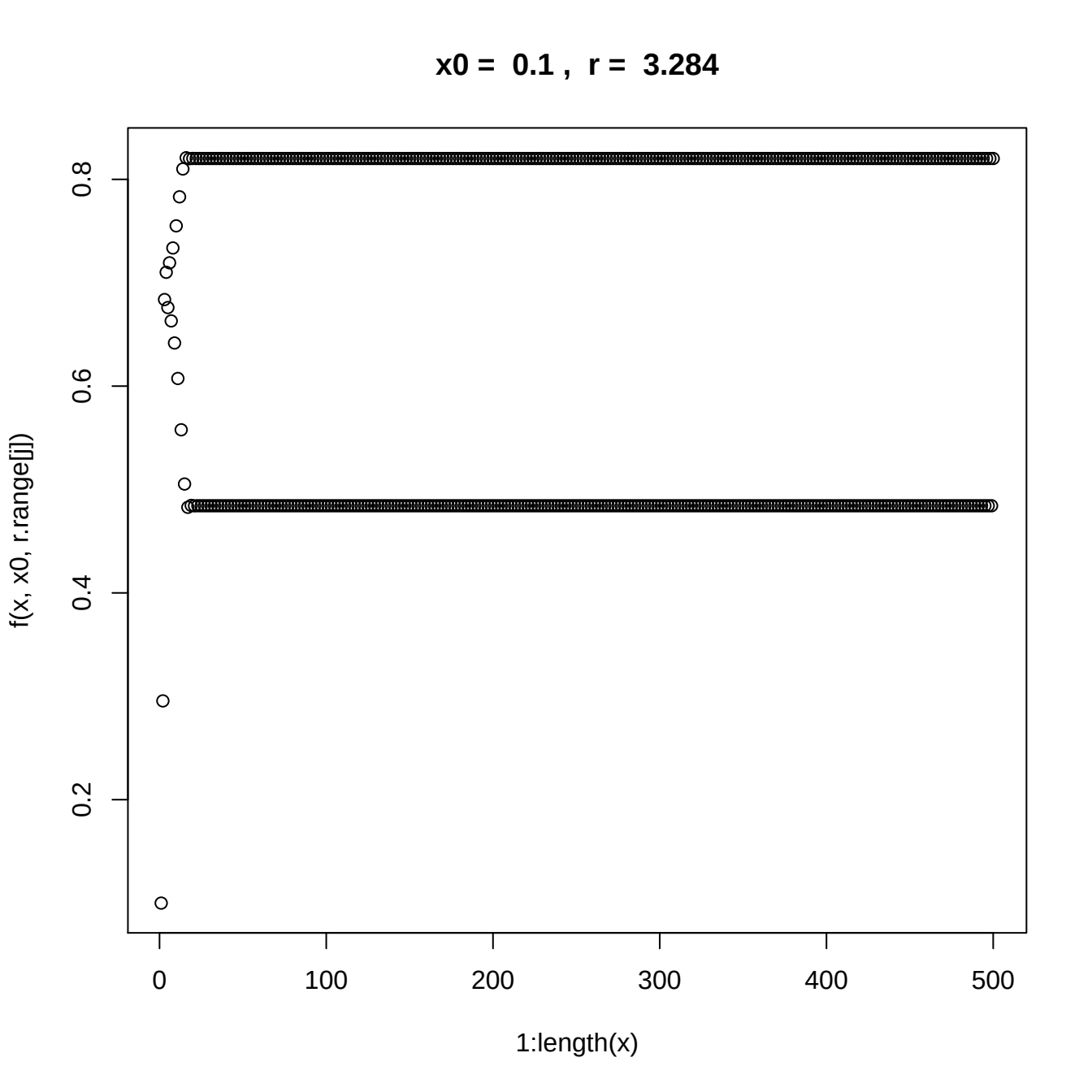

x0 = 0.1 , r = 3.274
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

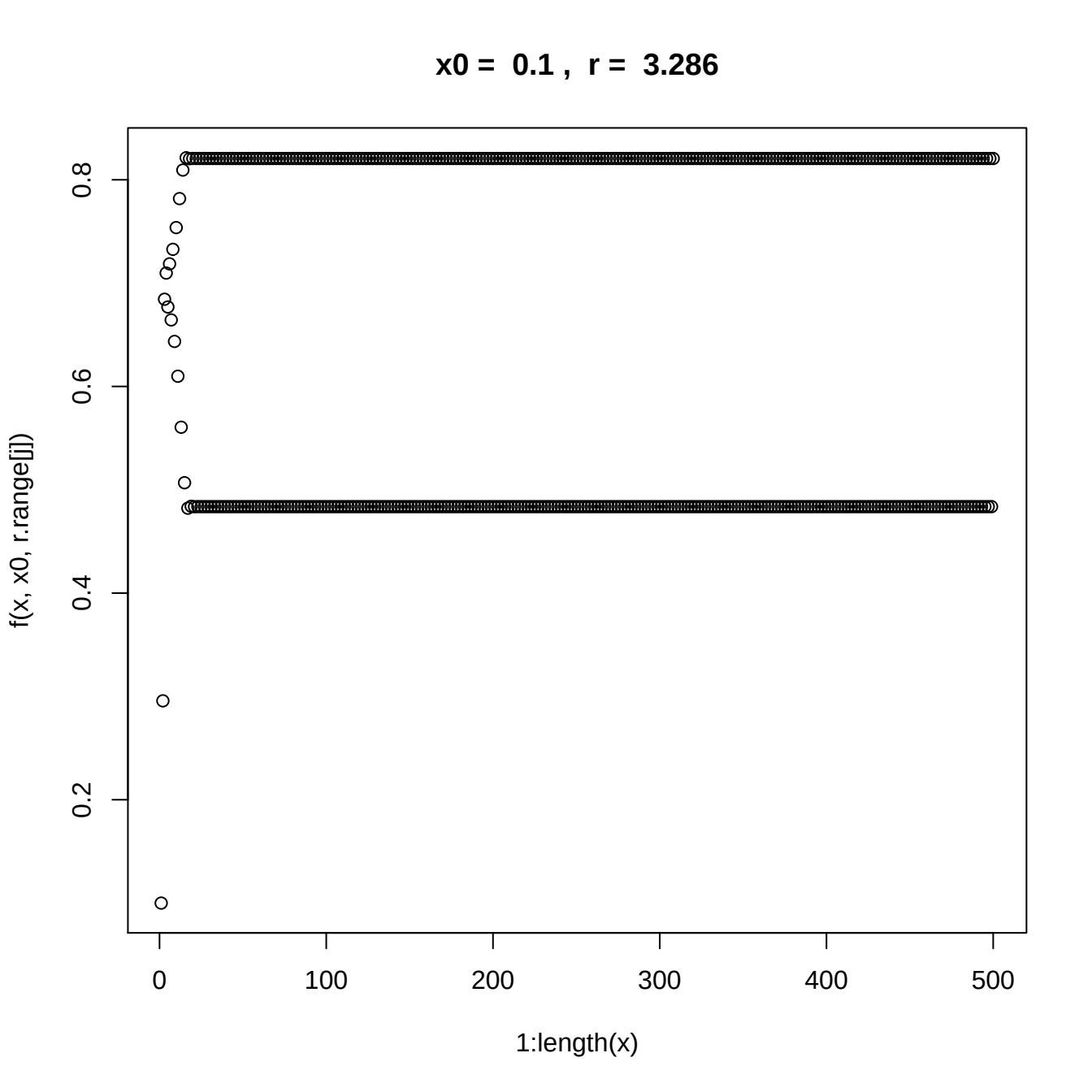

x0 = 0.1 , r = 3.276
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

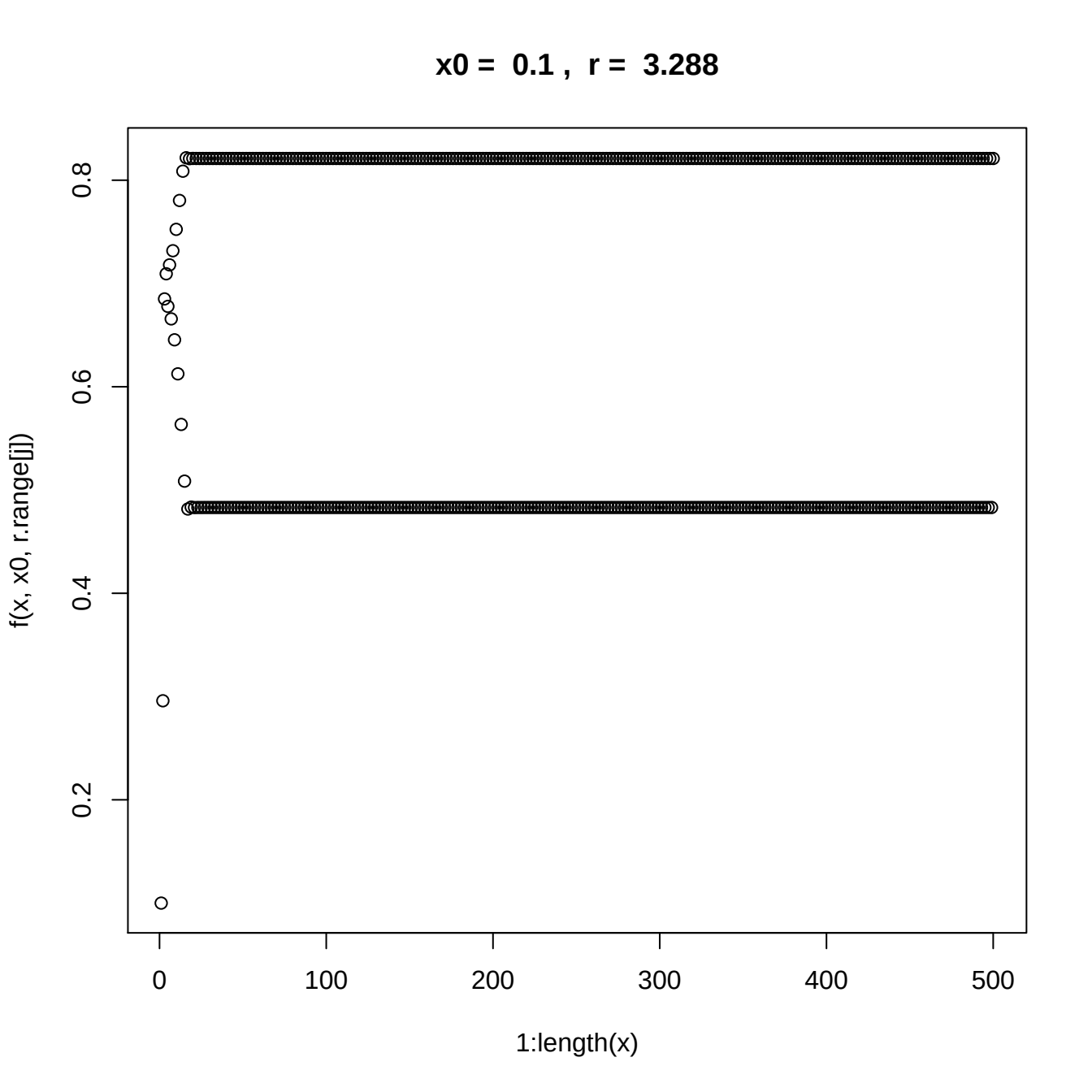

x0 = 0.1 , r = 3.278
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

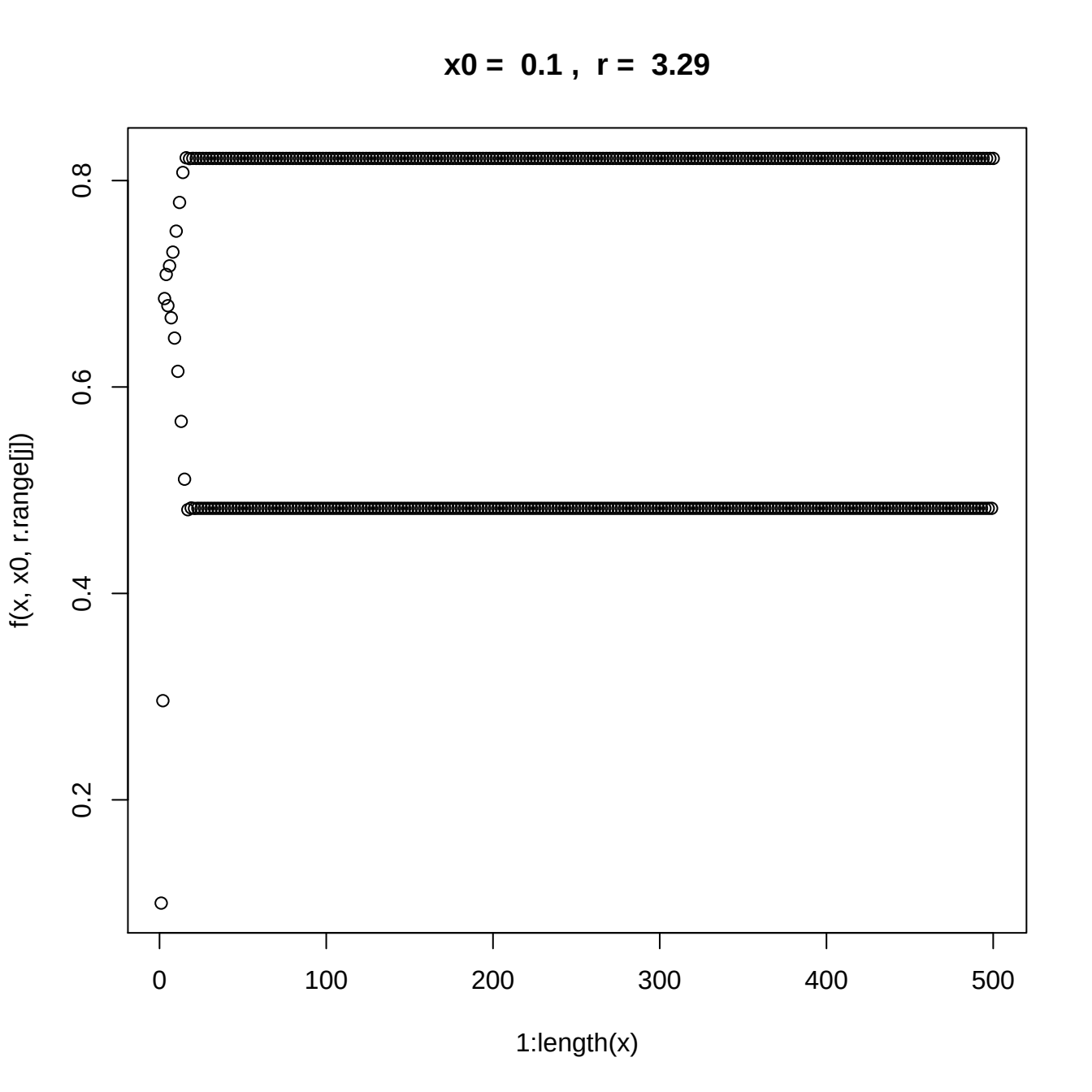

x0 = 0.1 , r = 3.28
f(x, x0, r.range[j])
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
100
200
300
400
500
1:length(x)

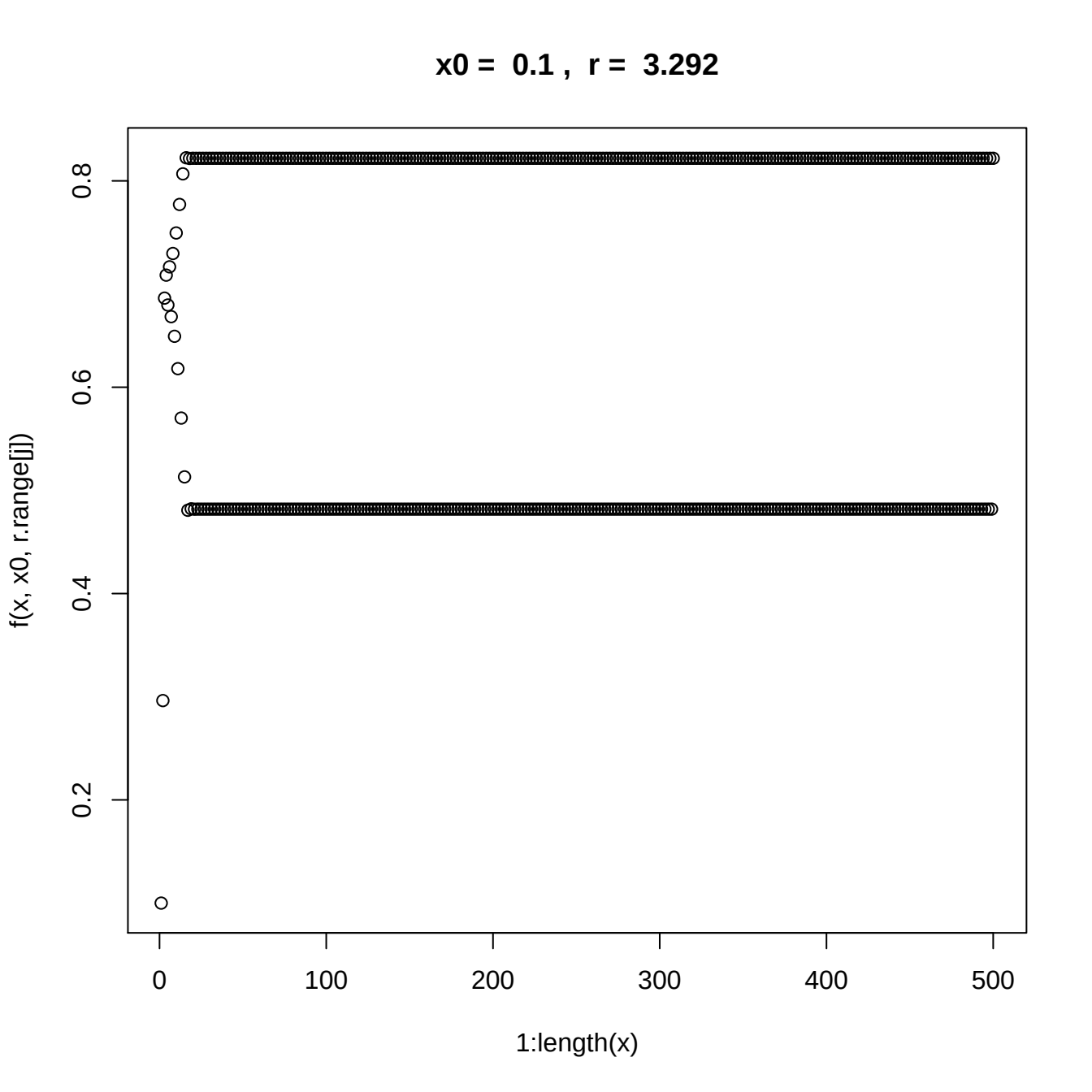

x0 = 0.1 , r = 3.282
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

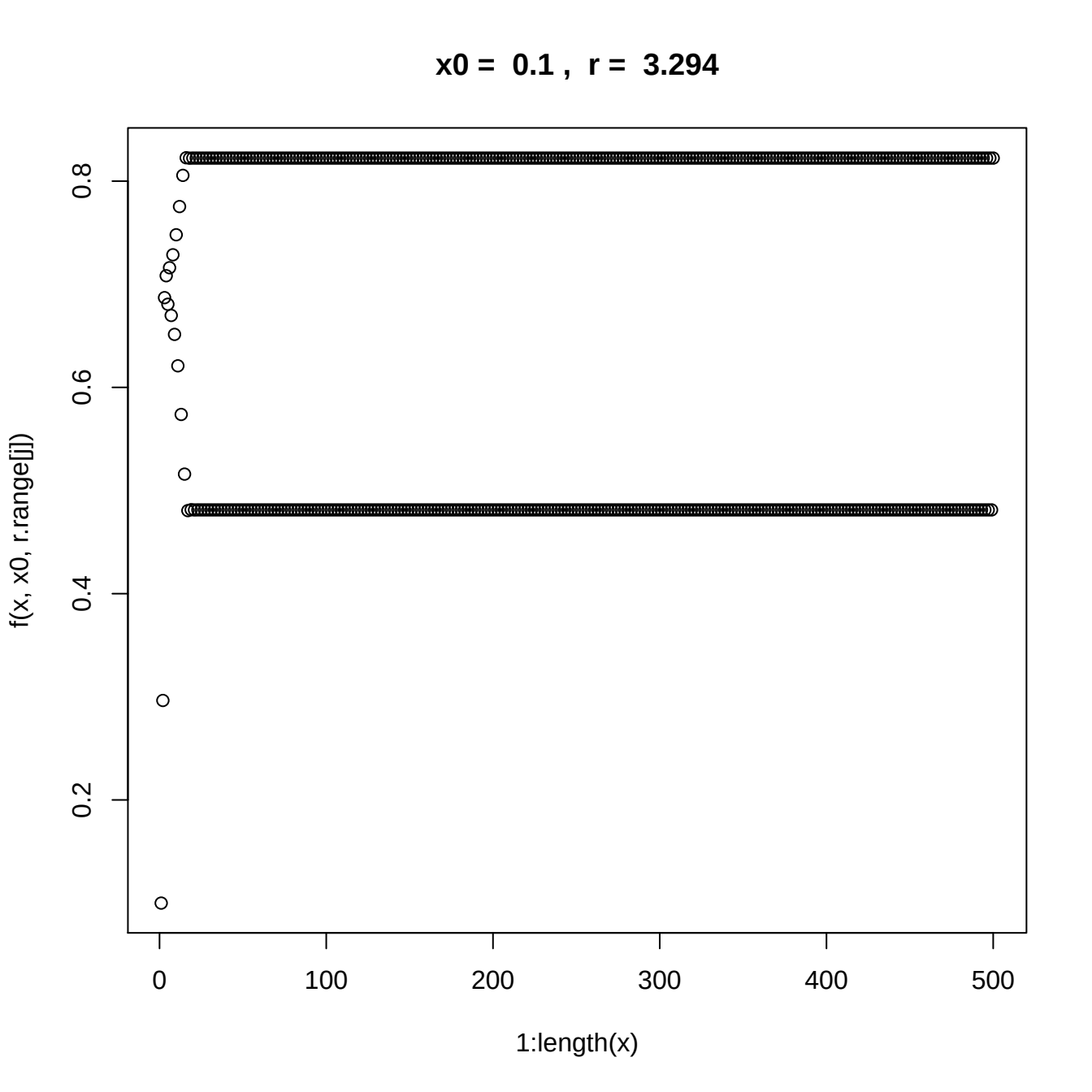

x0 = 0.1 , r = 3.284
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

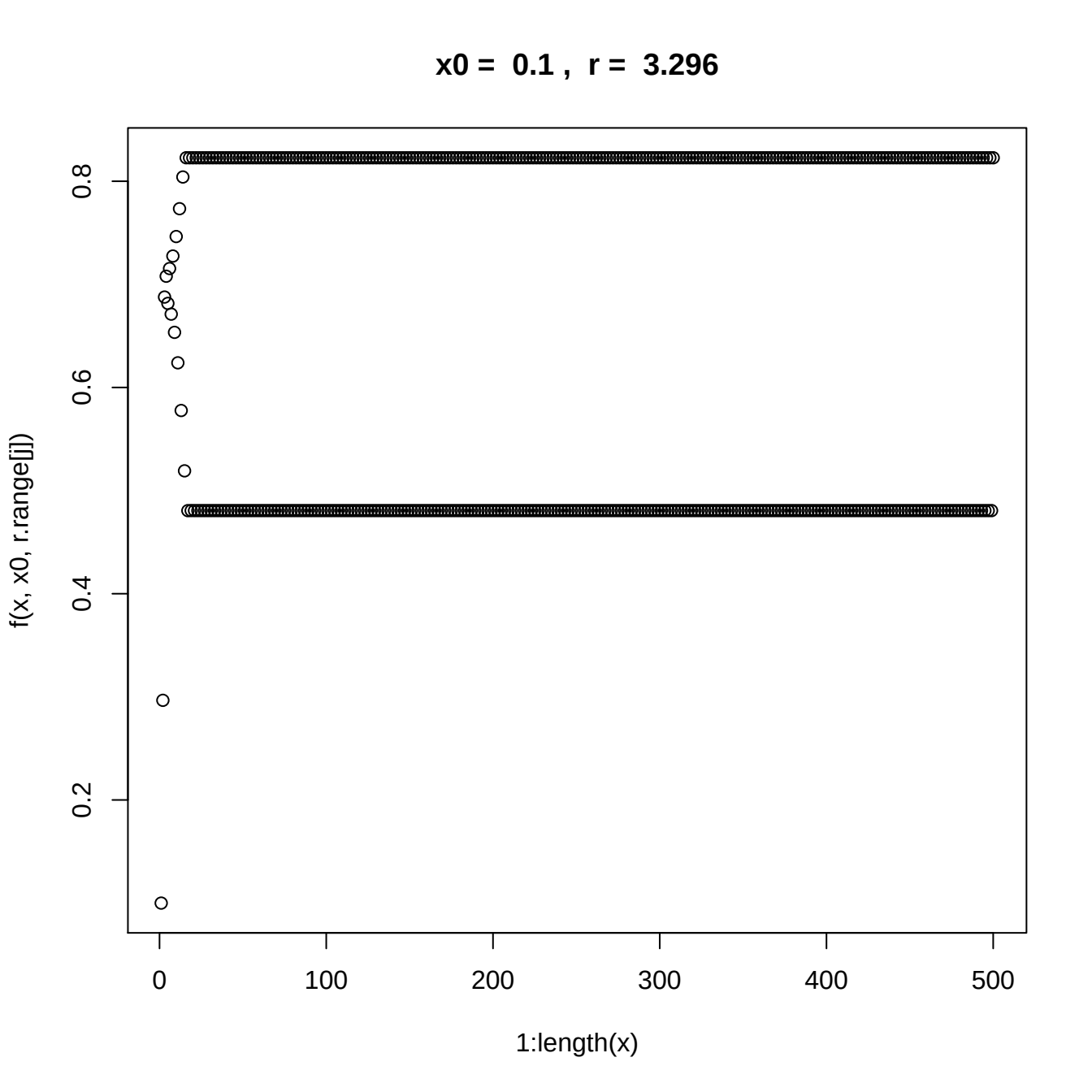

x0 = 0.1 , r = 3.286
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

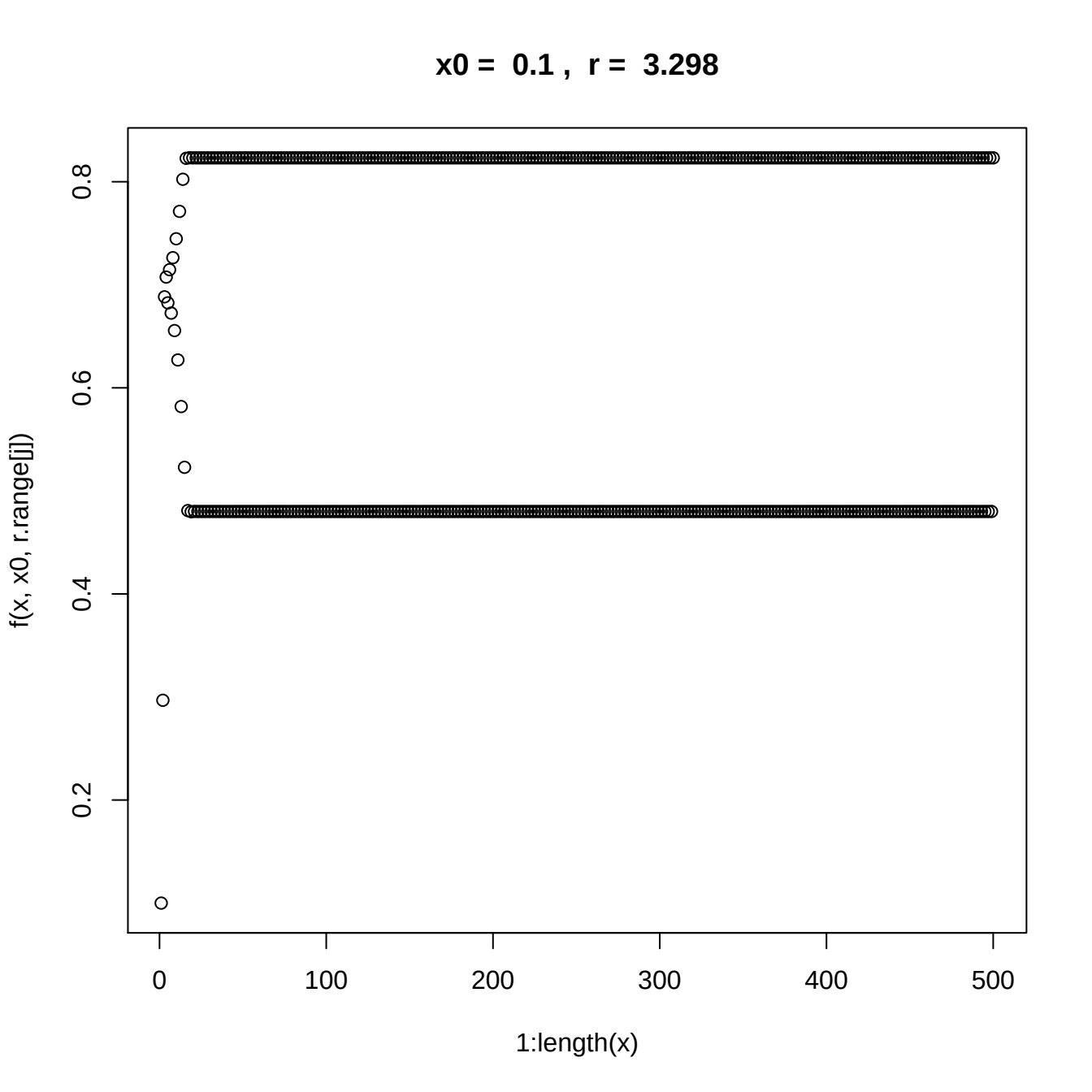

x0 = 0.1 , r = 3.288
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

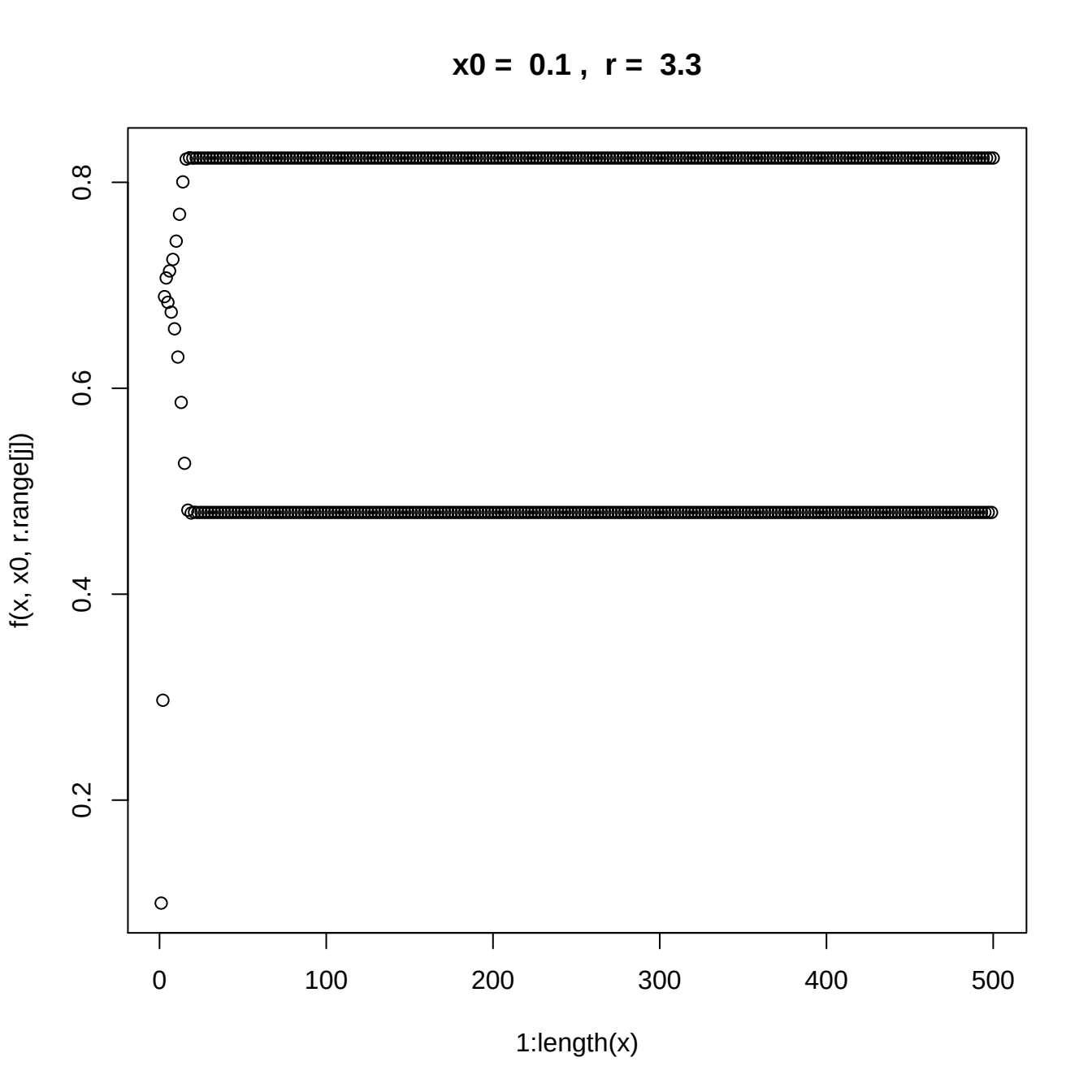

x0 = 0.1 , r = 3.29
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

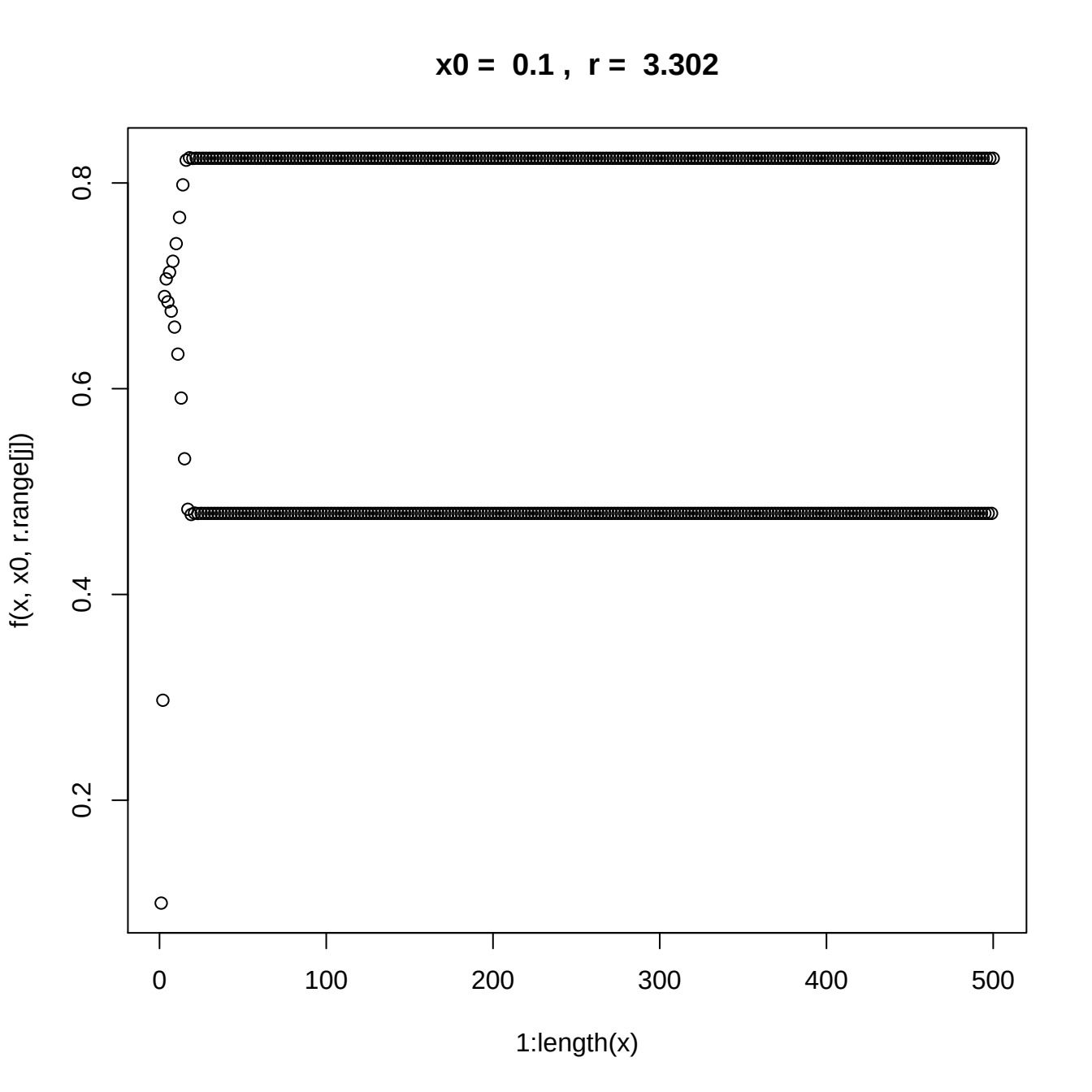

x0 = 0.1 , r = 3.292
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

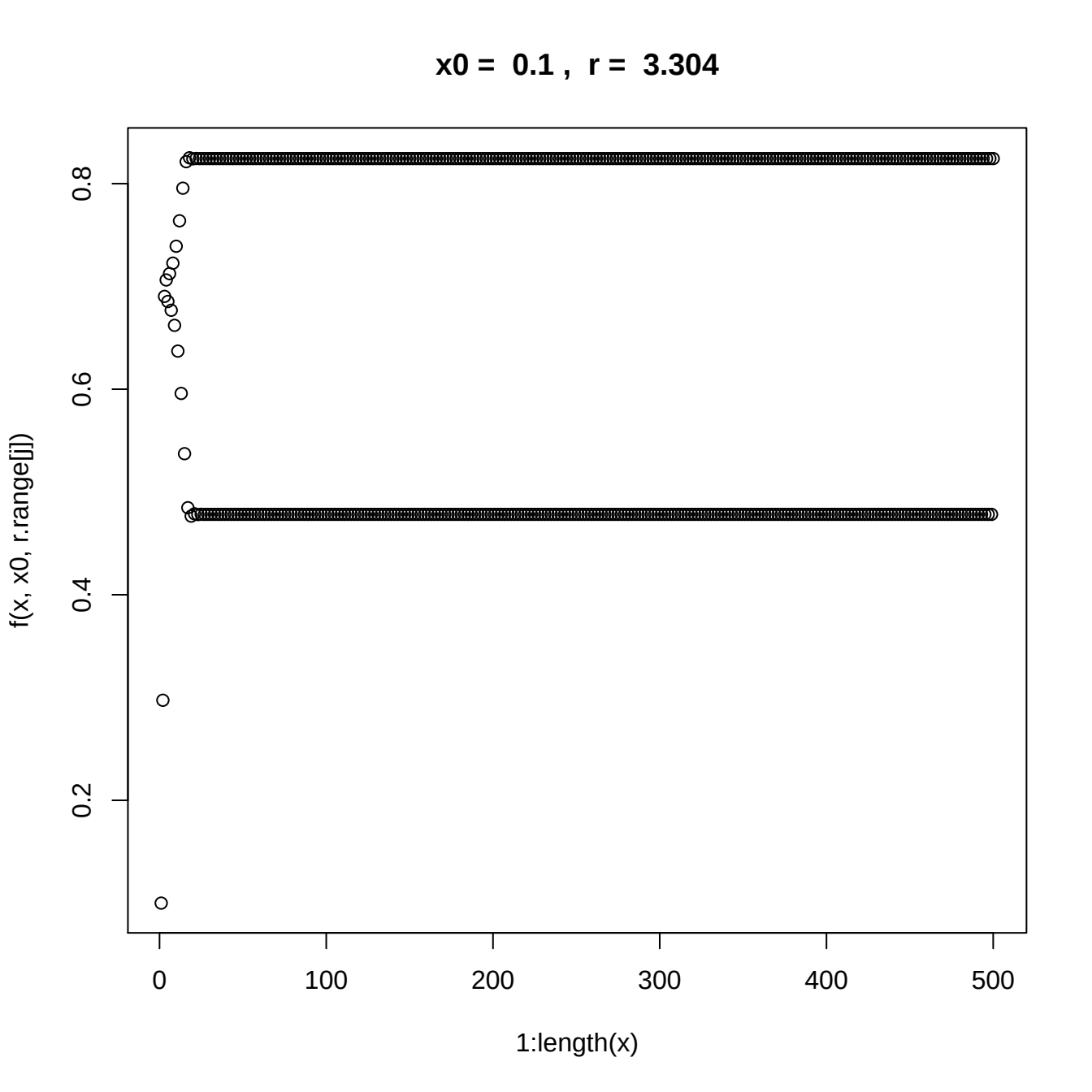

x0 = 0.1 , r = 3.294
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

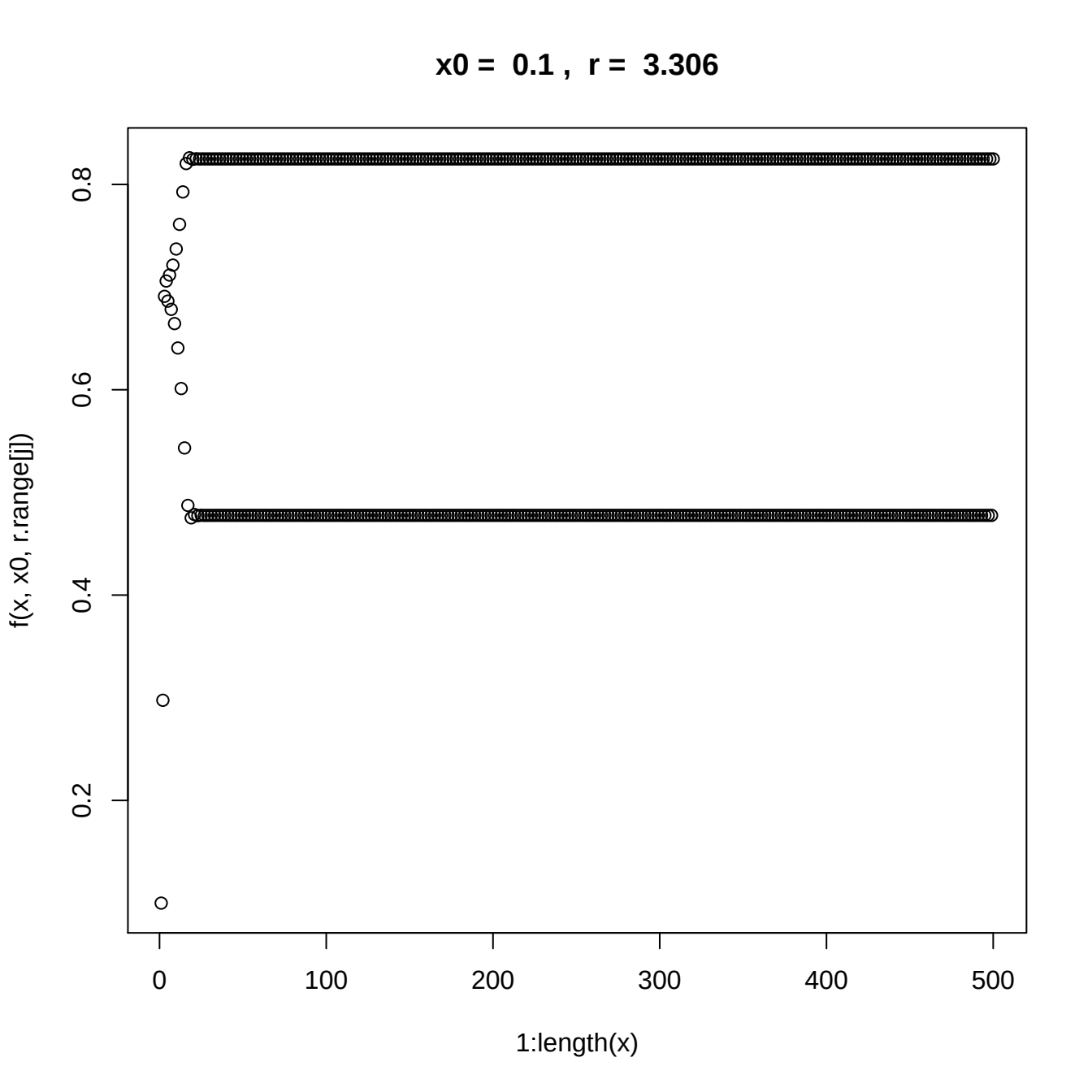

x0 = 0.1 , r = 3.296
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

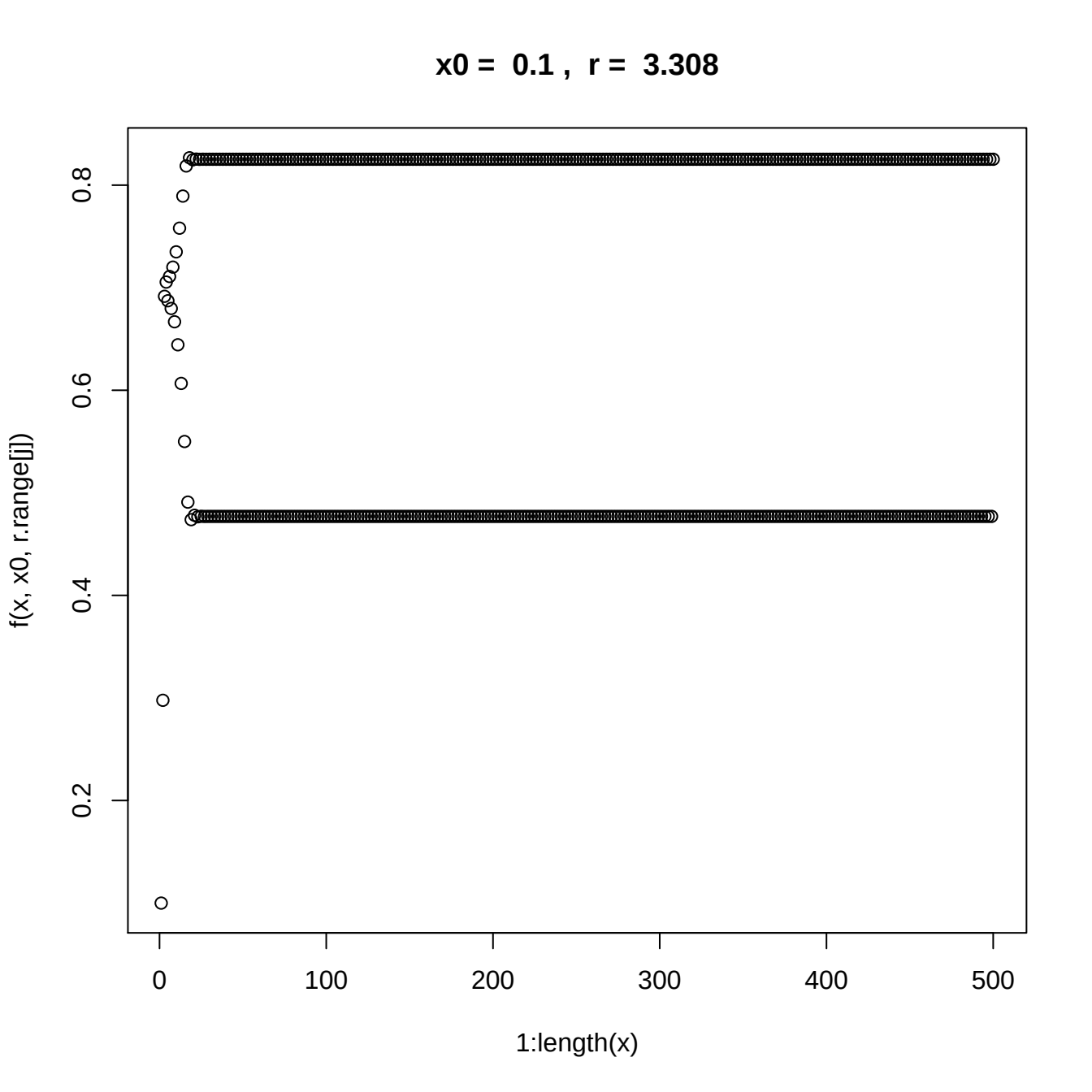

x0 = 0.1 , r = 3.298
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

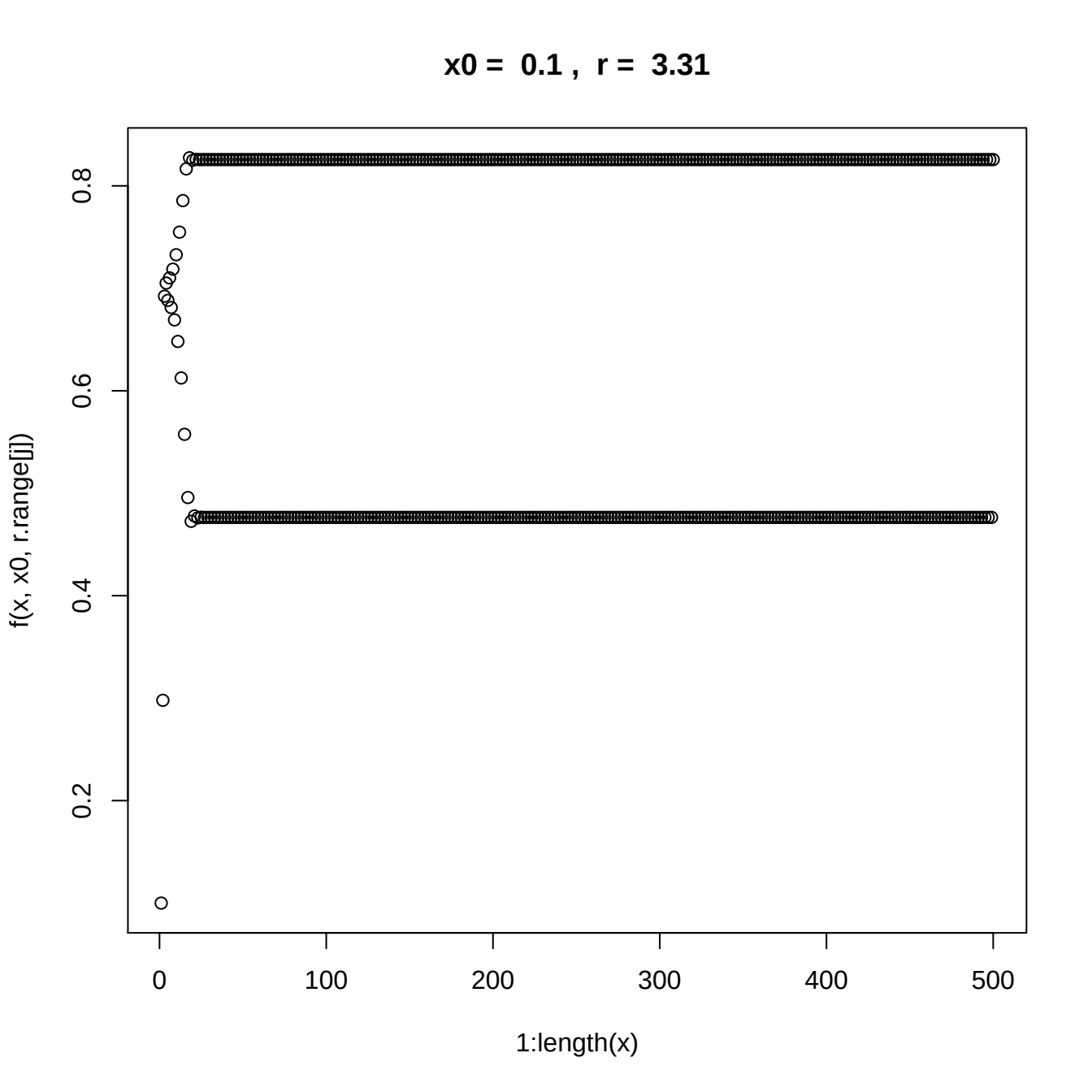

x0 = 0.1 , r = 3.3
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

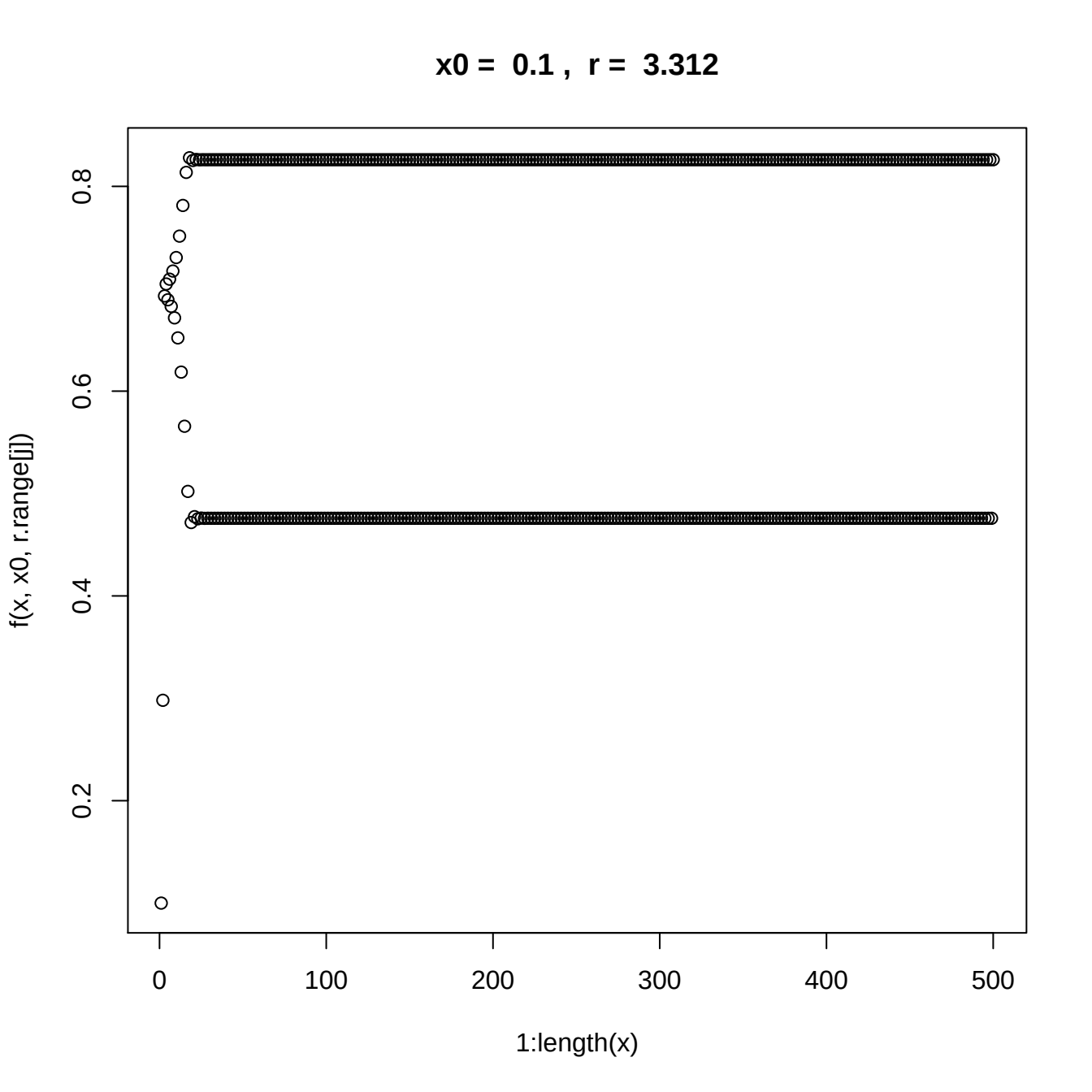

x0 = 0.1 , r = 3.302
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

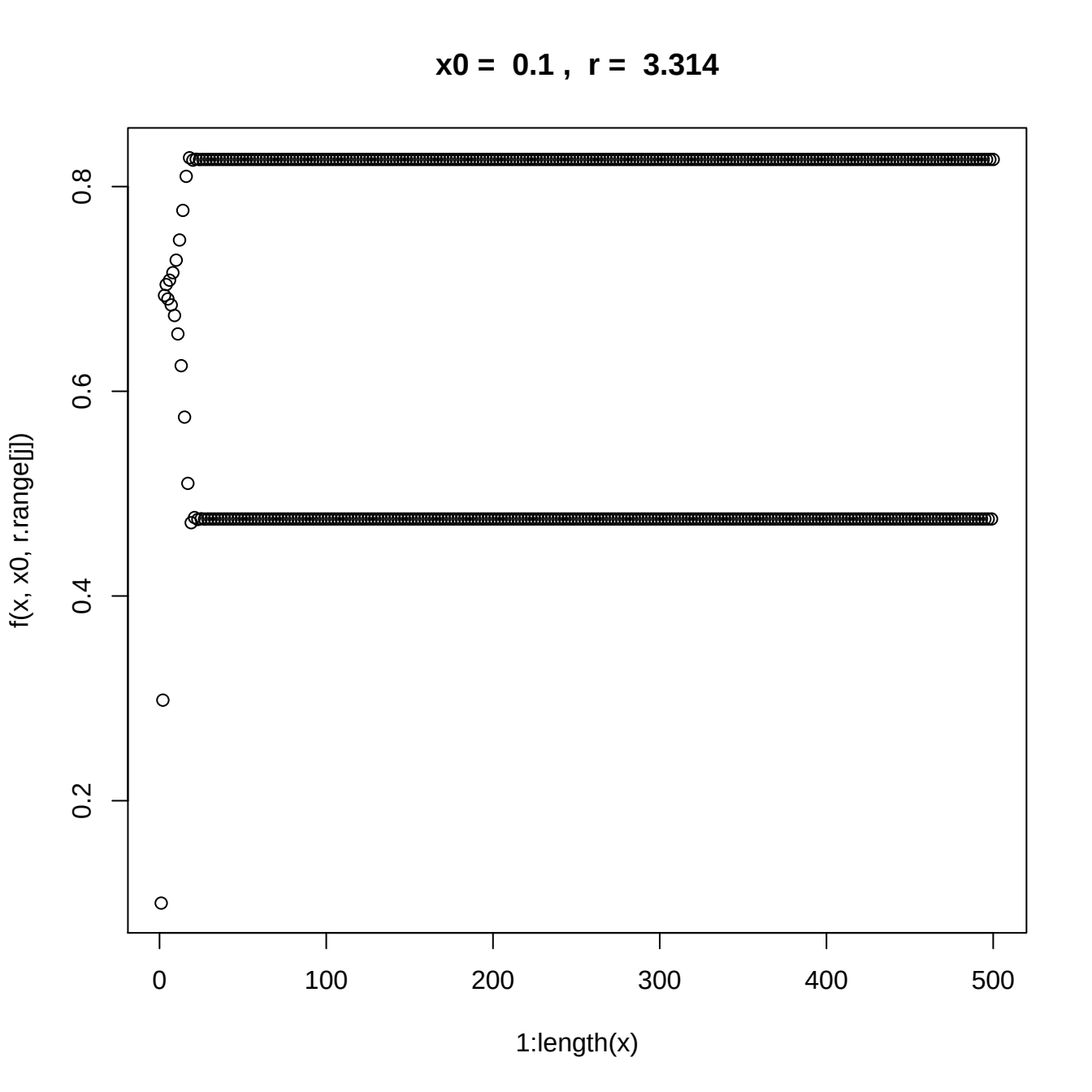

x0 = 0.1 , r = 3.304
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

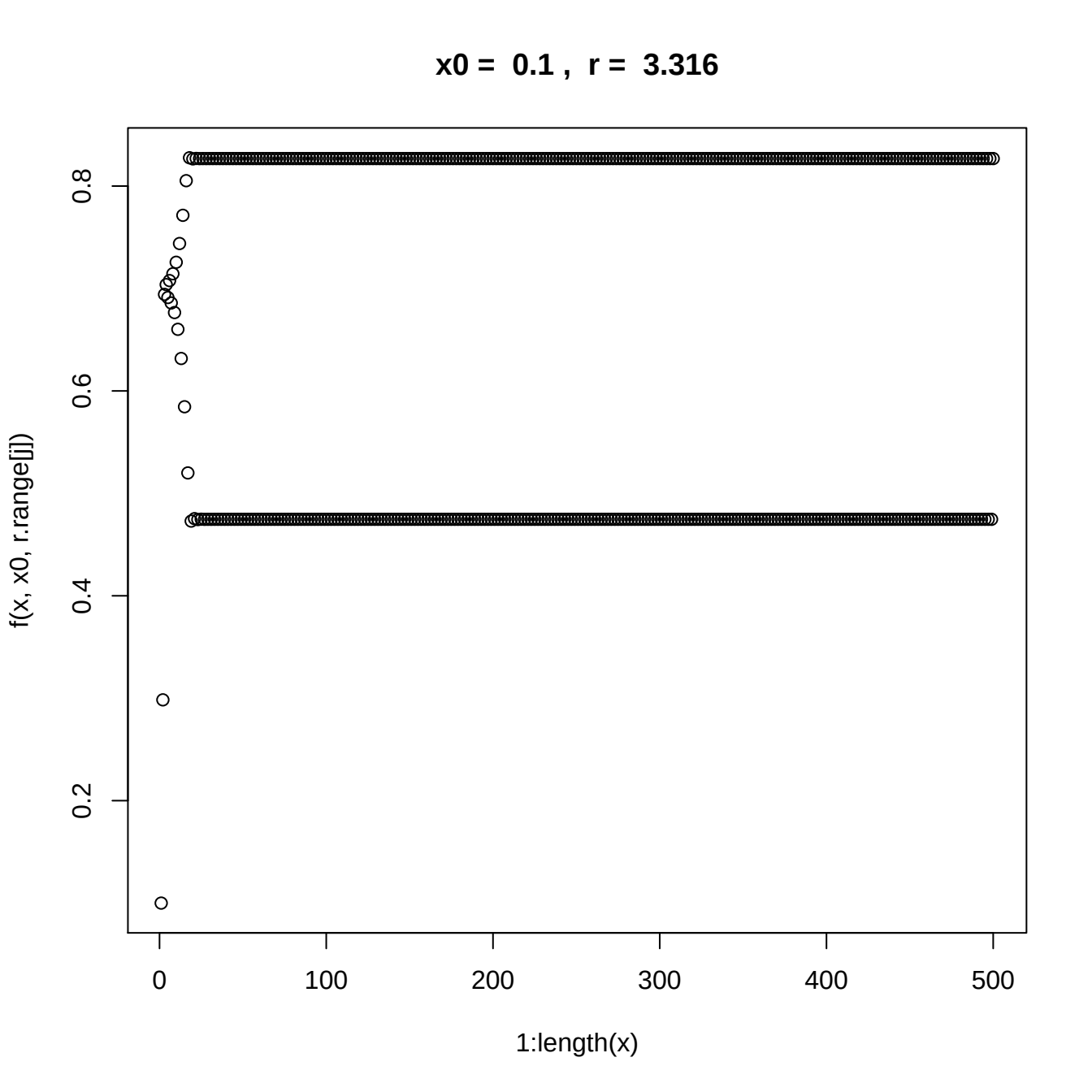

x0 = 0.1 , r = 3.306
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

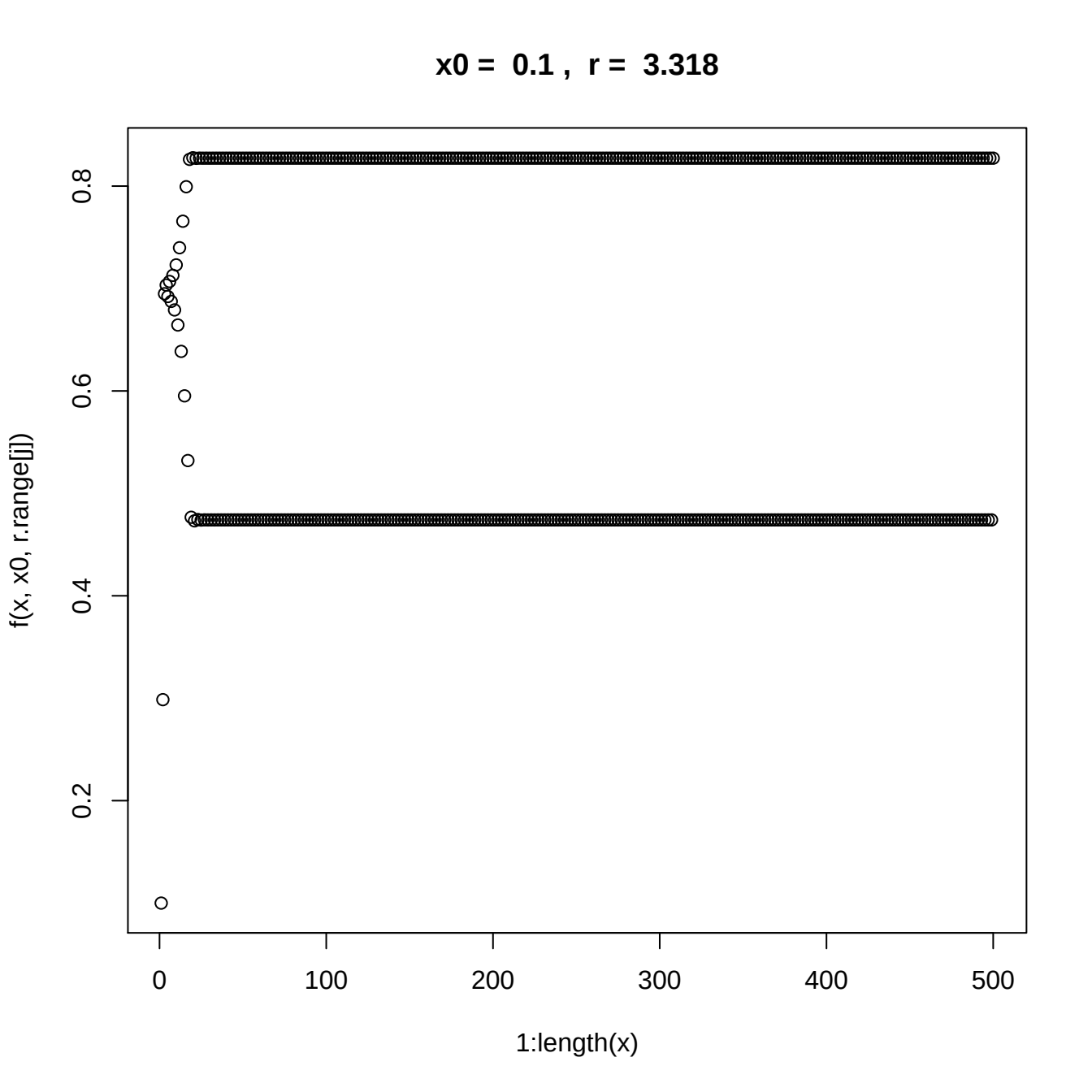

x0 = 0.1 , r = 3.308
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

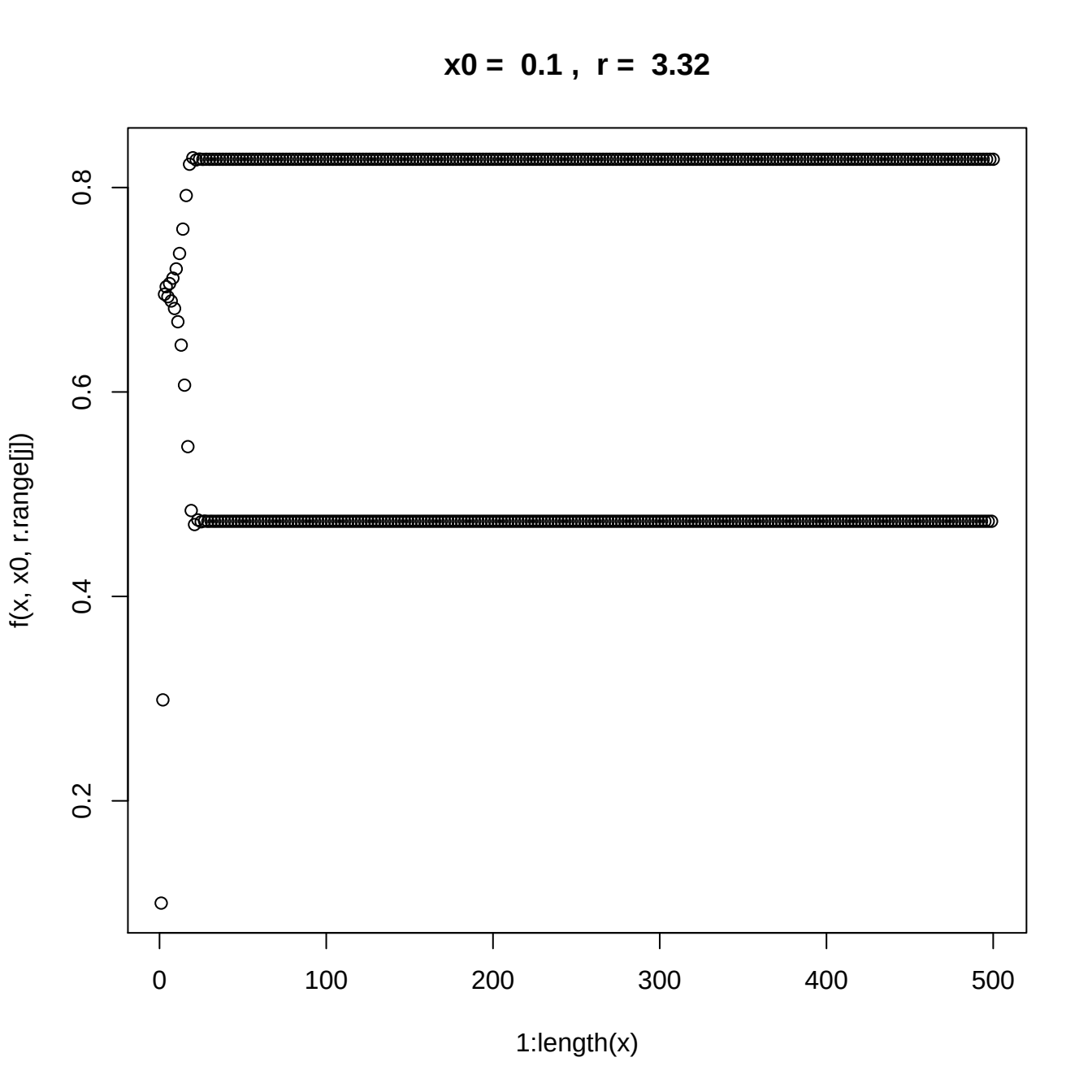

x0 = 0.1 , r = 3.31
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

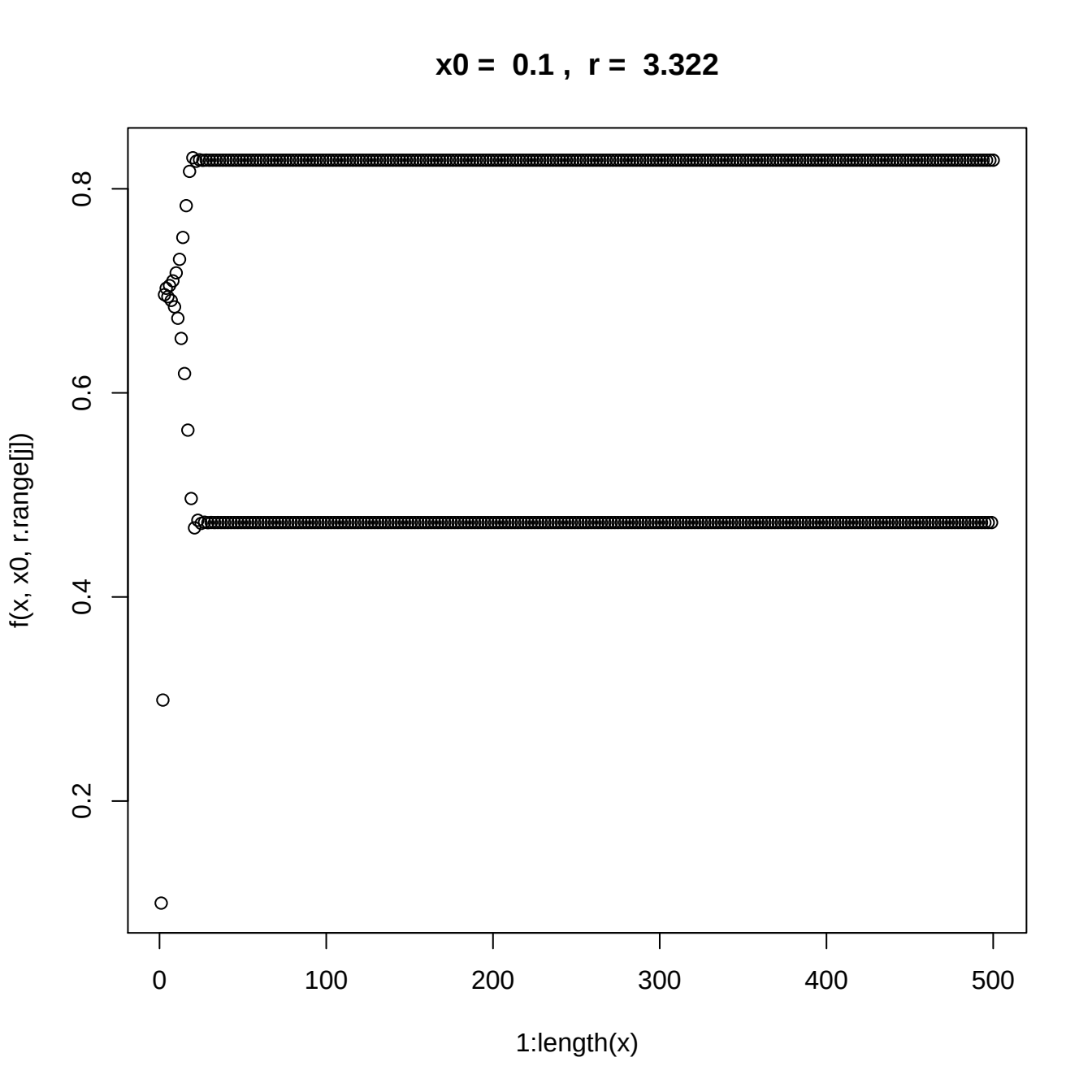

x0 = 0.1 , r = 3.312
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

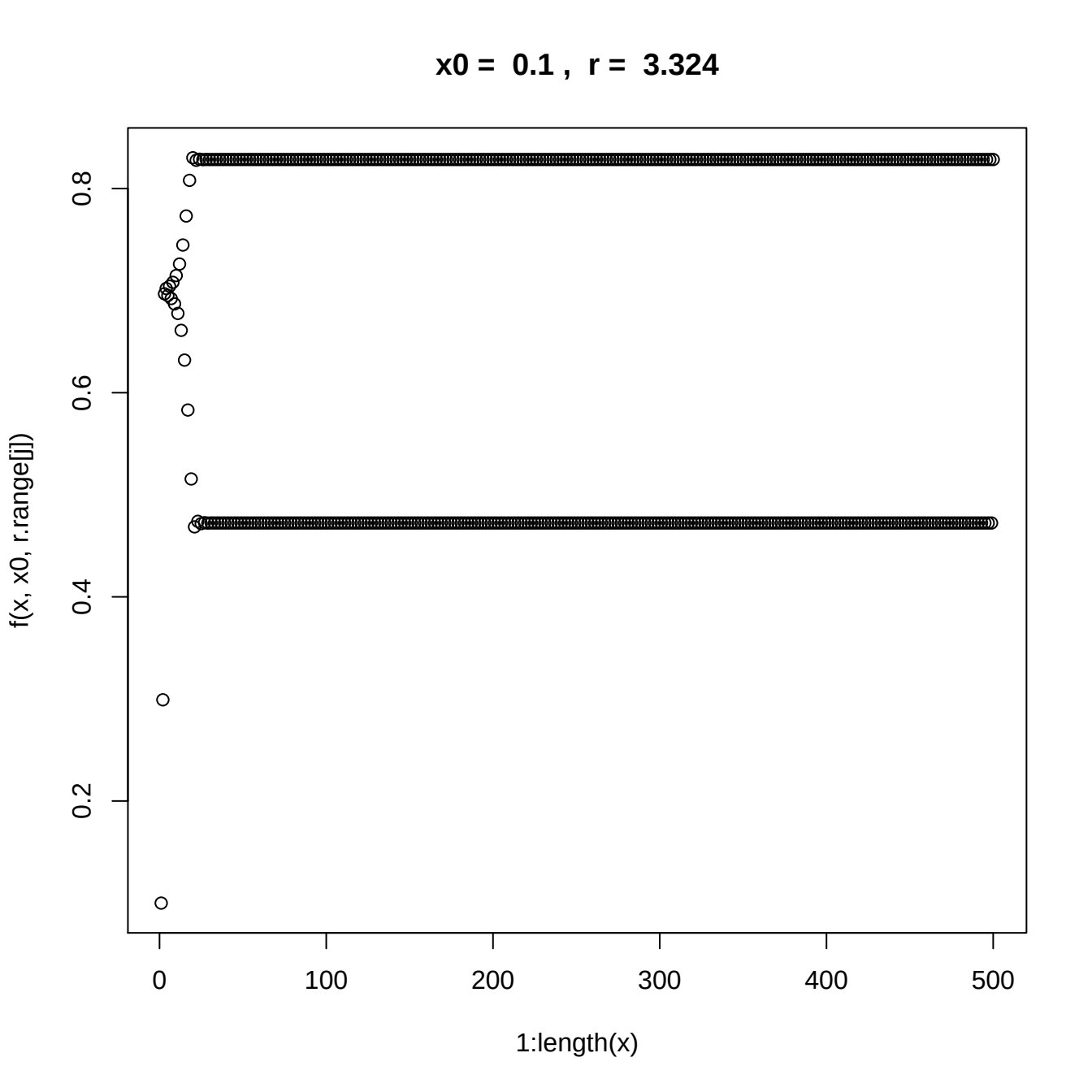

x0 = 0.1 , r = 3.314
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

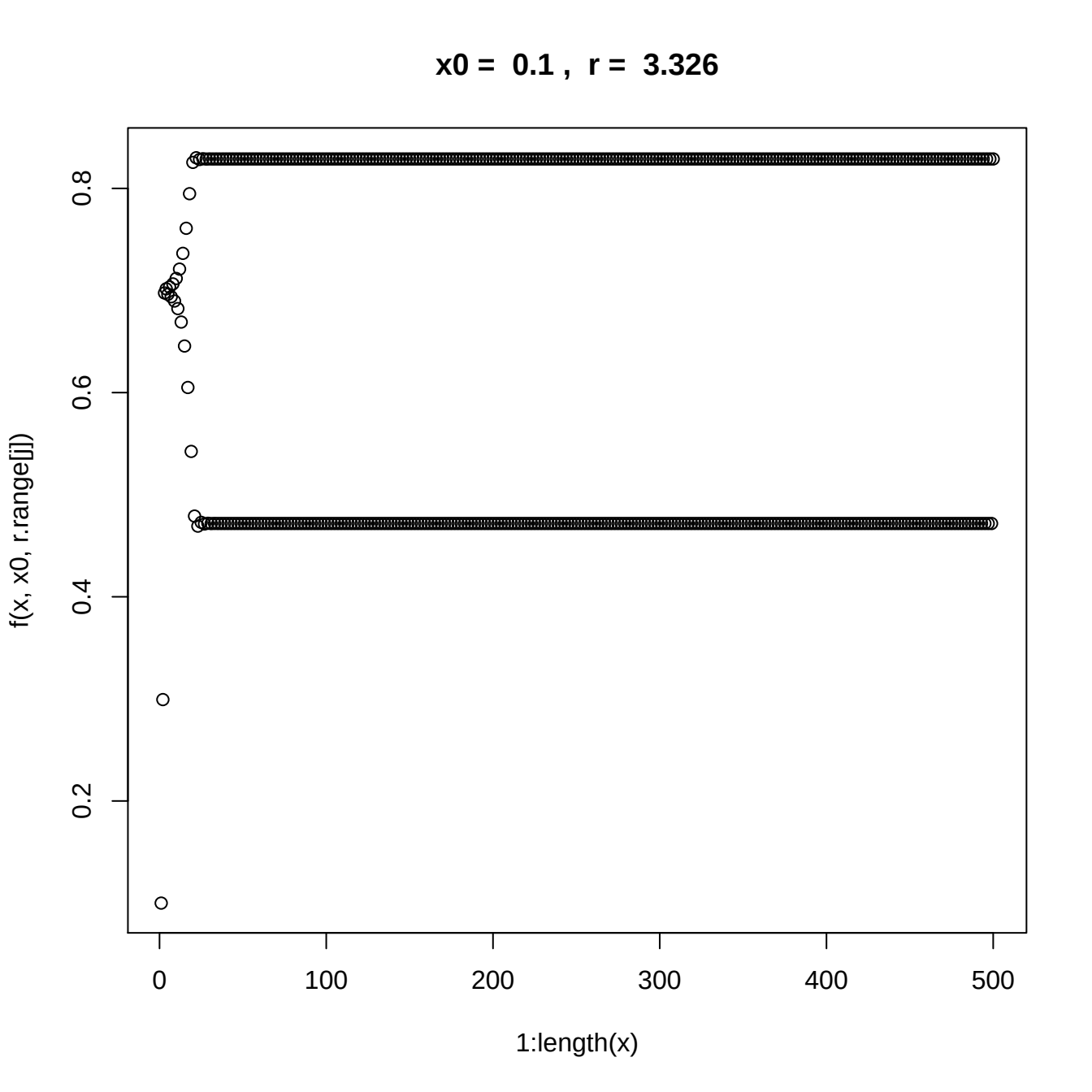

x0 = 0.1 , r = 3.316
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

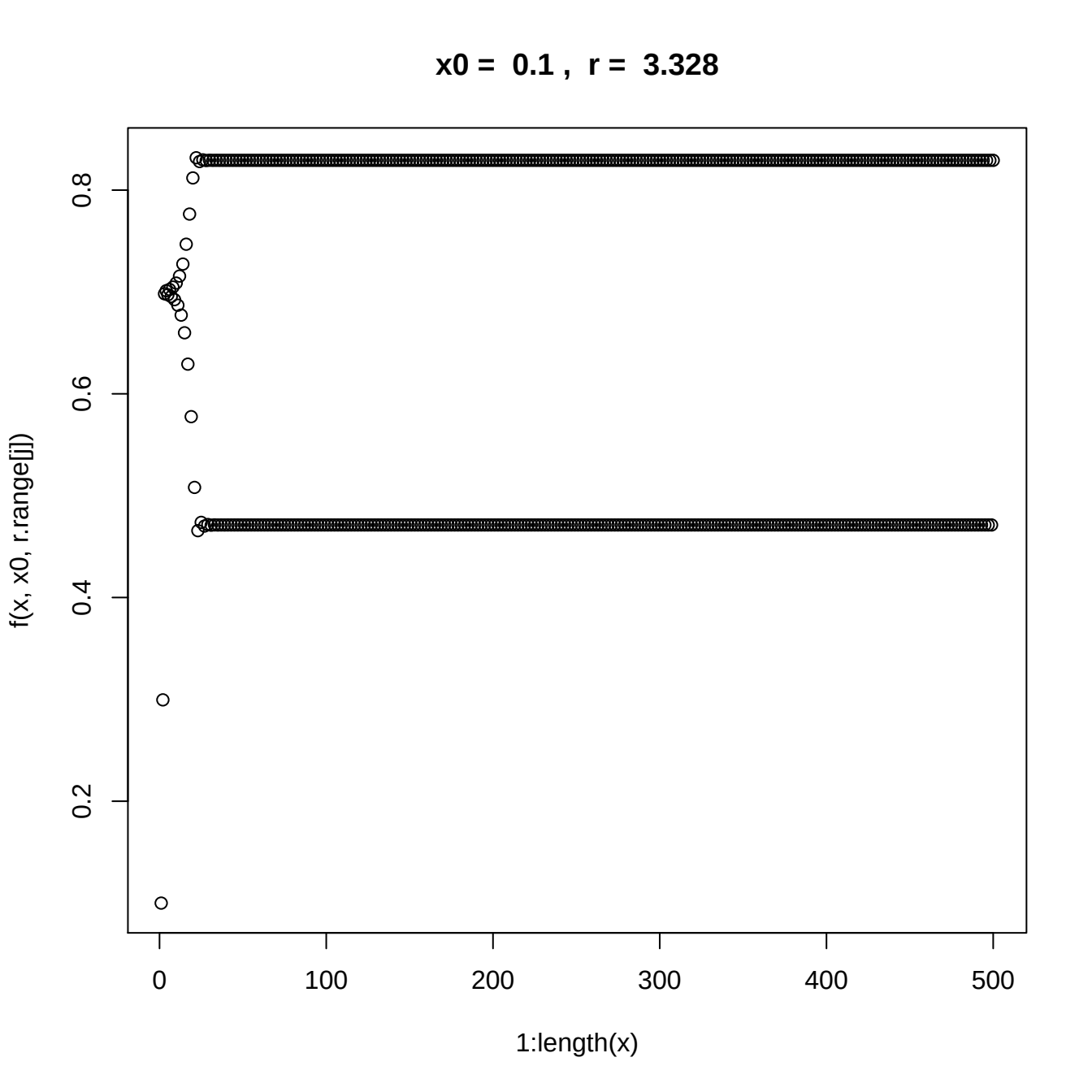

x0 = 0.1 , r = 3.318
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

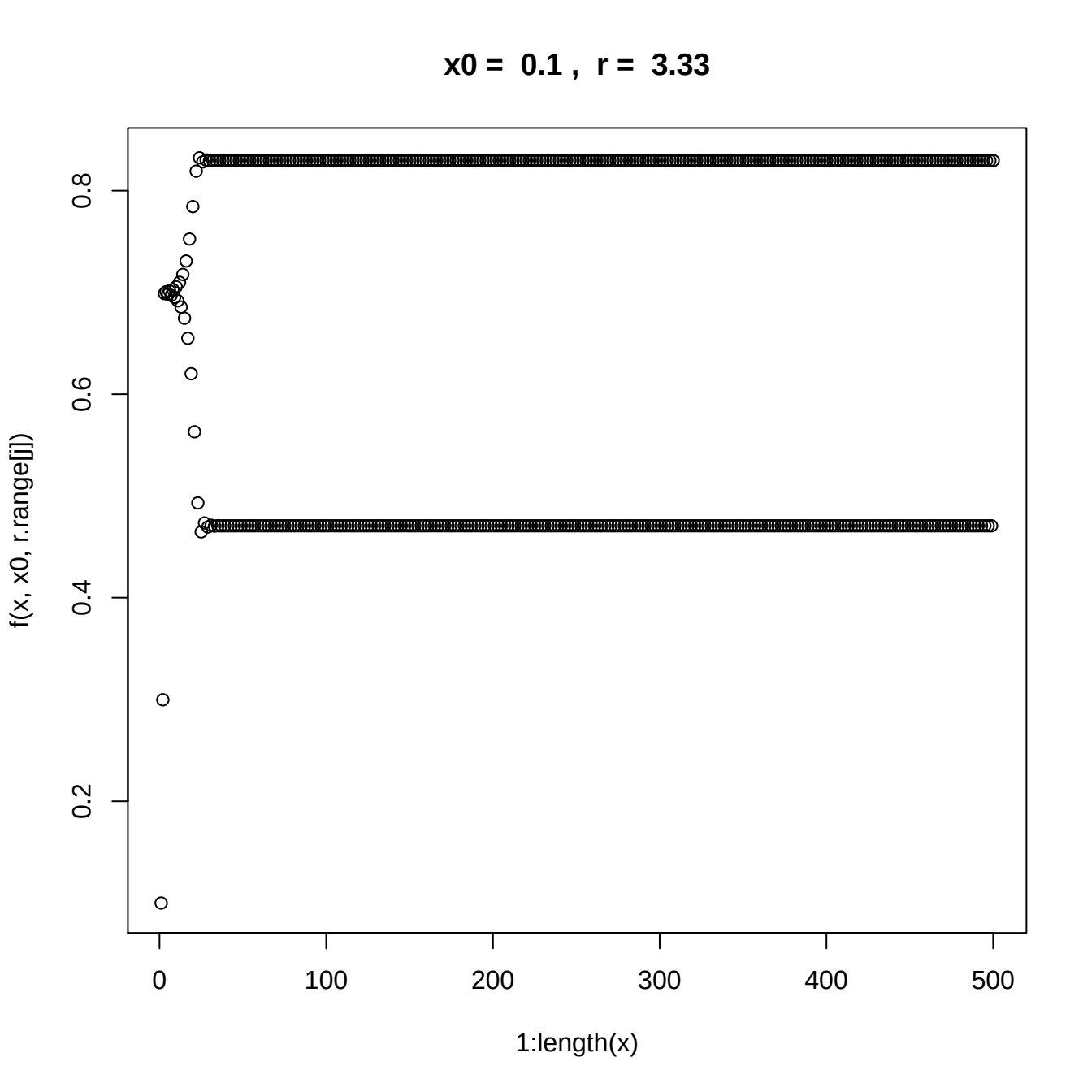

x0 = 0.1 , r = 3.32
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

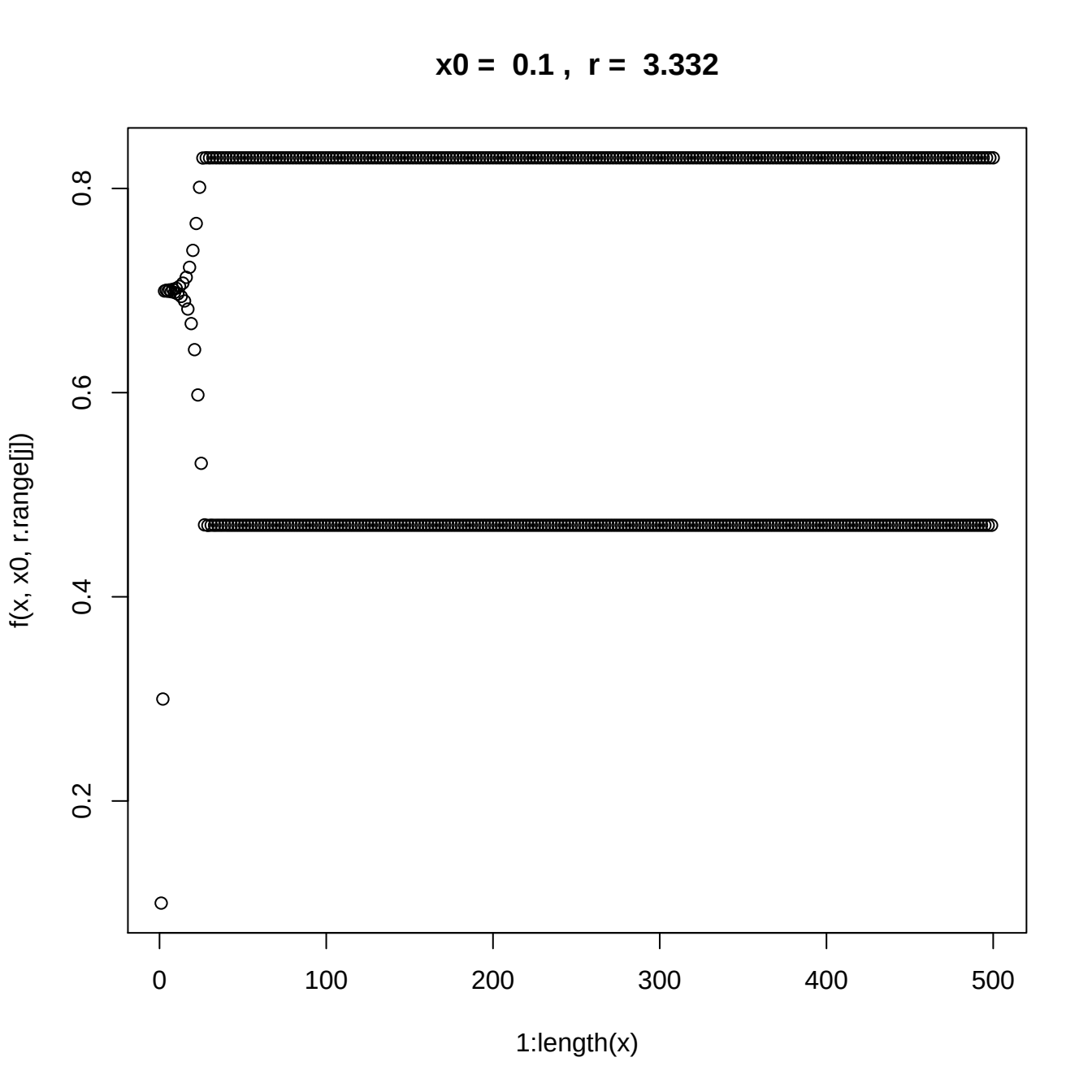

x0 = 0.1 , r = 3.322
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

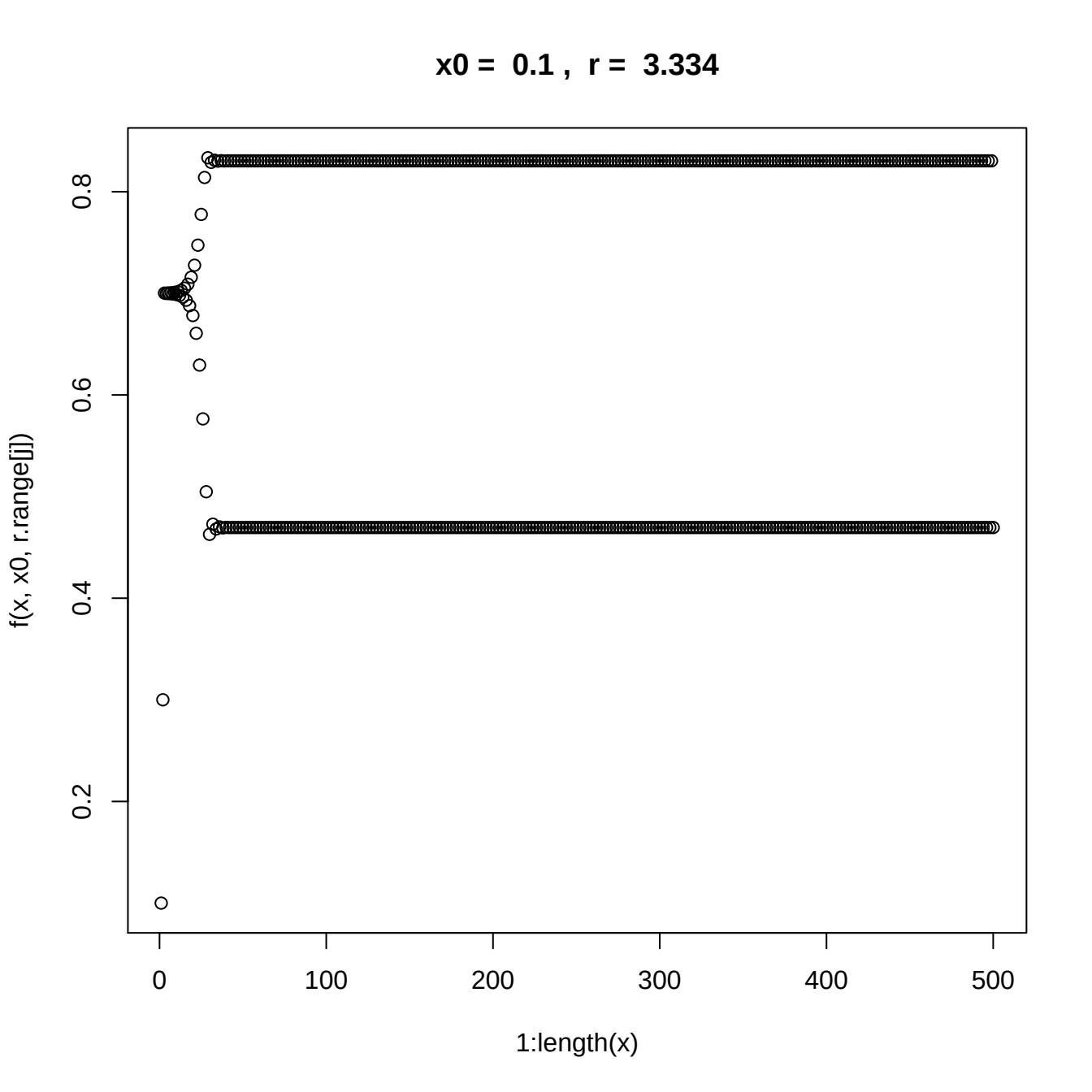

x0 = 0.1 , r = 3.324
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

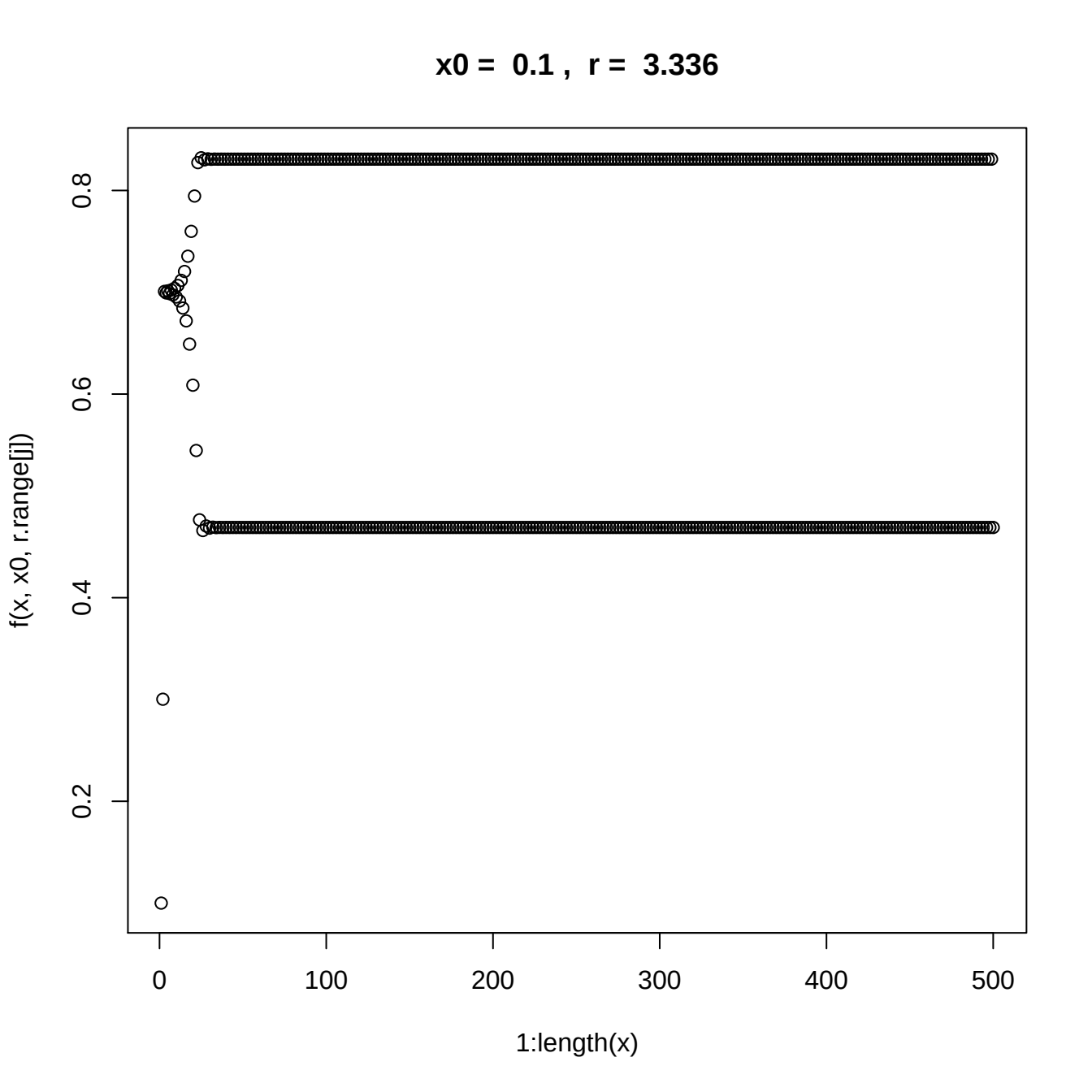

x0 = 0.1 , r = 3.326
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

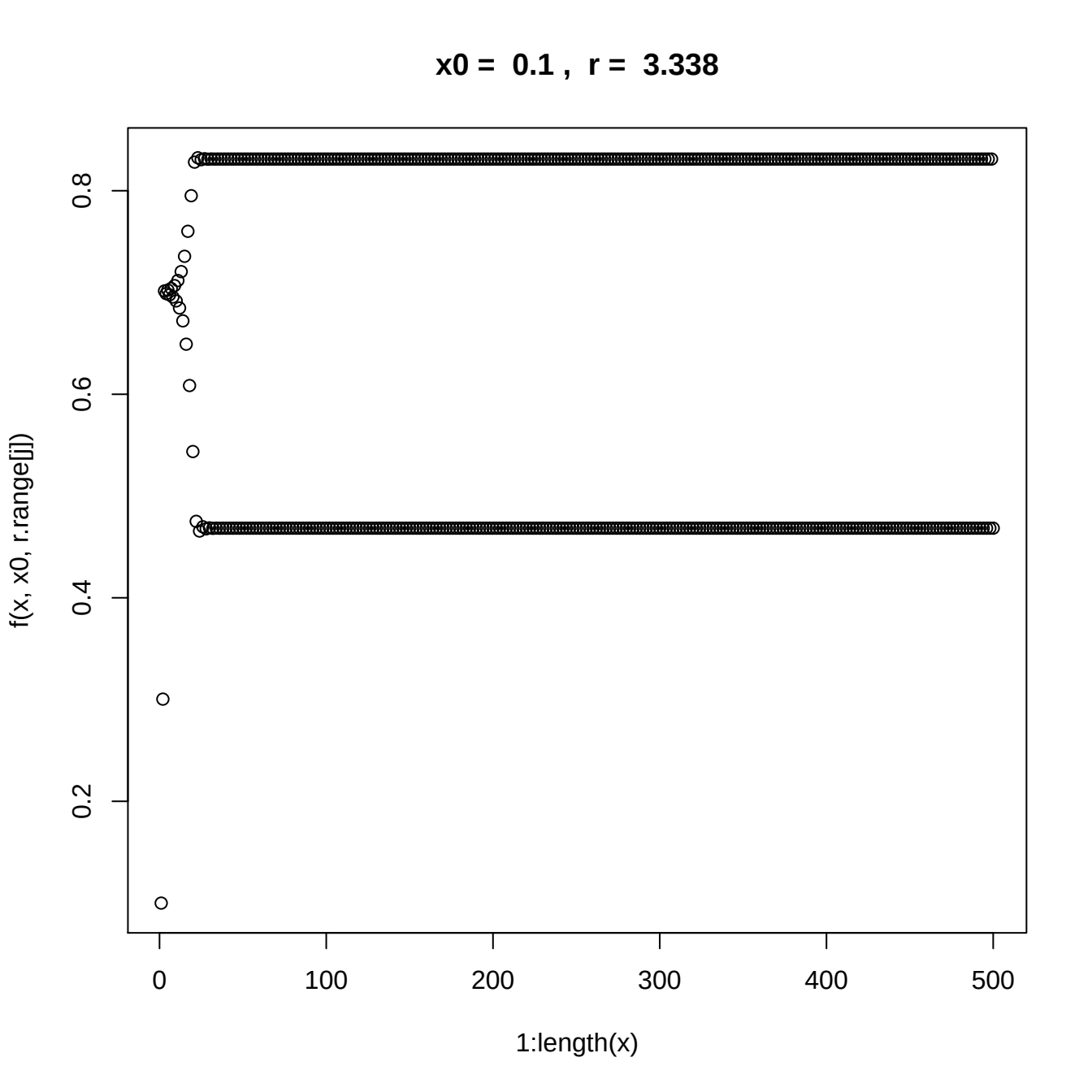

x0 = 0.1 , r = 3.328
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

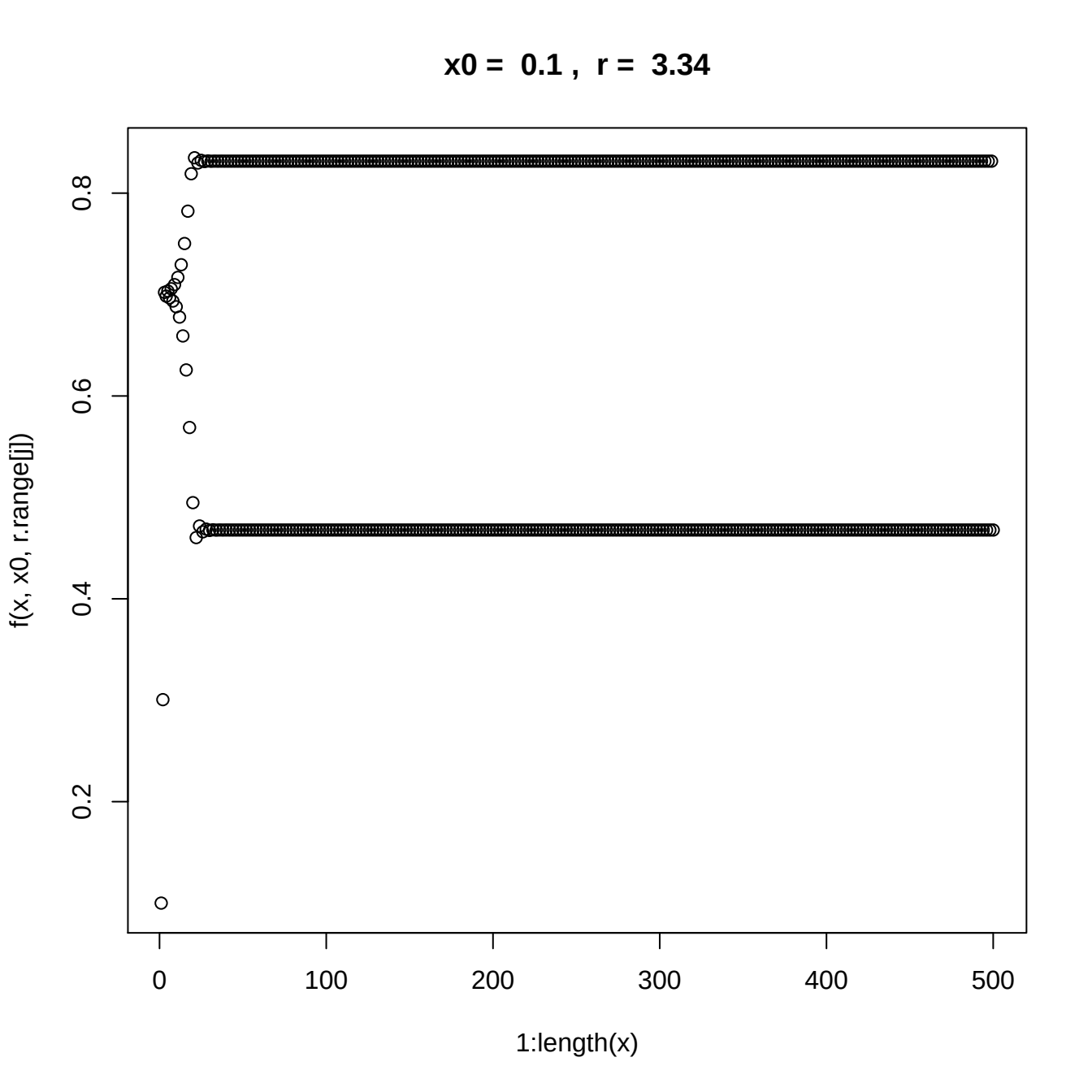

x0 = 0.1 , r = 3.33
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

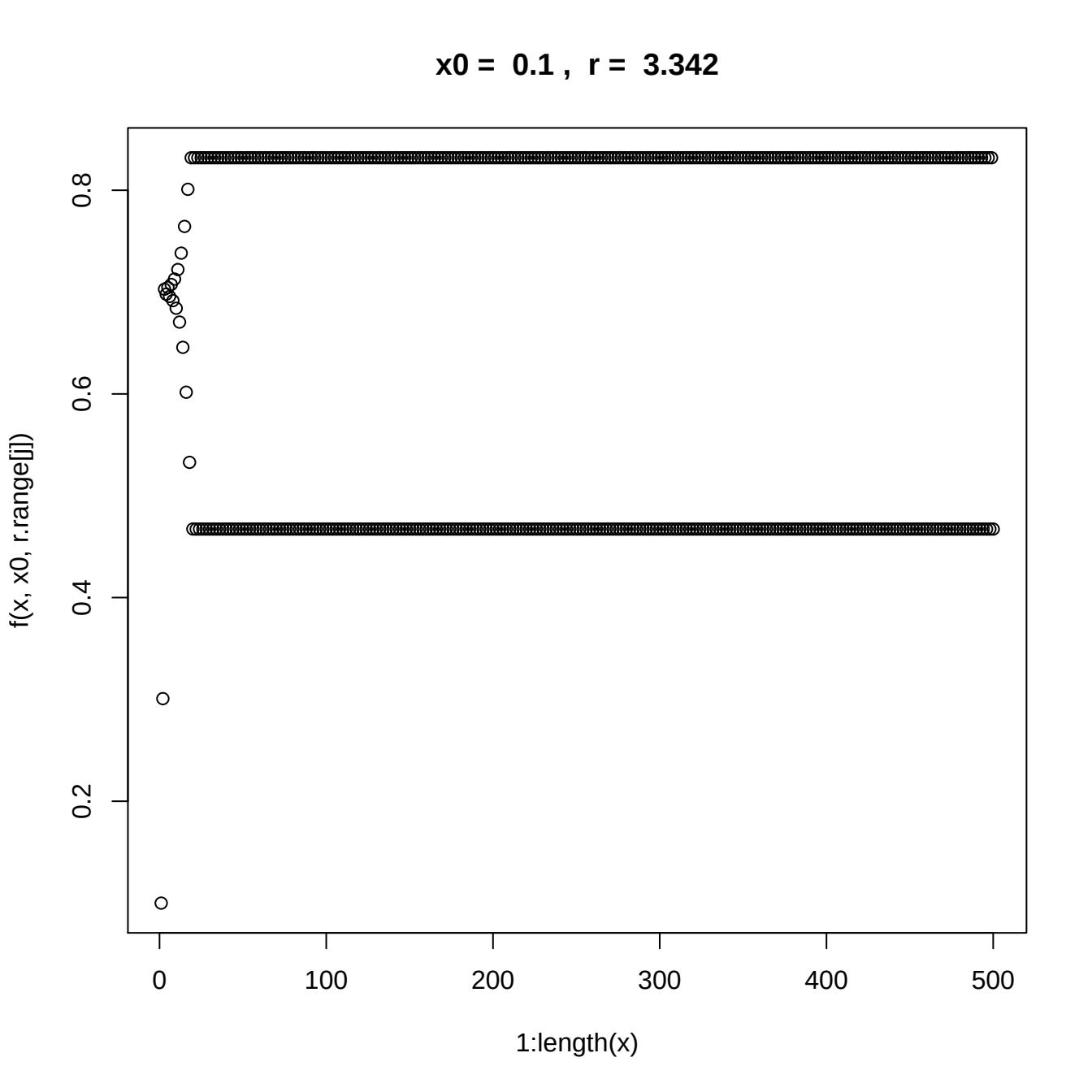

x0 = 0.1 , r = 3.332
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

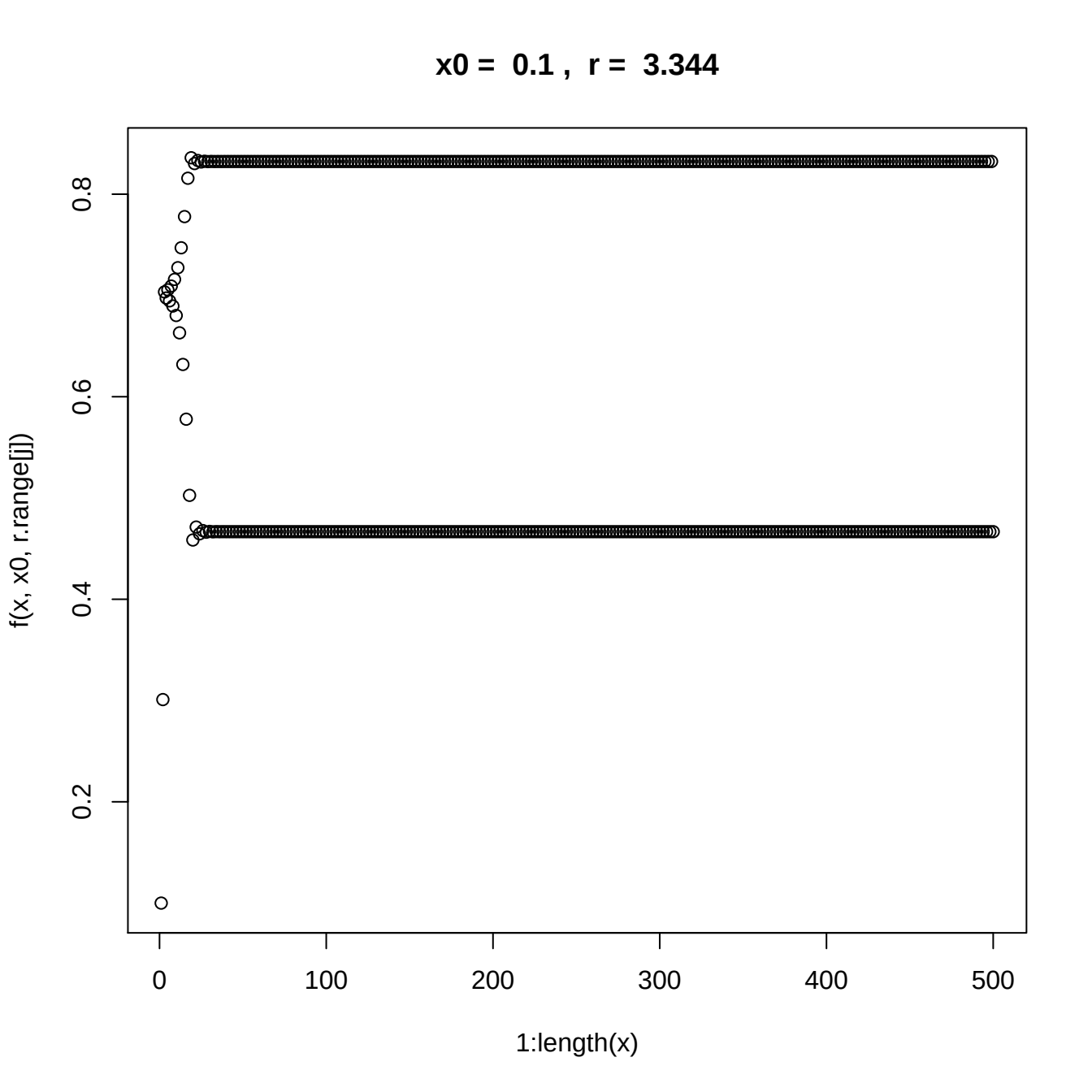

x0 = 0.1 , r = 3.334
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

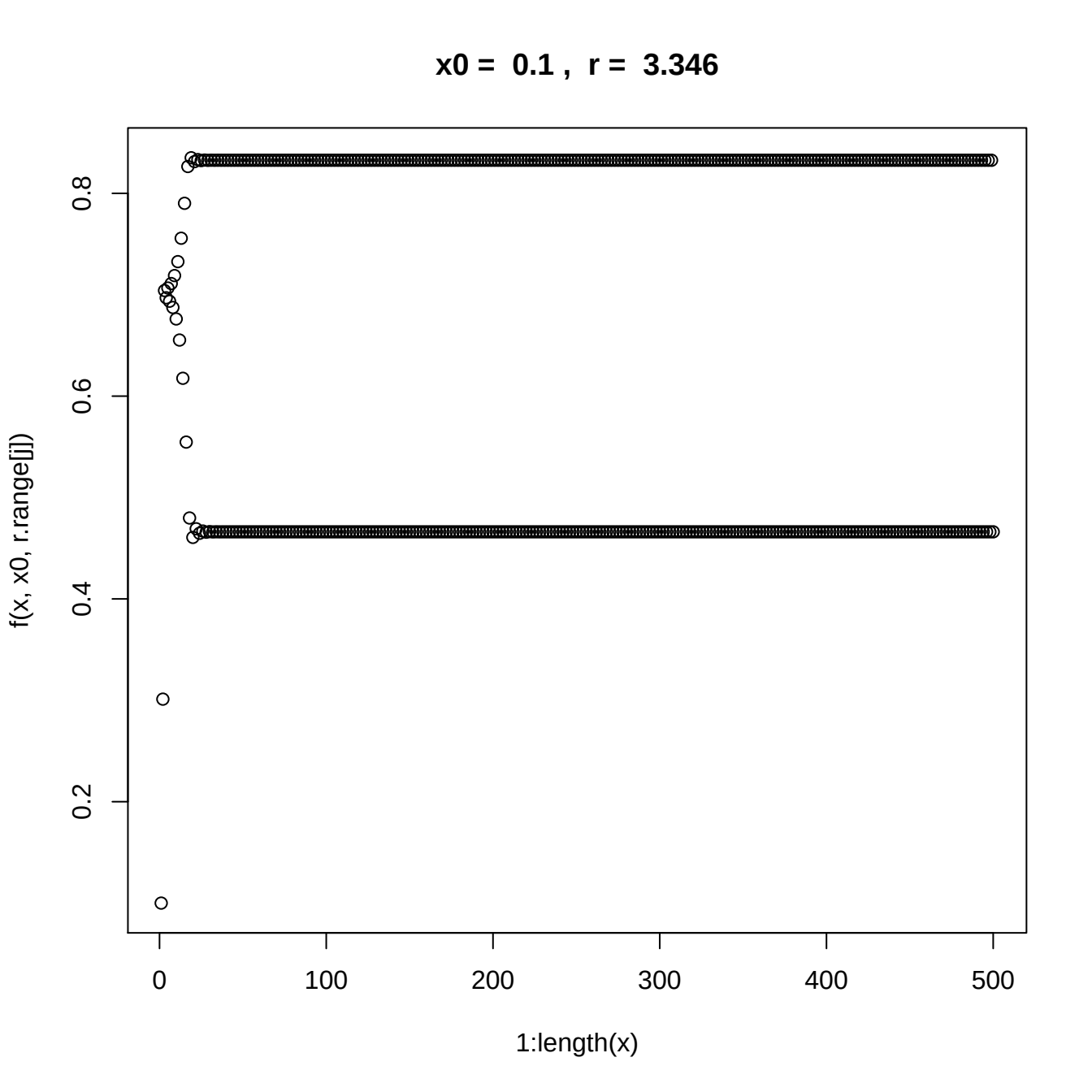

x0 = 0.1 , r = 3.336
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

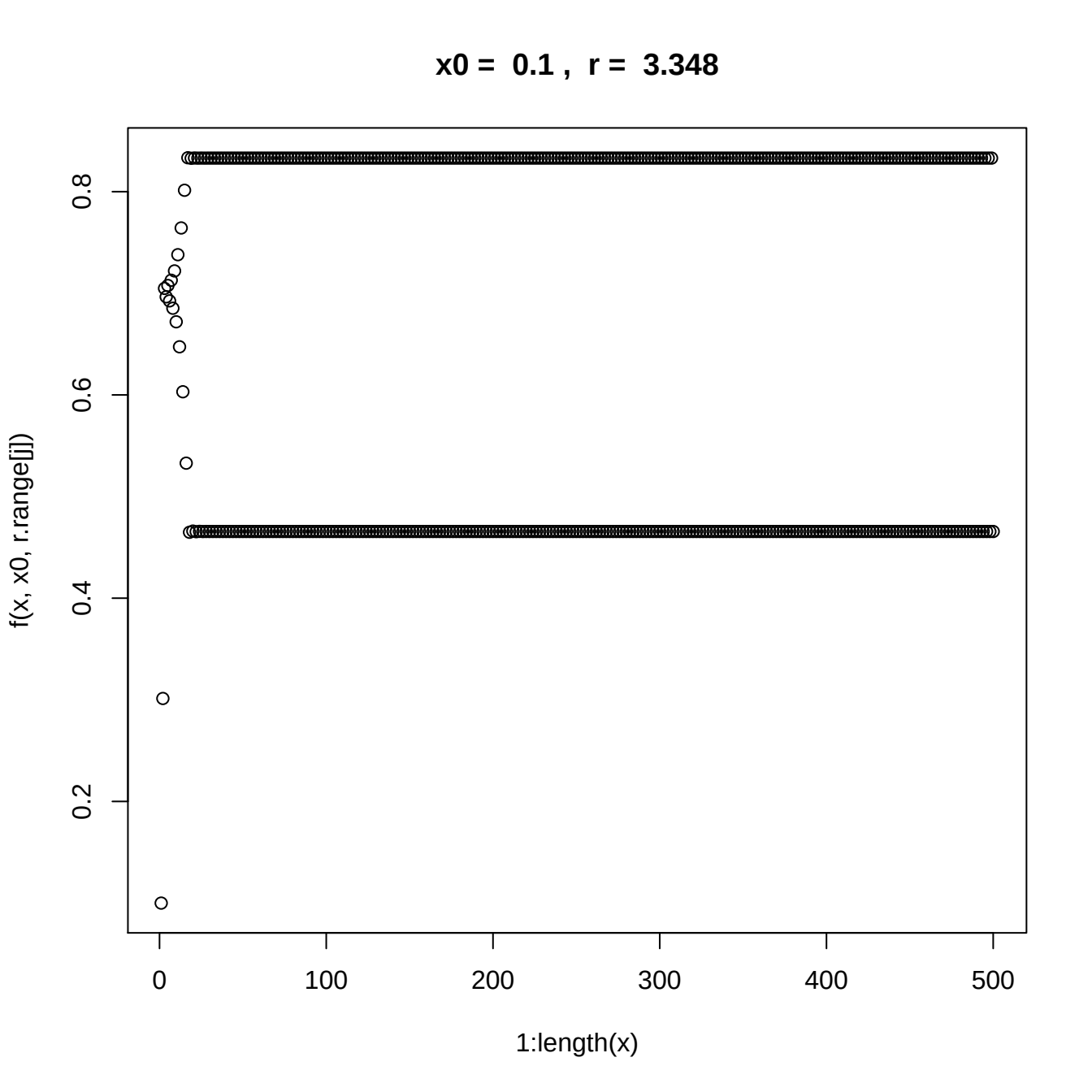

x0 = 0.1 , r = 3.338
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

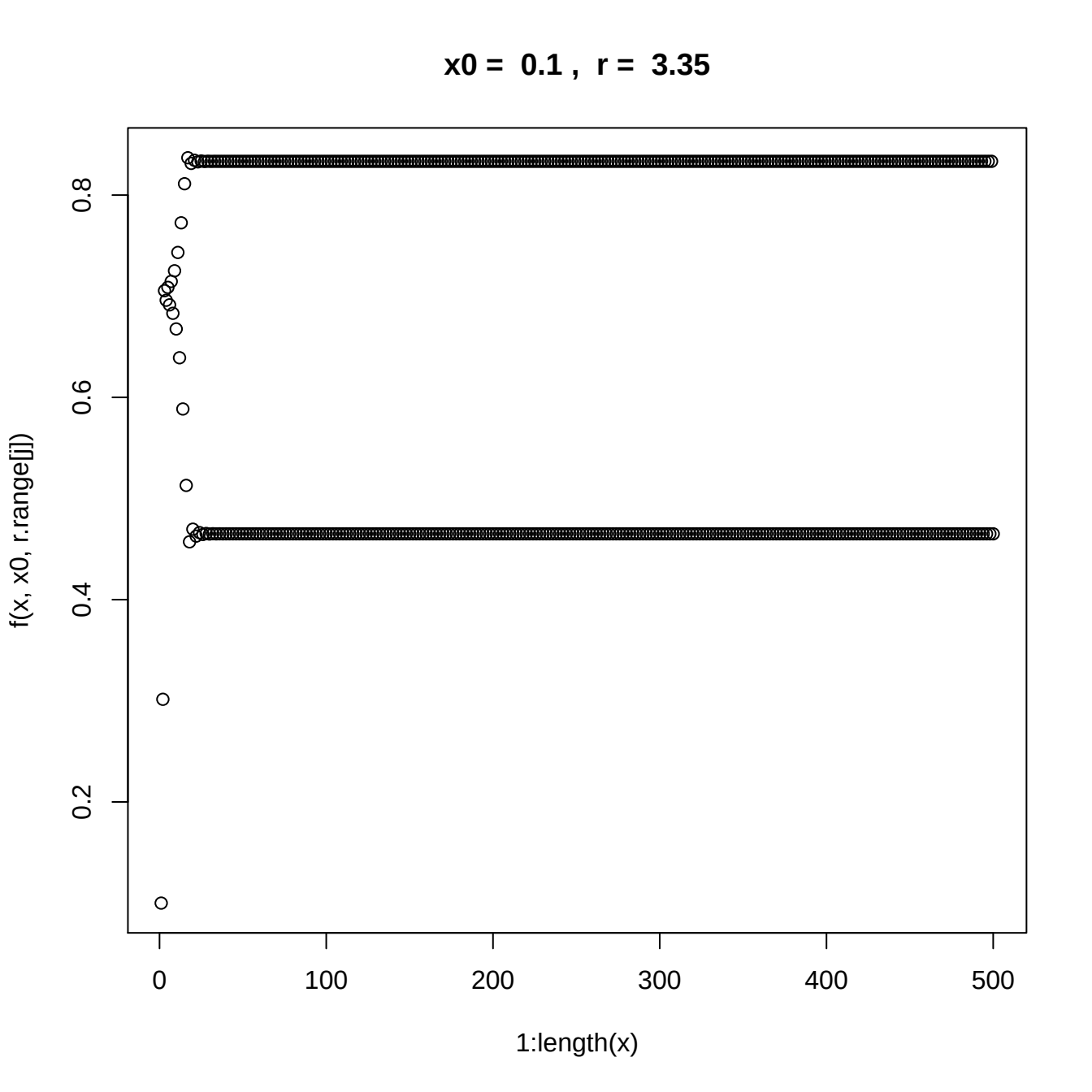

x0 = 0.1 , r = 3.34
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

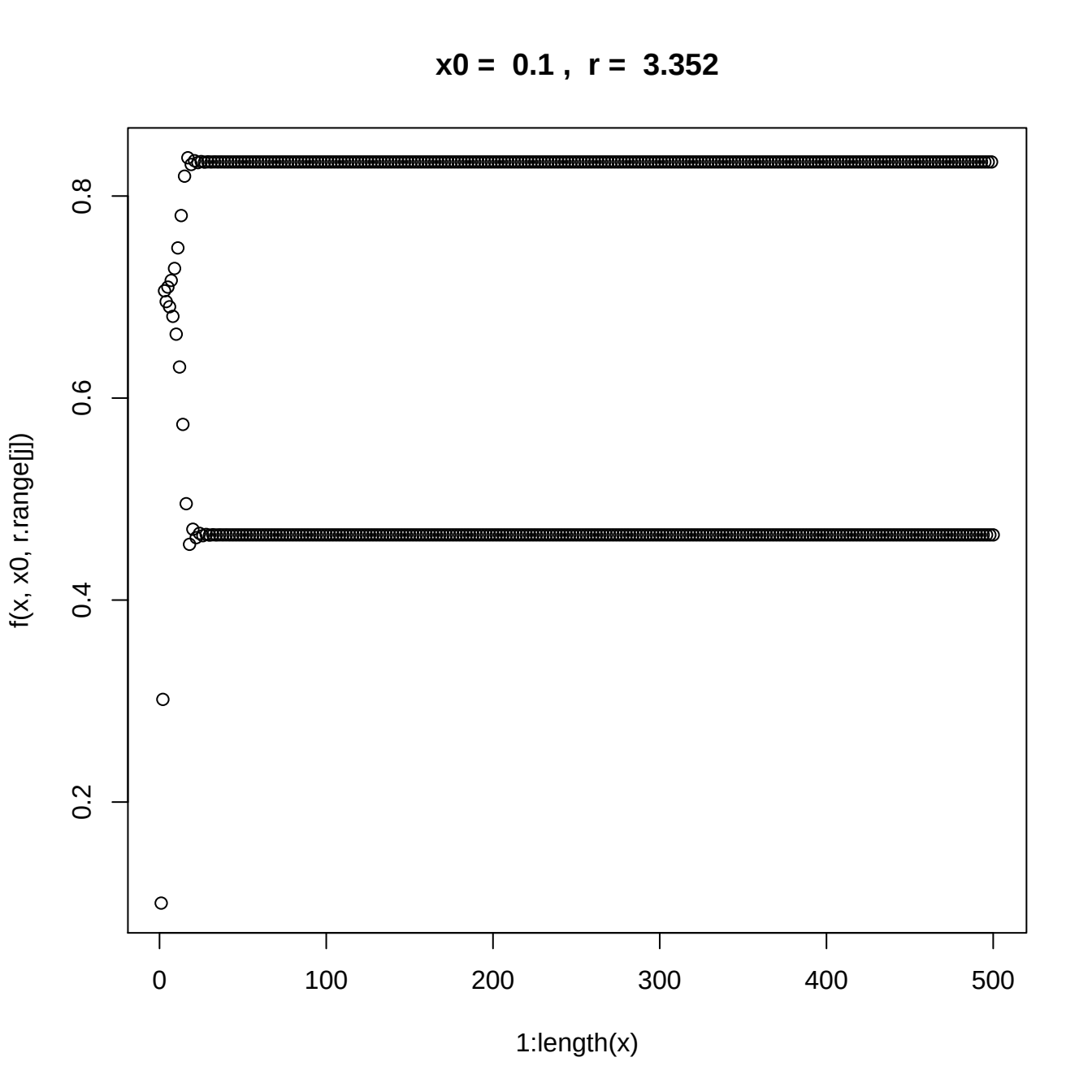

x0 = 0.1 , r = 3.342
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

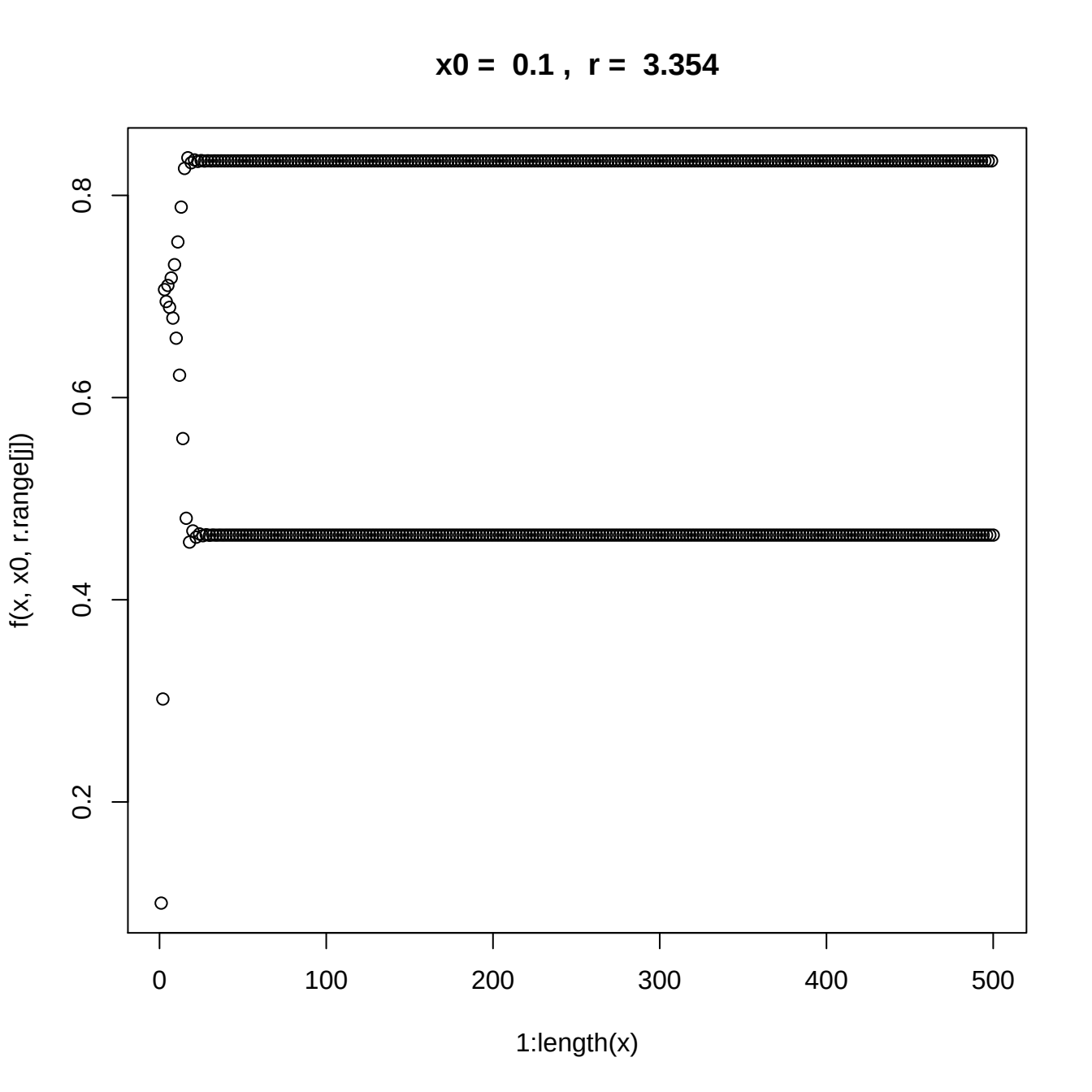

x0 = 0.1 , r = 3.344
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

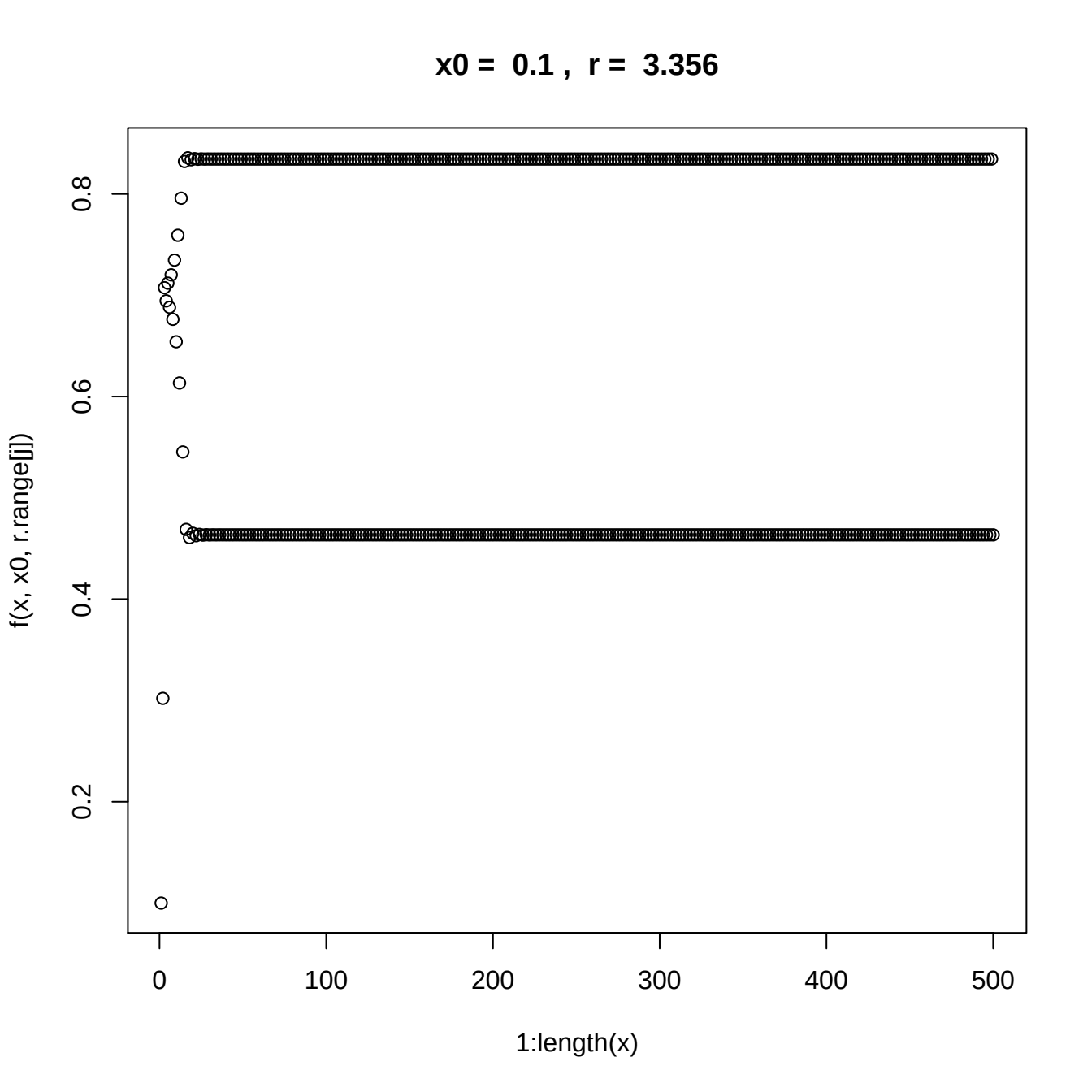

x0 = 0.1 , r = 3.346
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

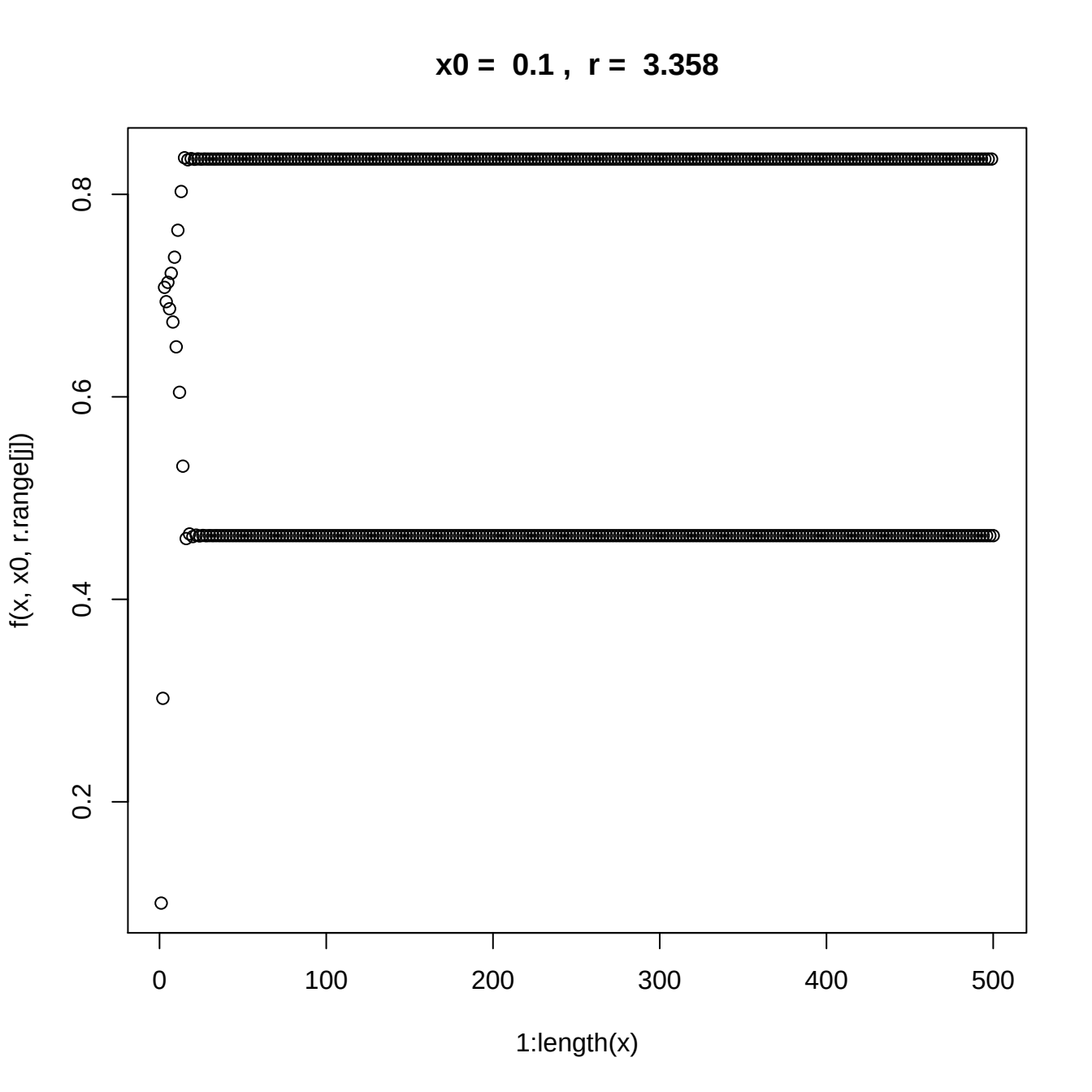

x0 = 0.1 , r = 3.348
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

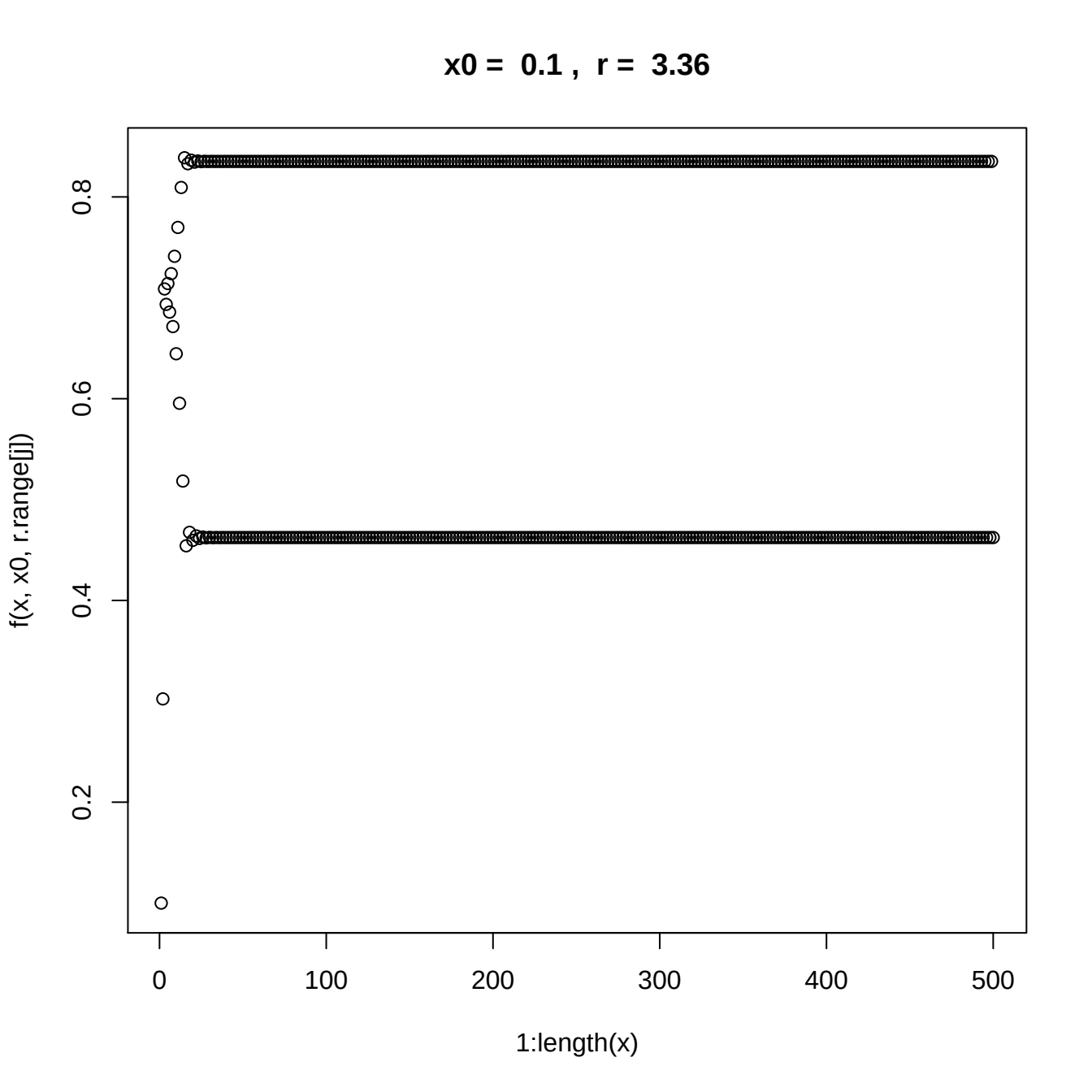

x0 = 0.1 , r = 3.35
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

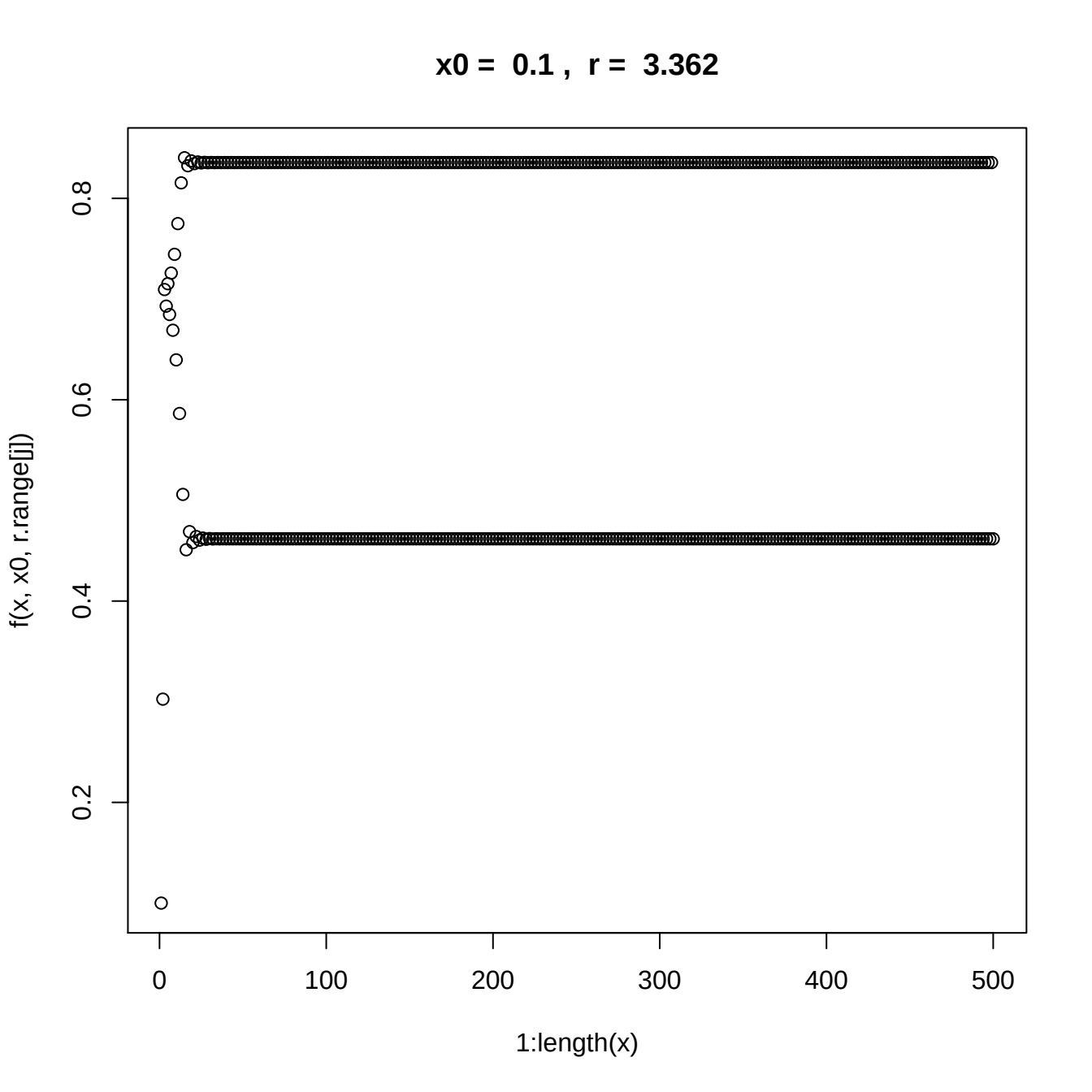

x0 = 0.1 , r = 3.352
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

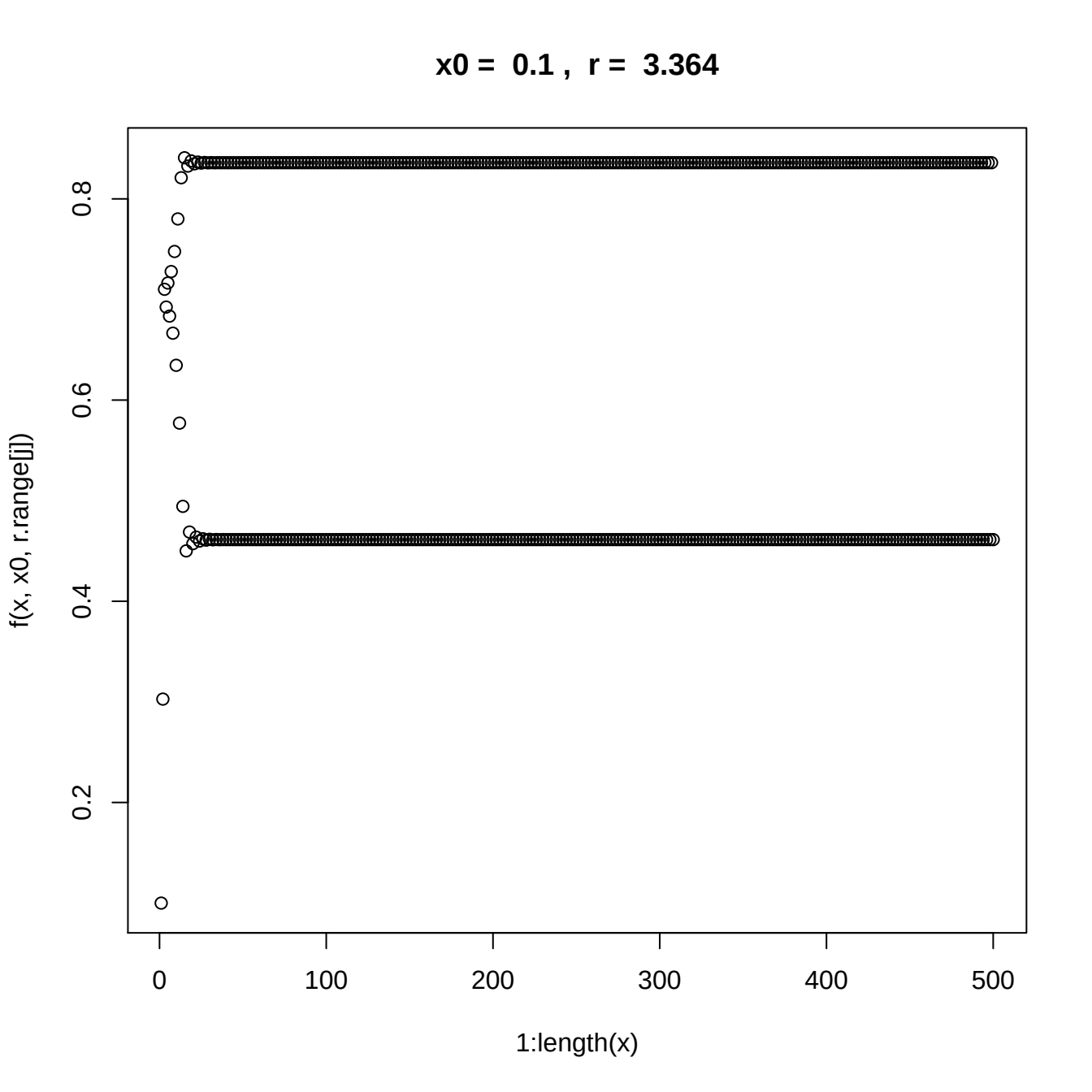

x0 = 0.1 , r = 3.354
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

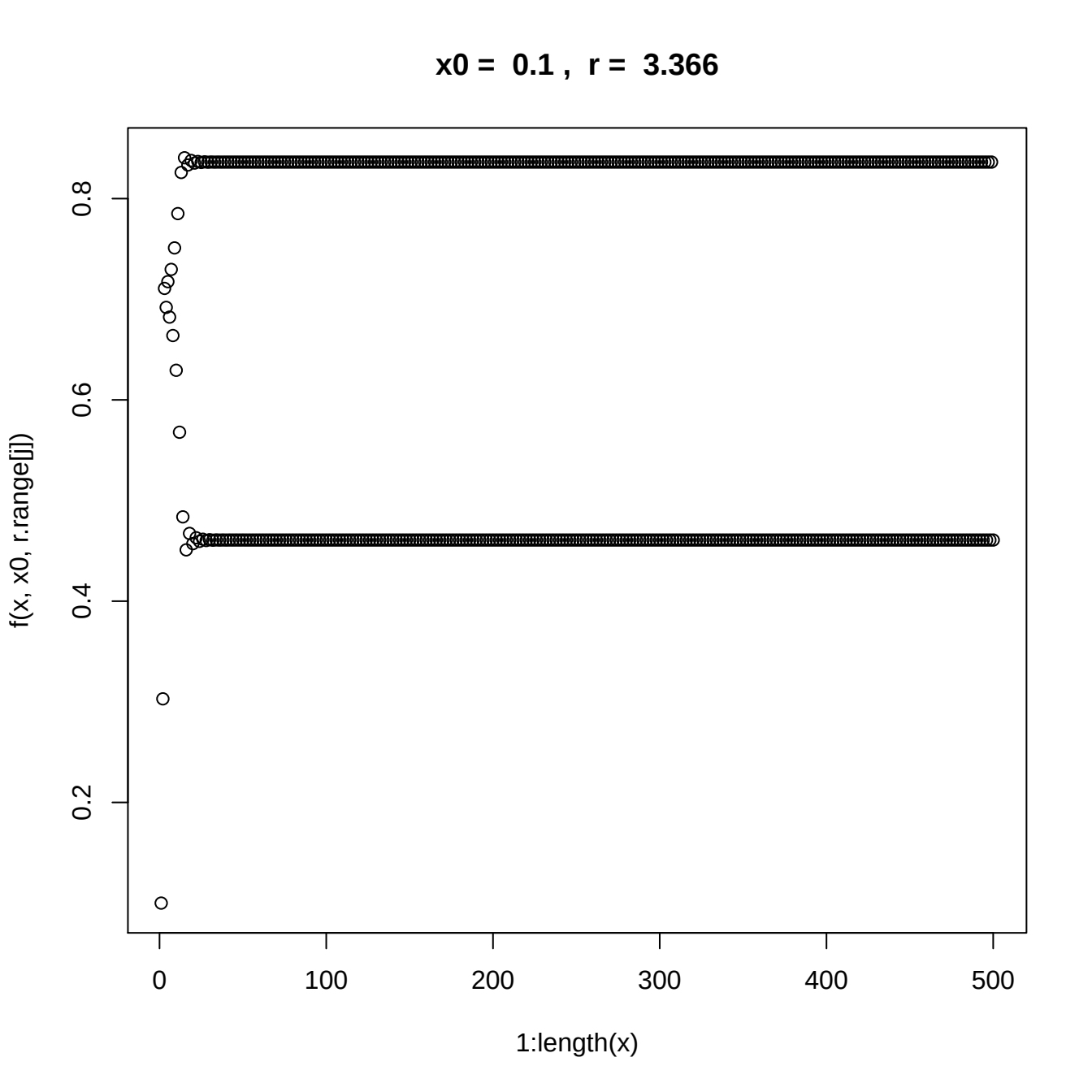

x0 = 0.1 , r = 3.356
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

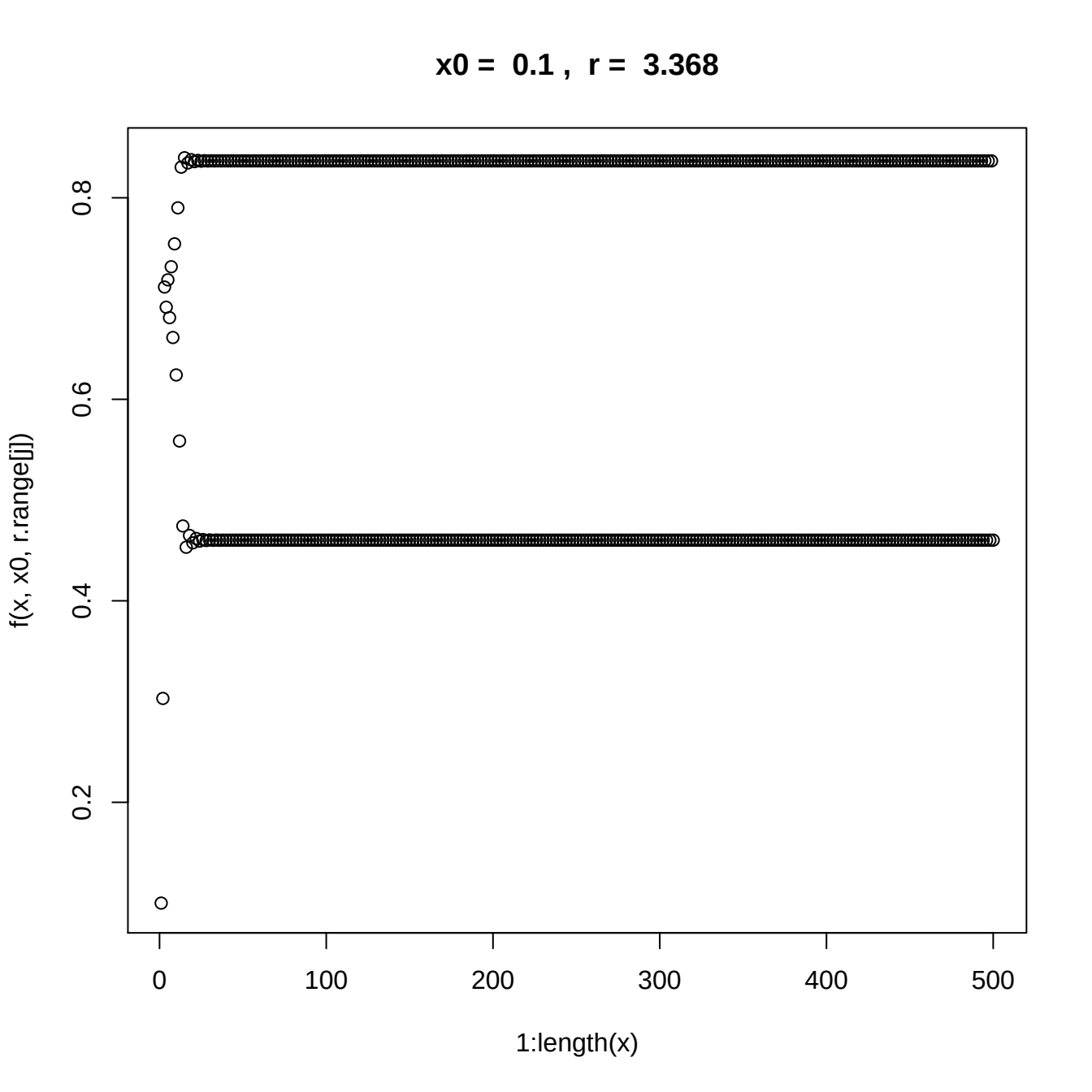

x0 = 0.1 , r = 3.358
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

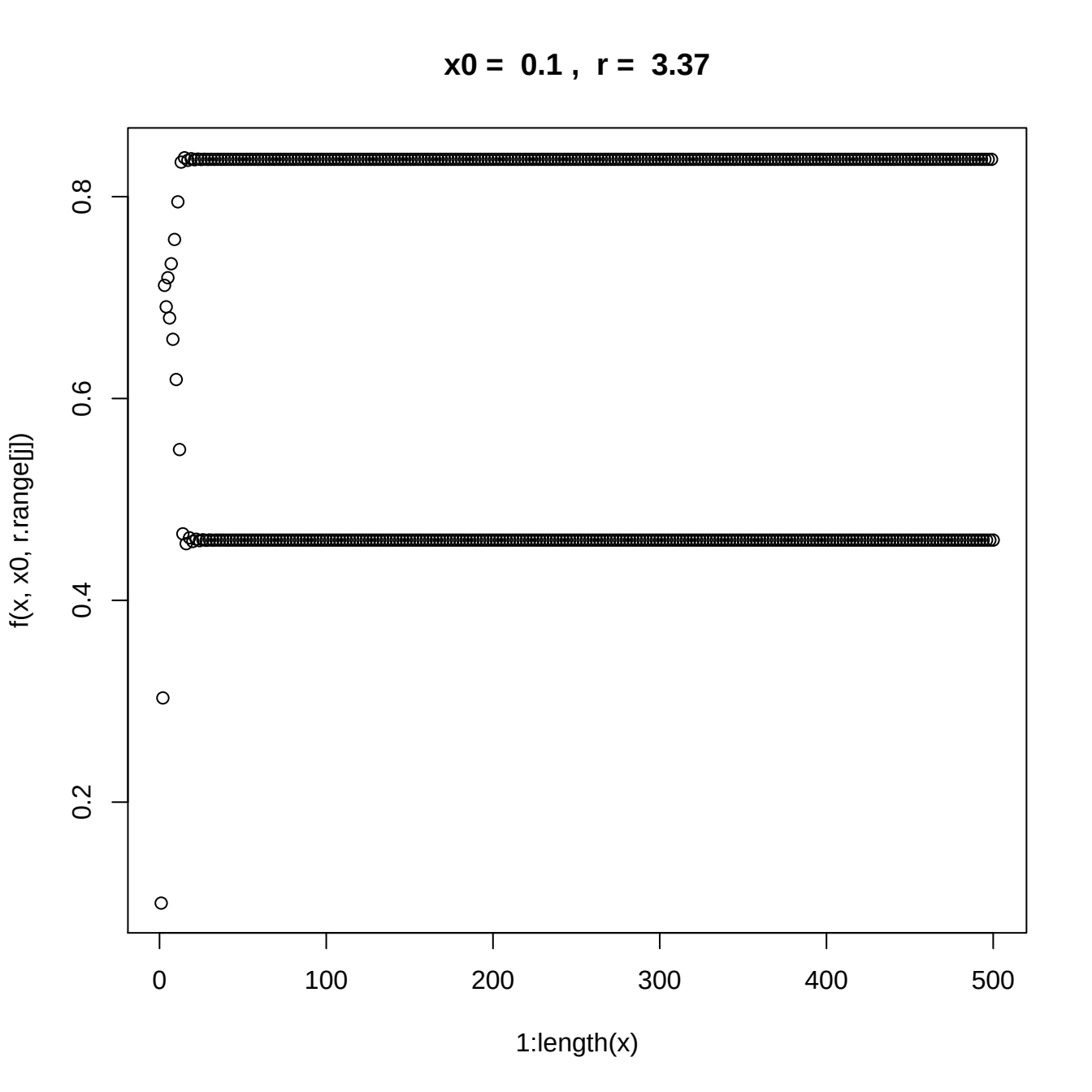

x0 = 0.1 , r = 3.36
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

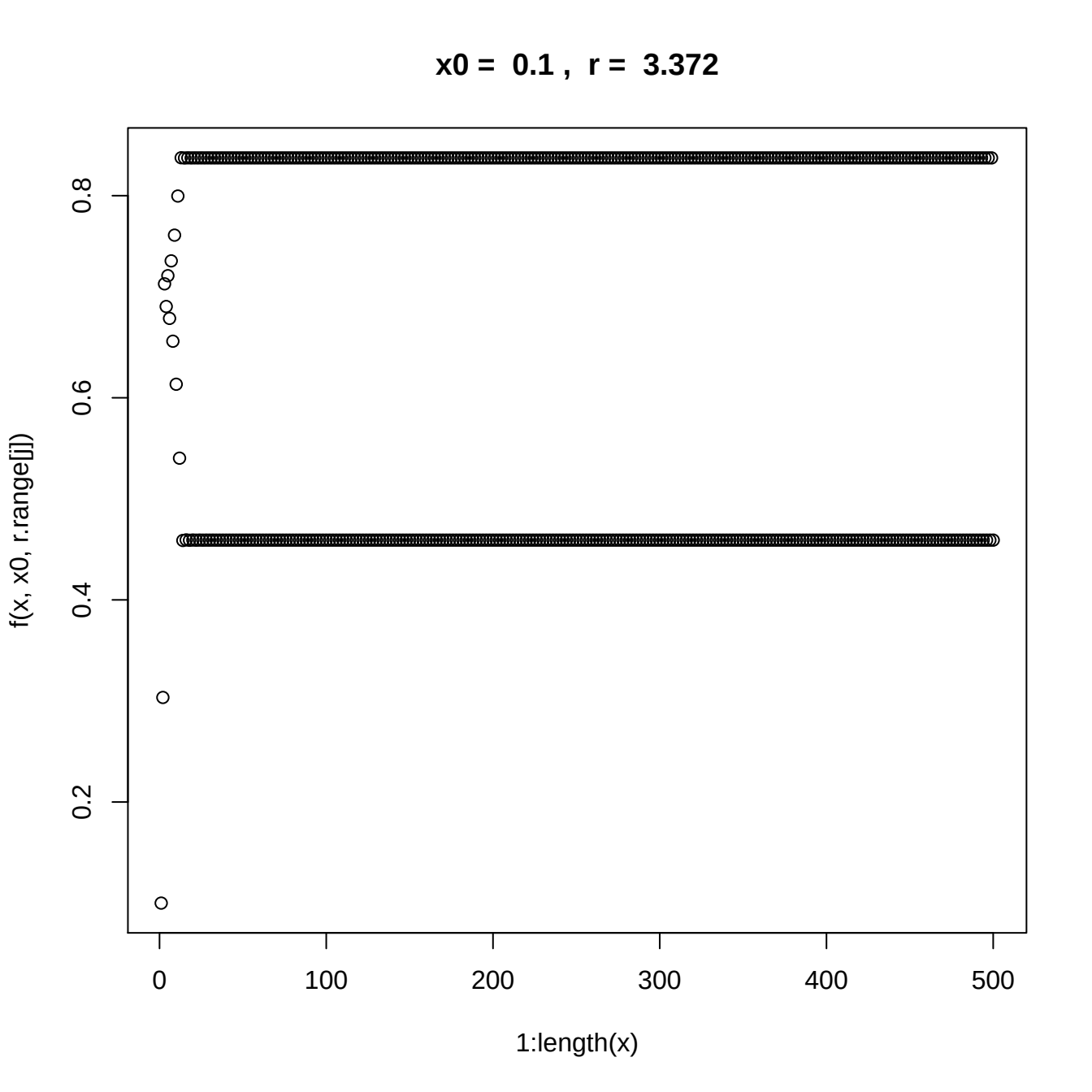

x0 = 0.1 , r = 3.362
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

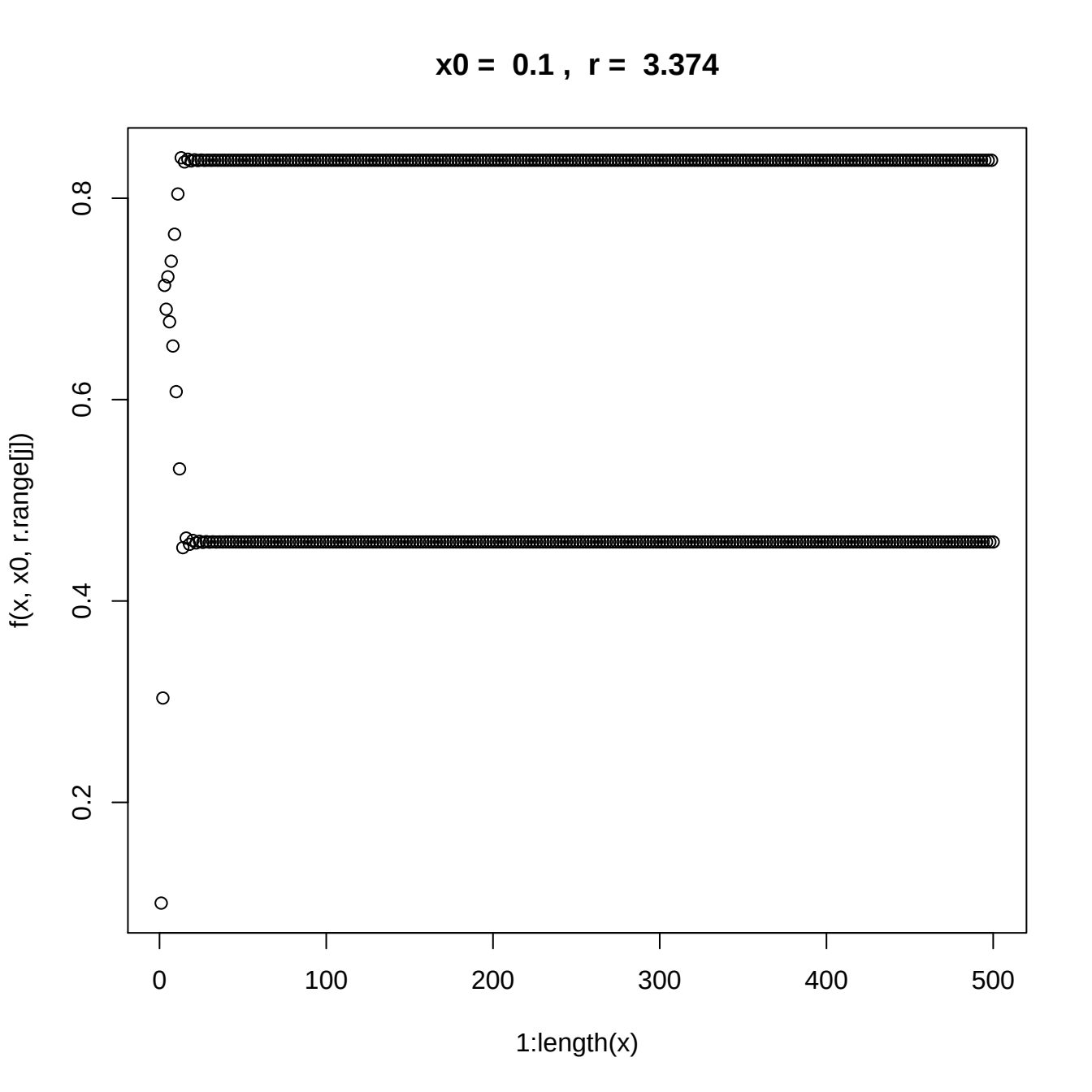

x0 = 0.1 , r = 3.364
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

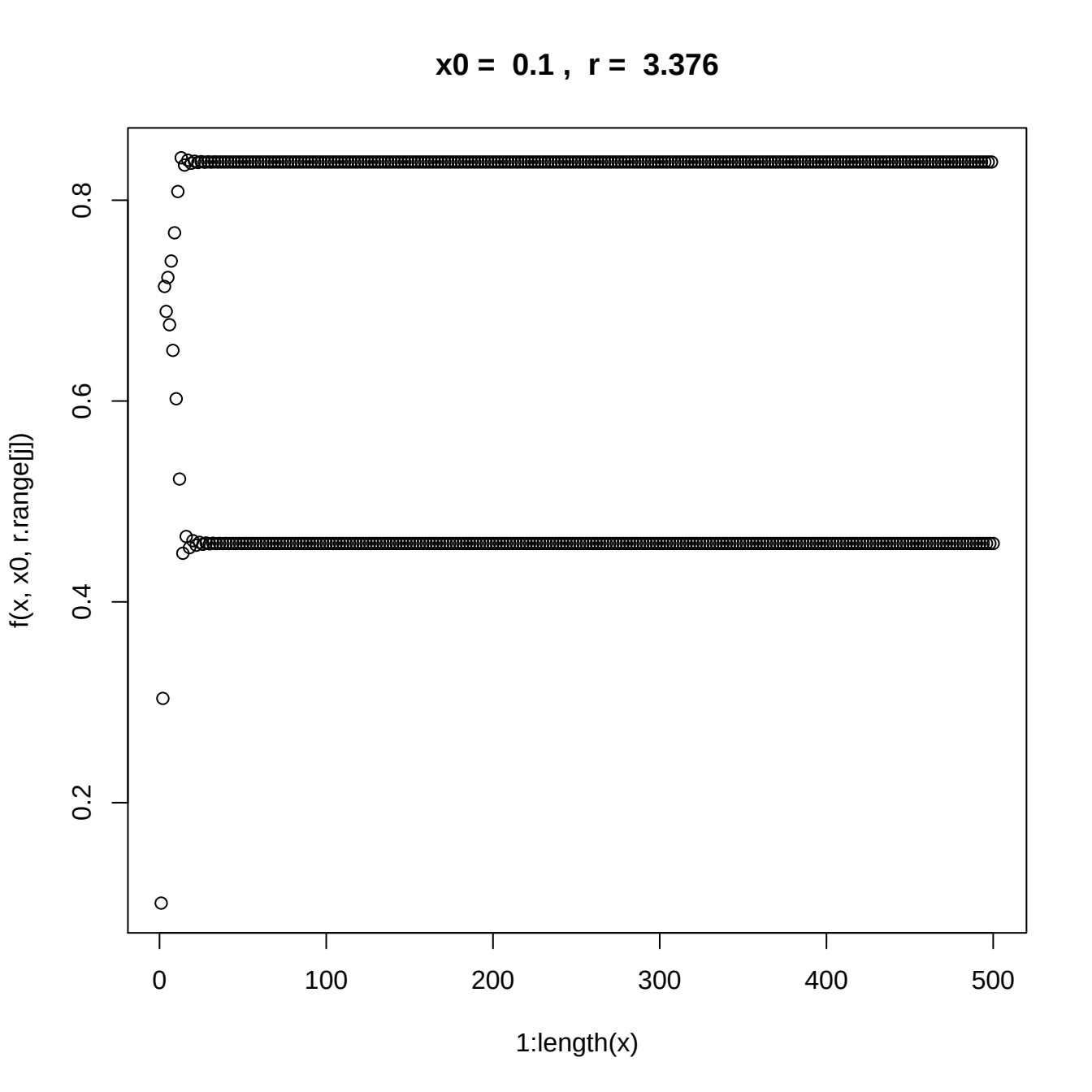

x0 = 0.1 , r = 3.366
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

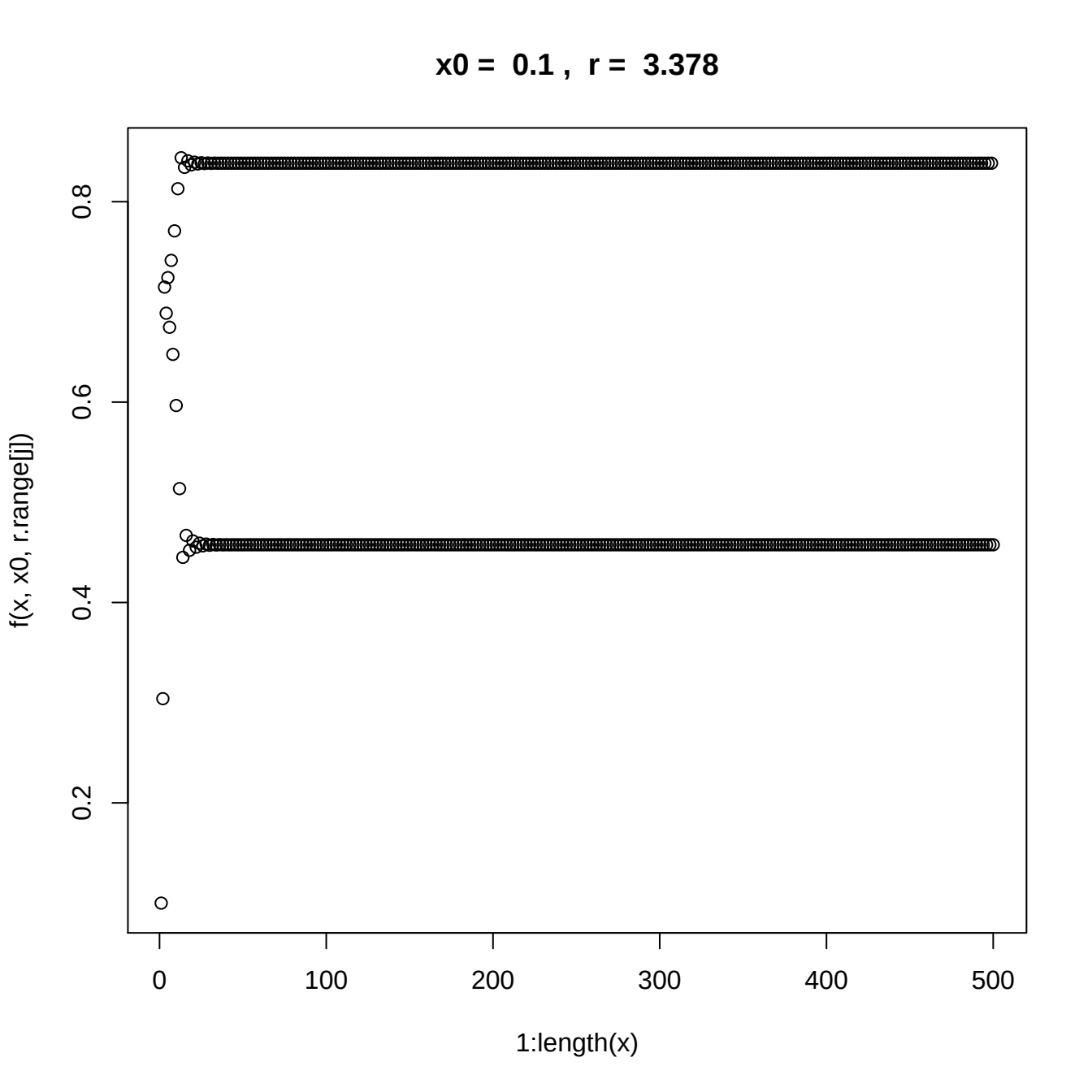

x0 = 0.1 , r = 3.368
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

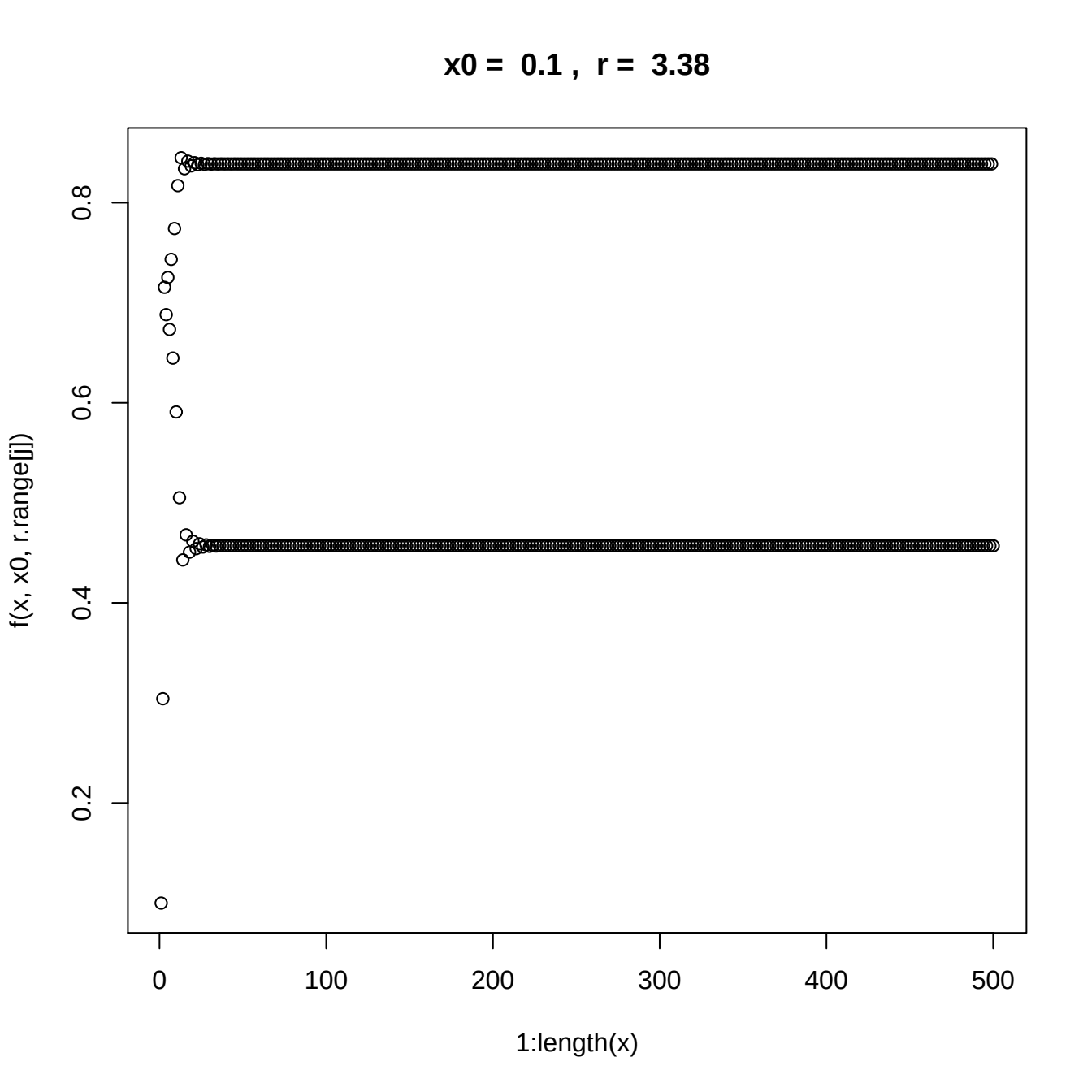

x0 = 0.1 , r = 3.37
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

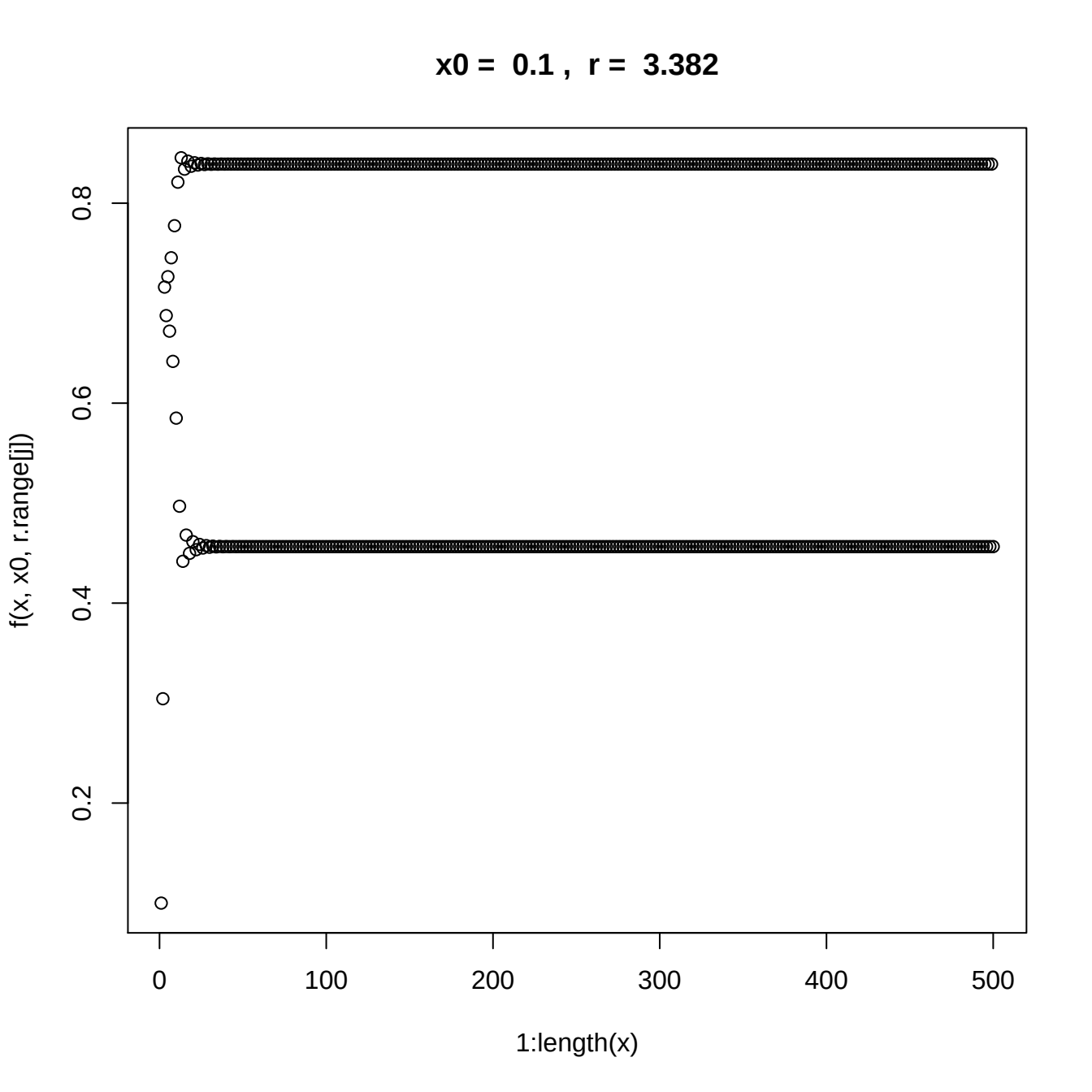

x0 = 0.1 , r = 3.372
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

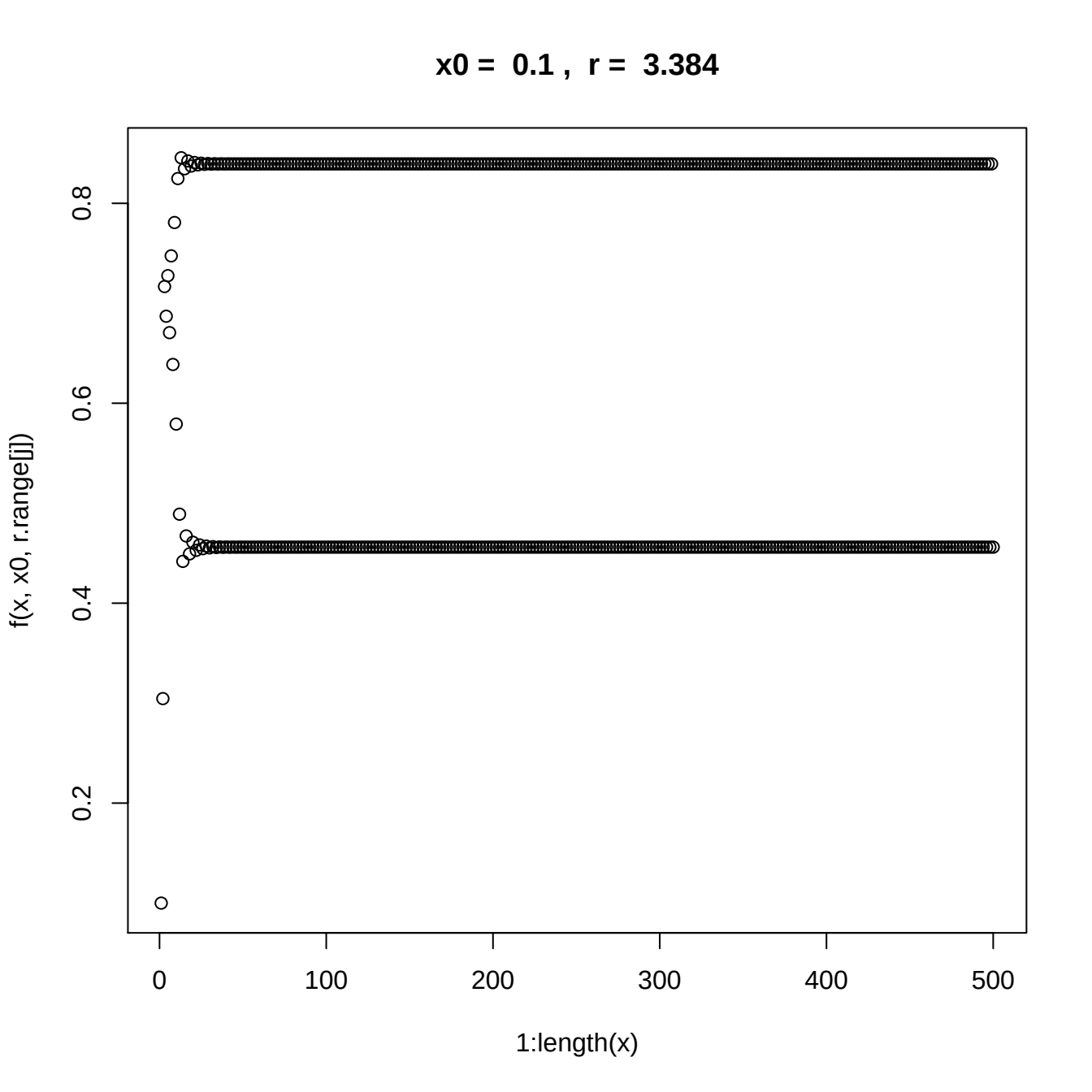

x0 = 0.1 , r = 3.374
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

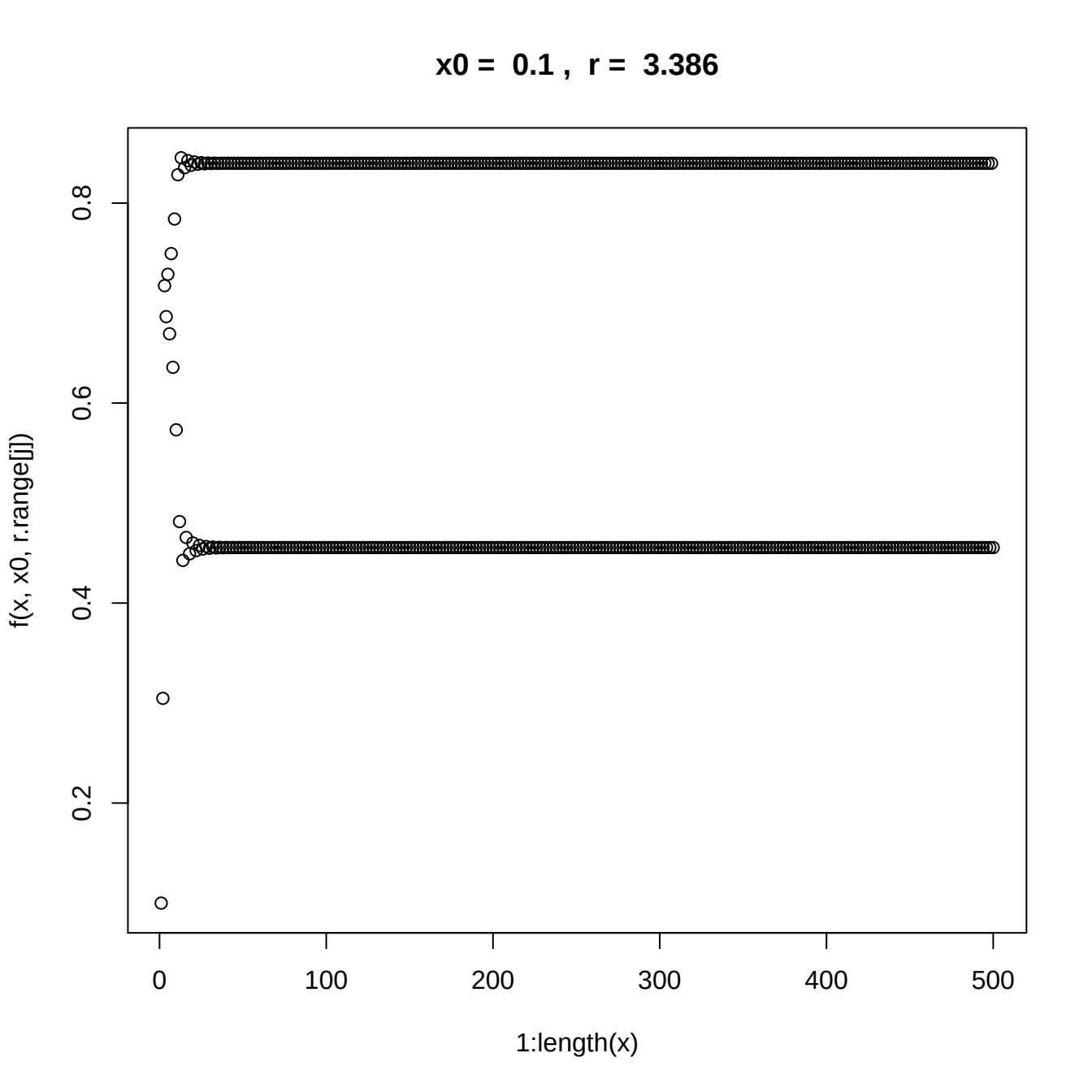

x0 = 0.1 , r = 3.376
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

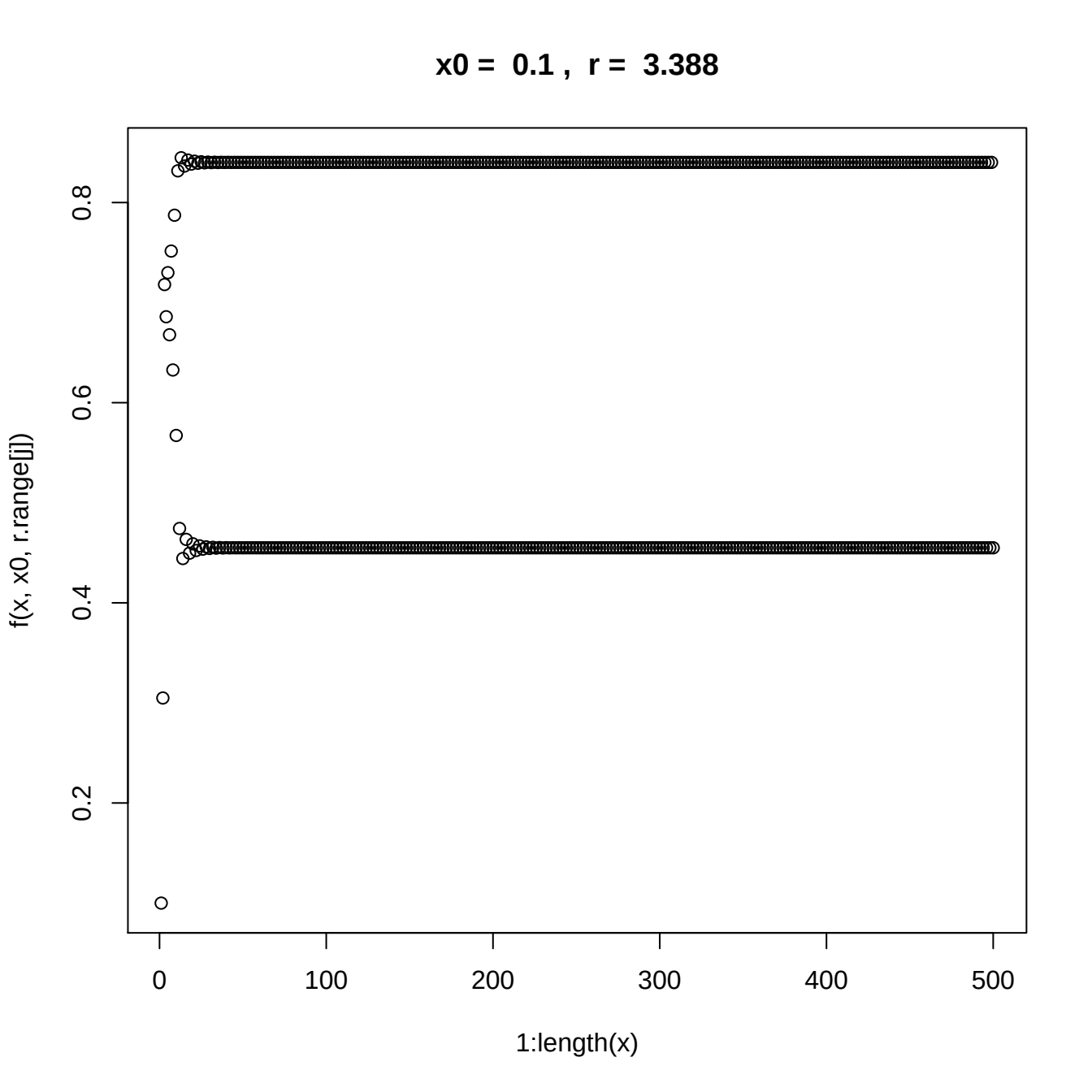

x0 = 0.1 , r = 3.378
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

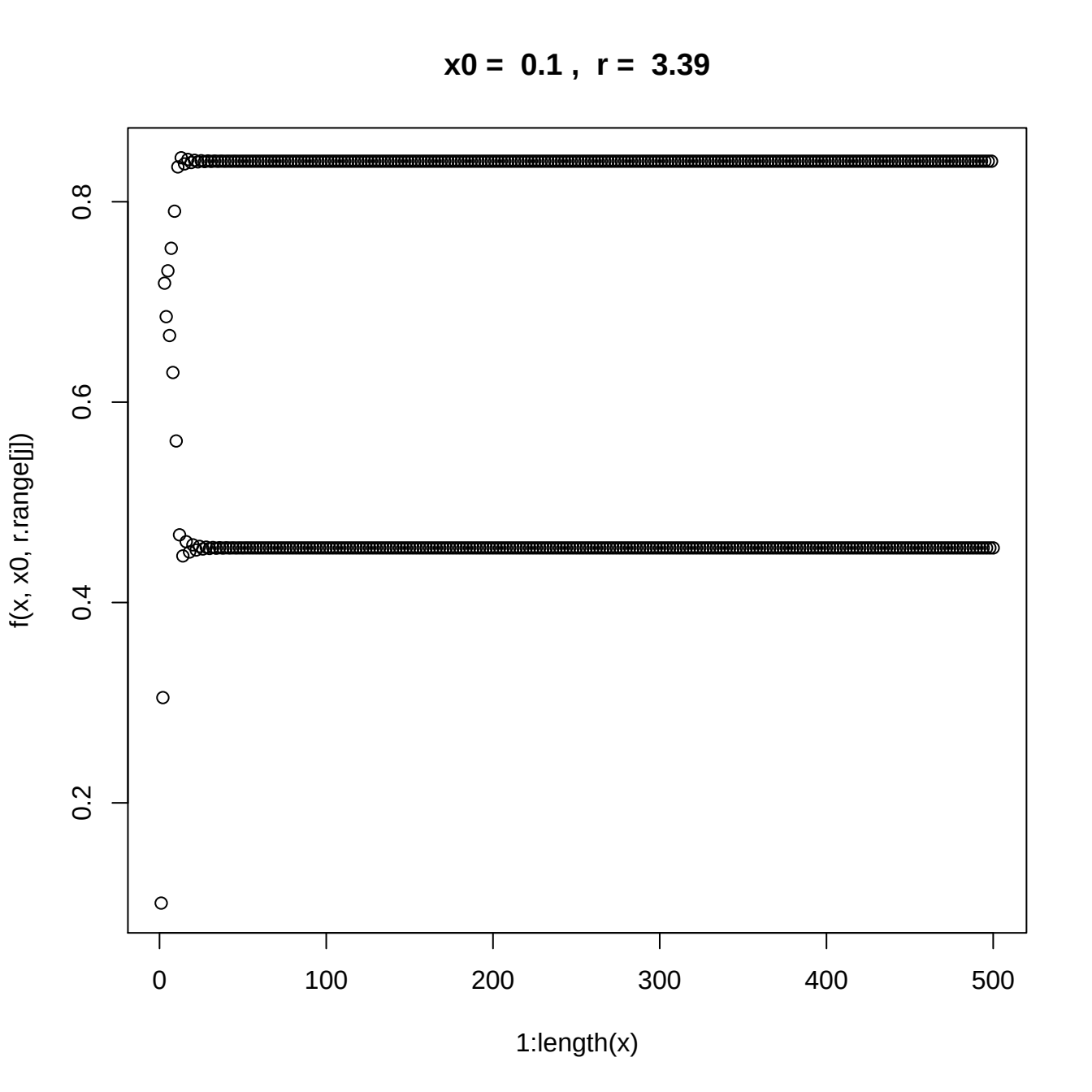

x0 = 0.1 , r = 3.38
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

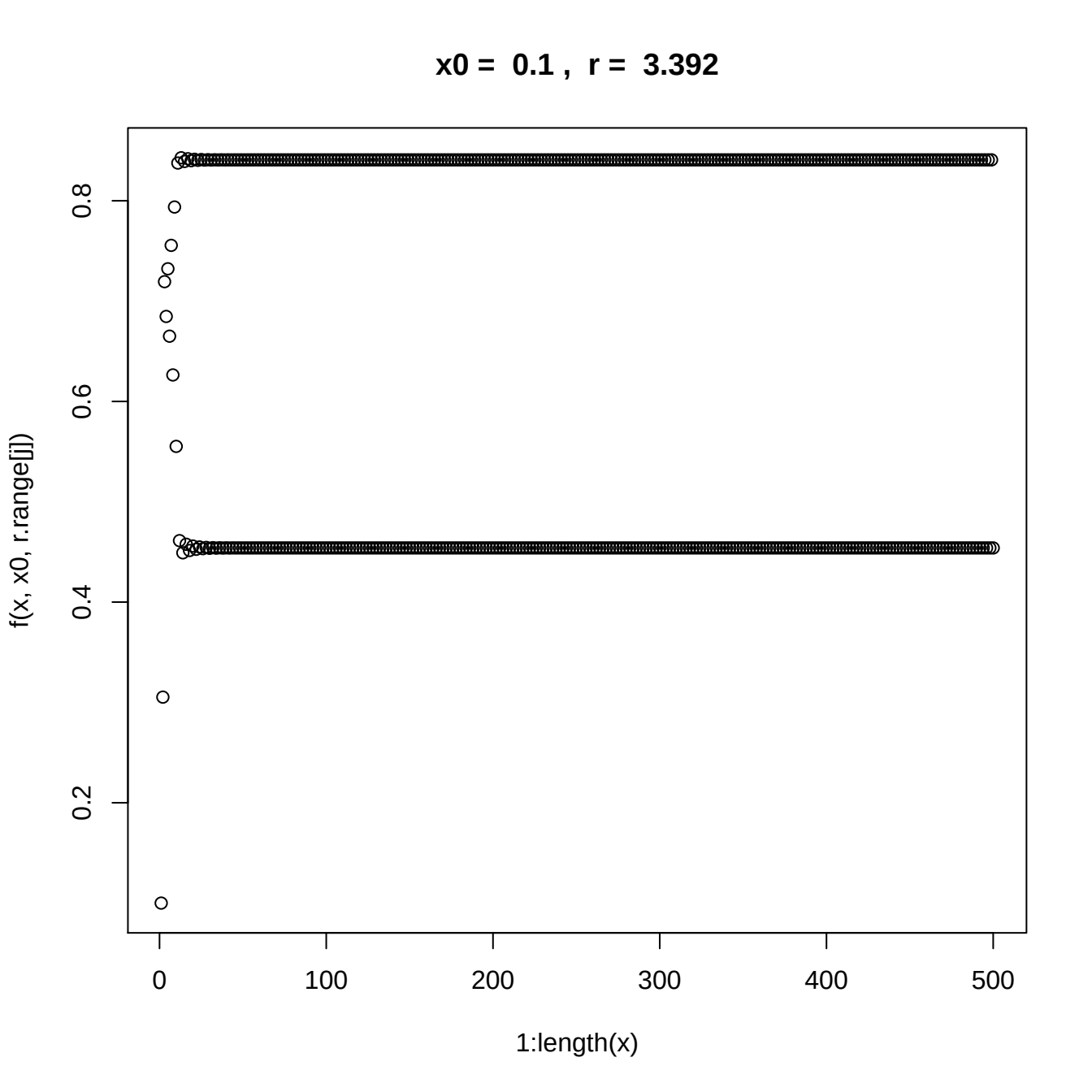

x0 = 0.1 , r = 3.382
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

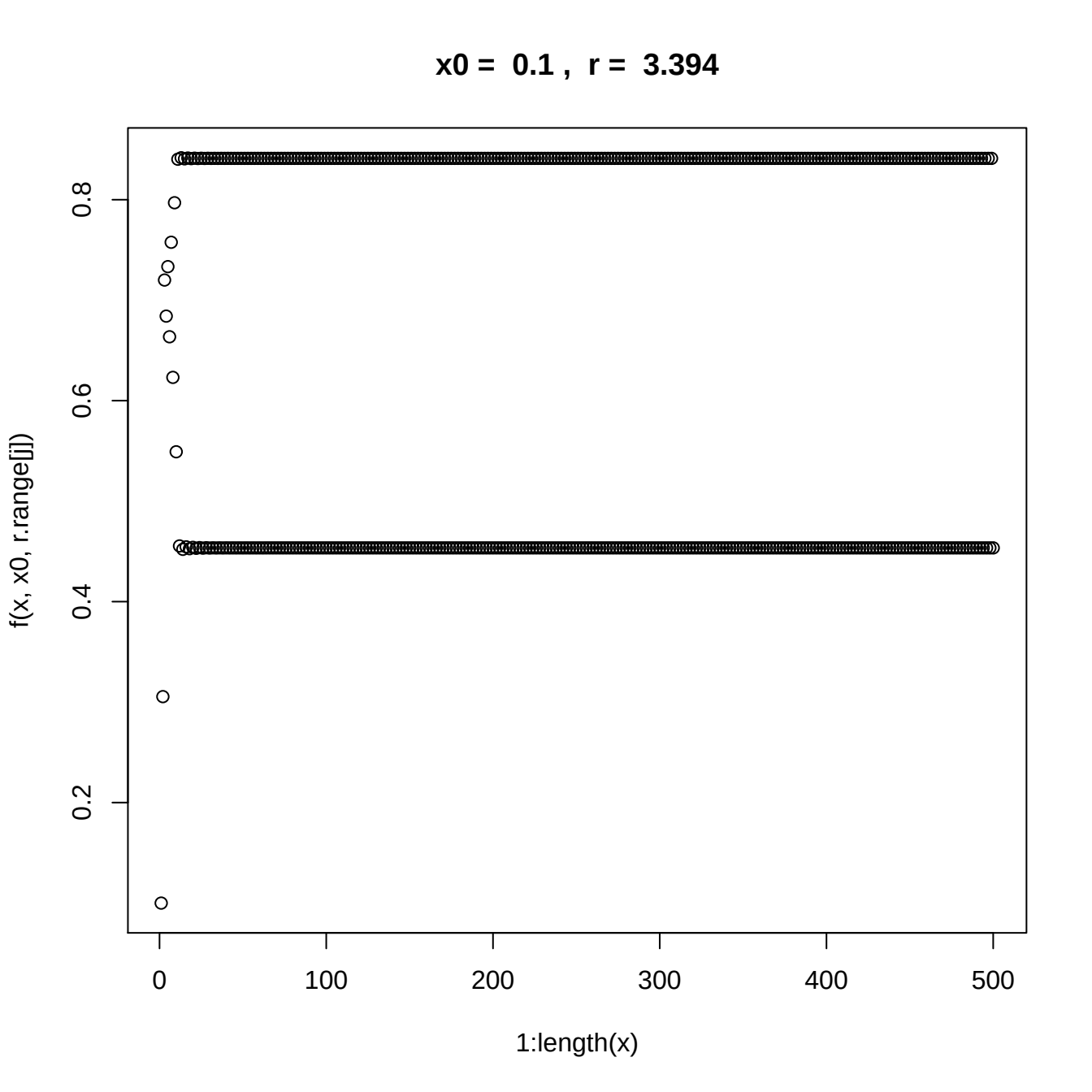

x0 = 0.1 , r = 3.384
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

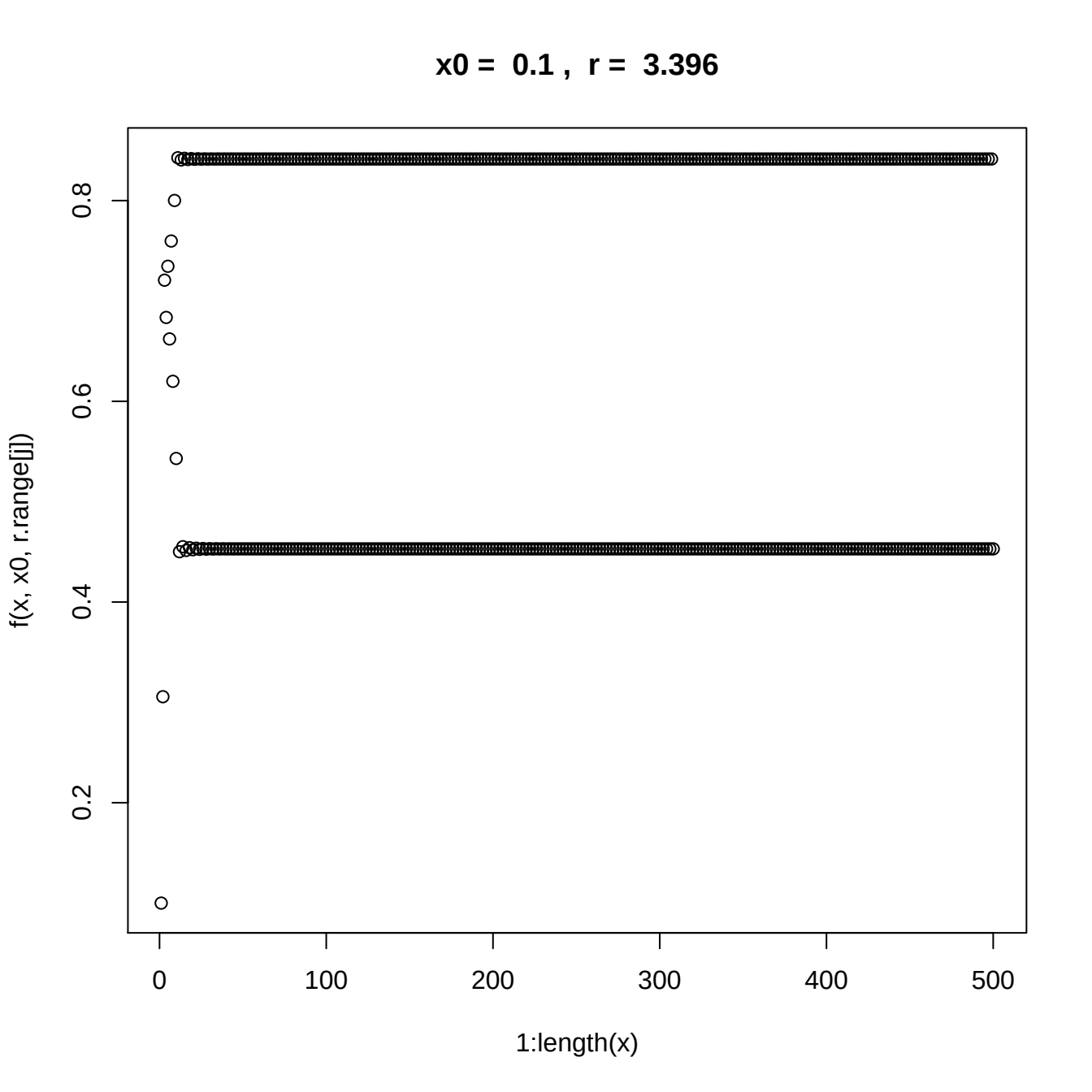

x0 = 0.1 , r = 3.386
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

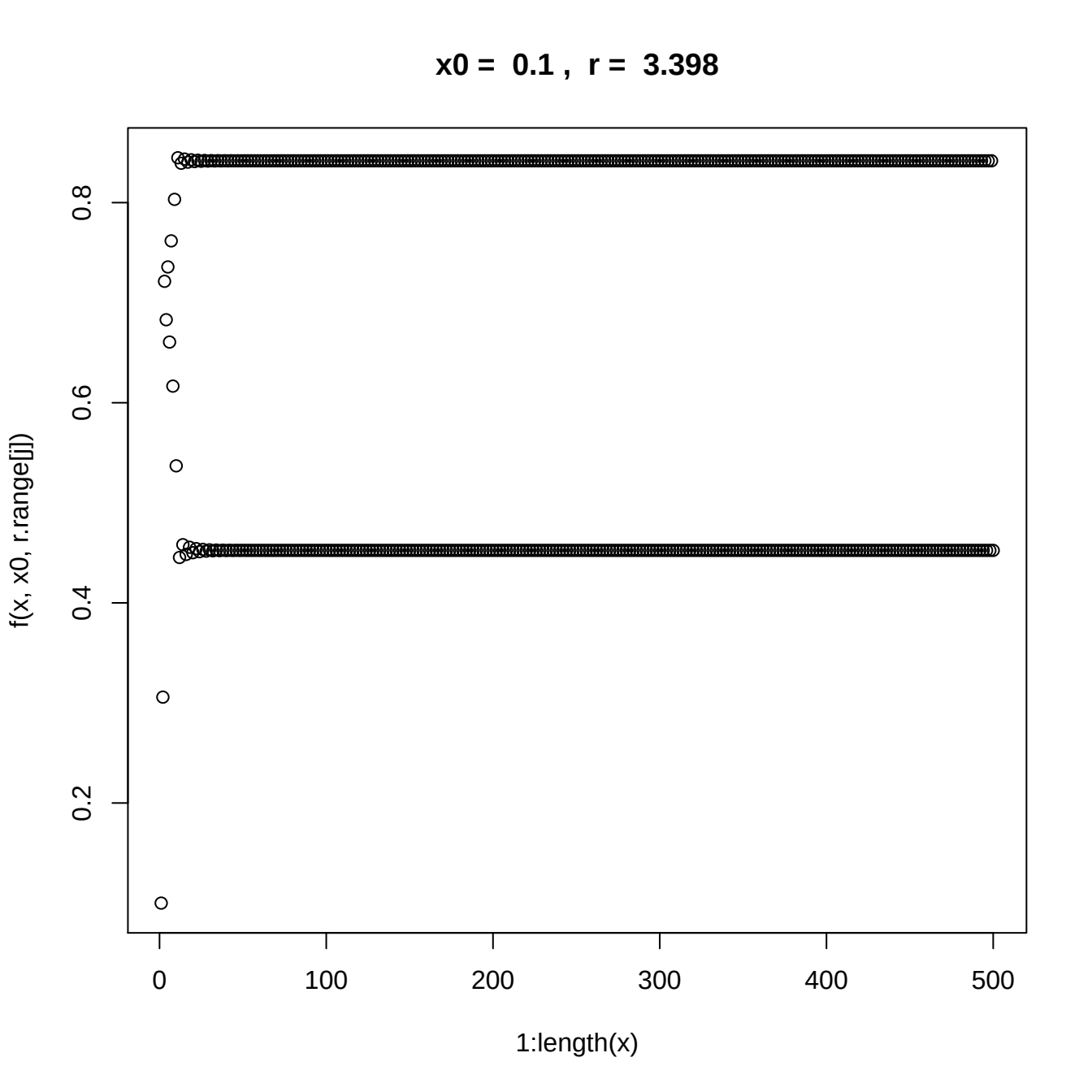

x0 = 0.1 , r = 3.388
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

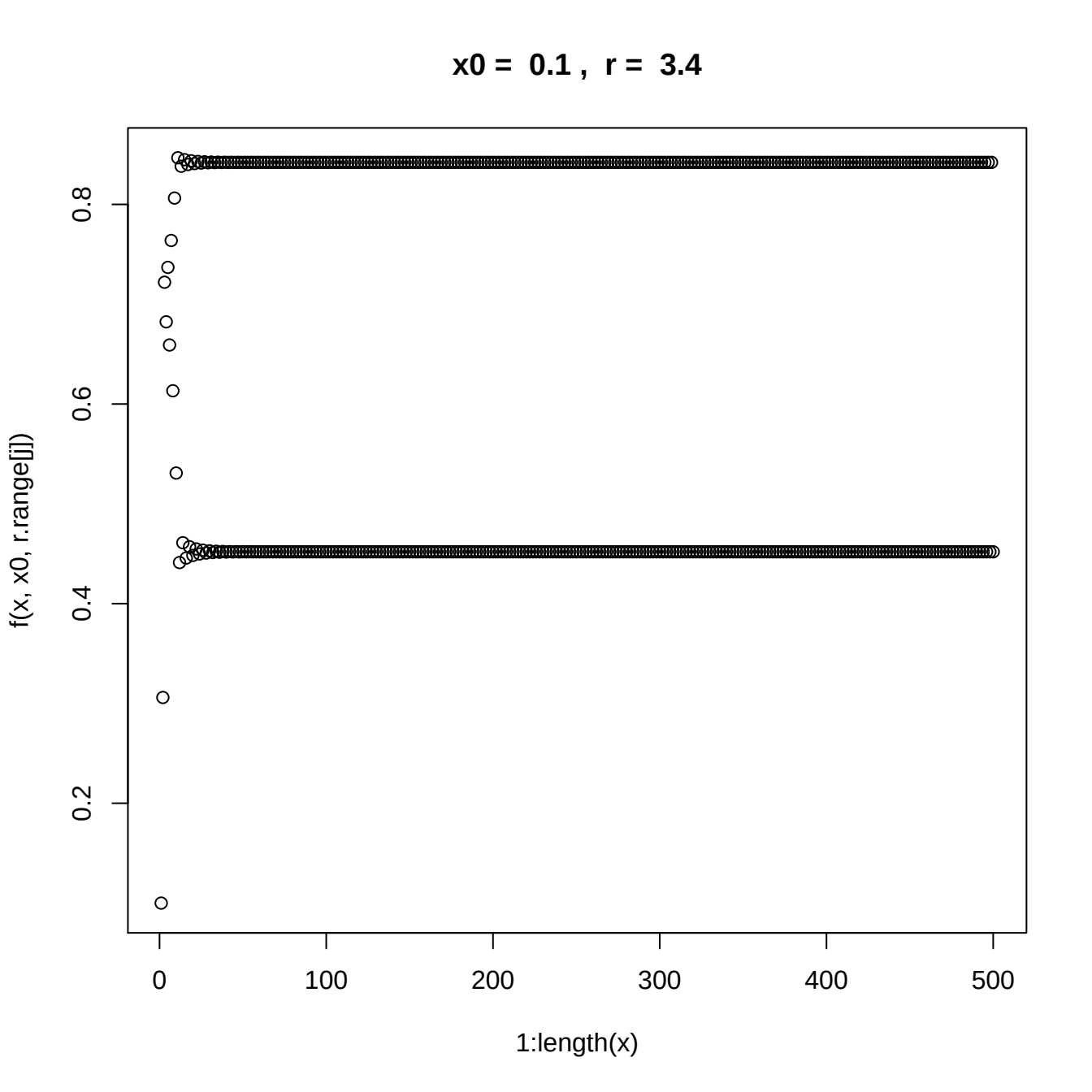

x0 = 0.1 , r = 3.39
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

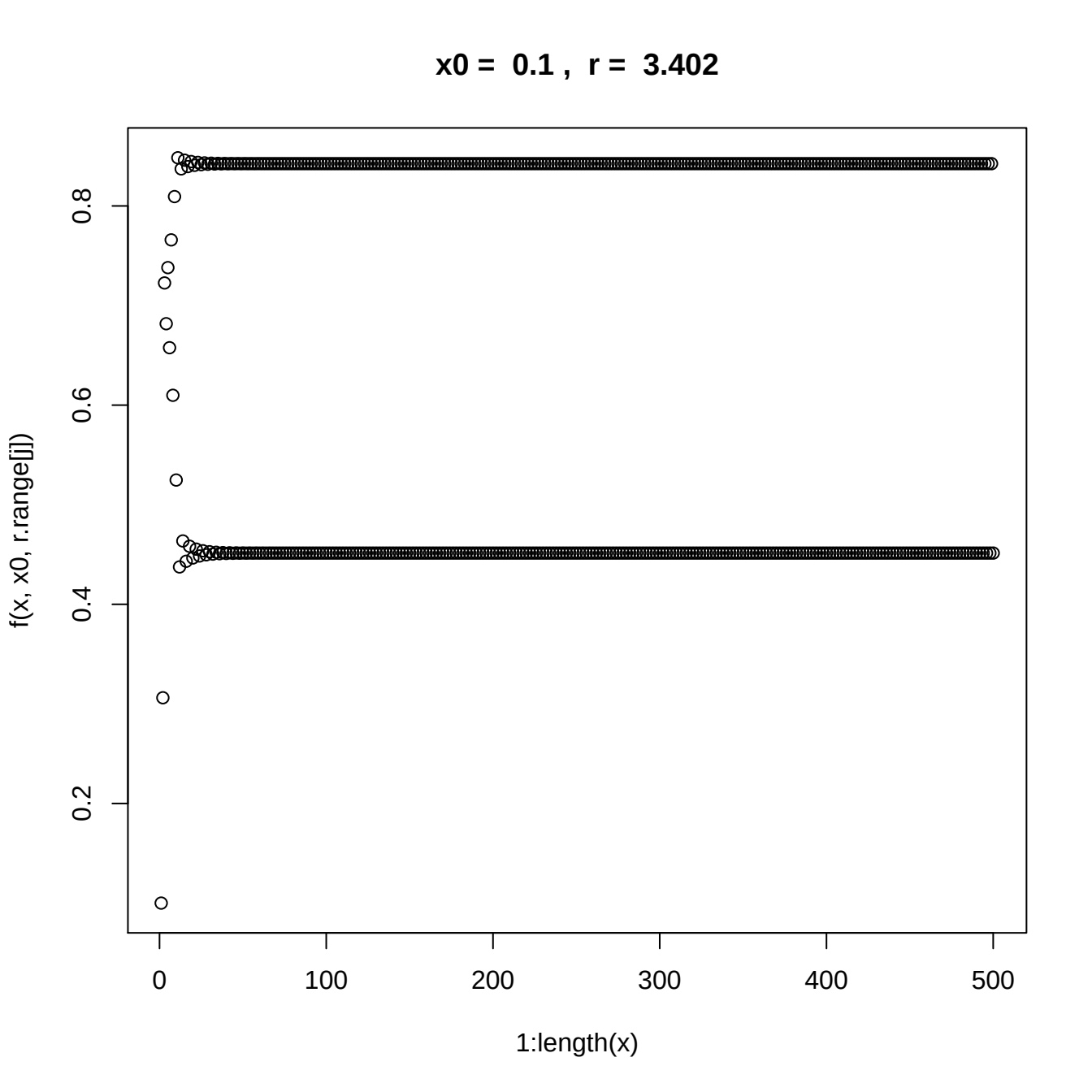

x0 = 0.1 , r = 3.392
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

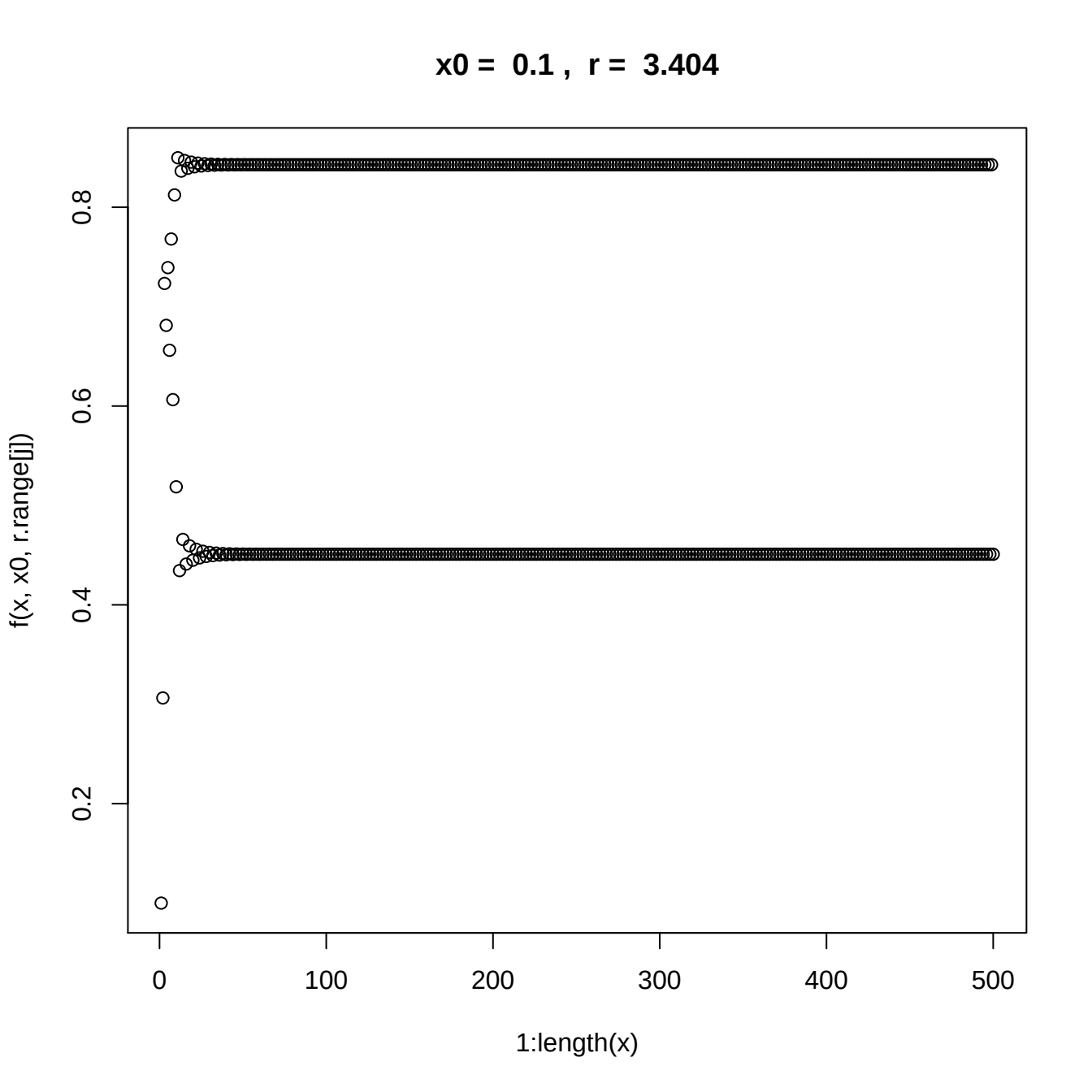

x0 = 0.1 , r = 3.394
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

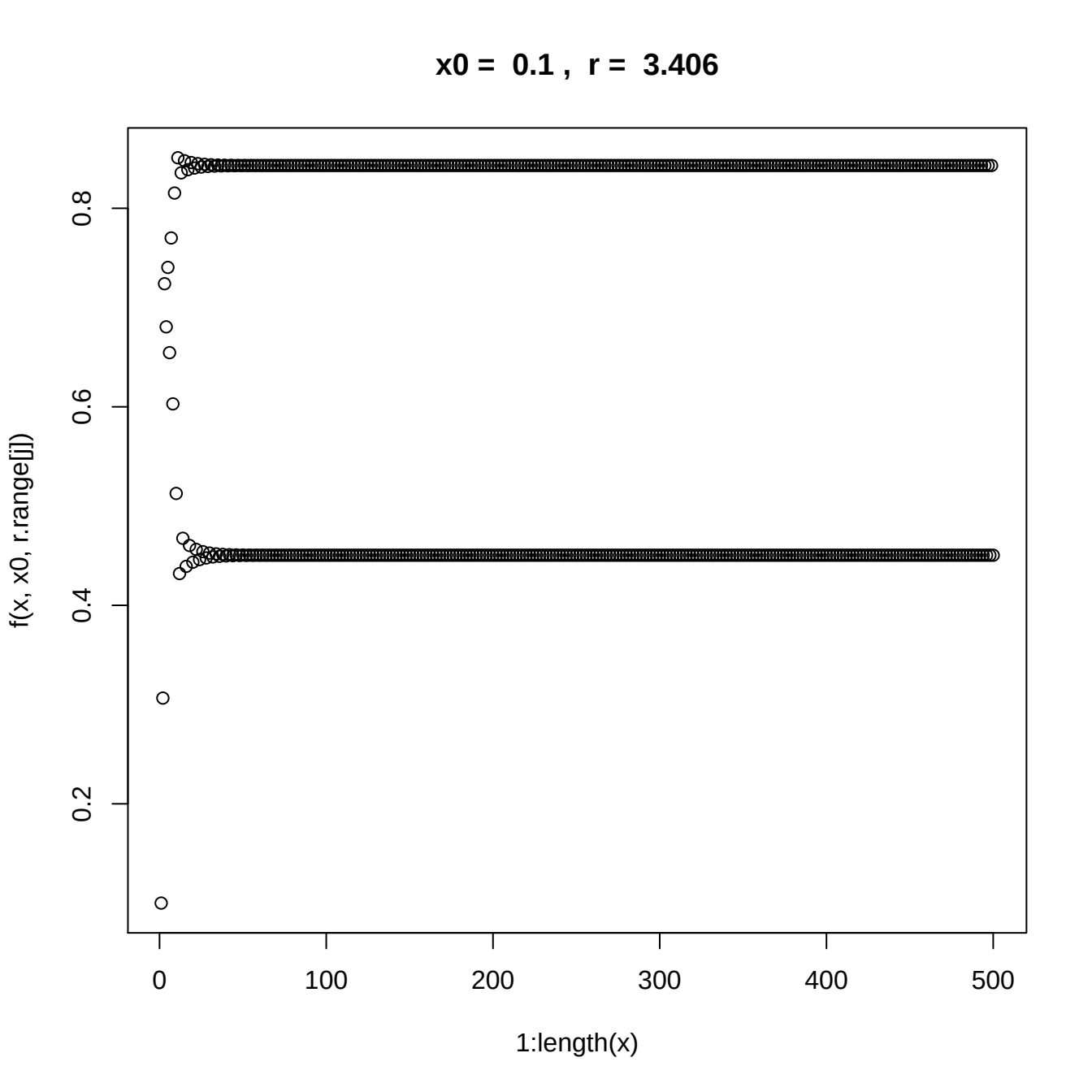

x0 = 0.1 , r = 3.396
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

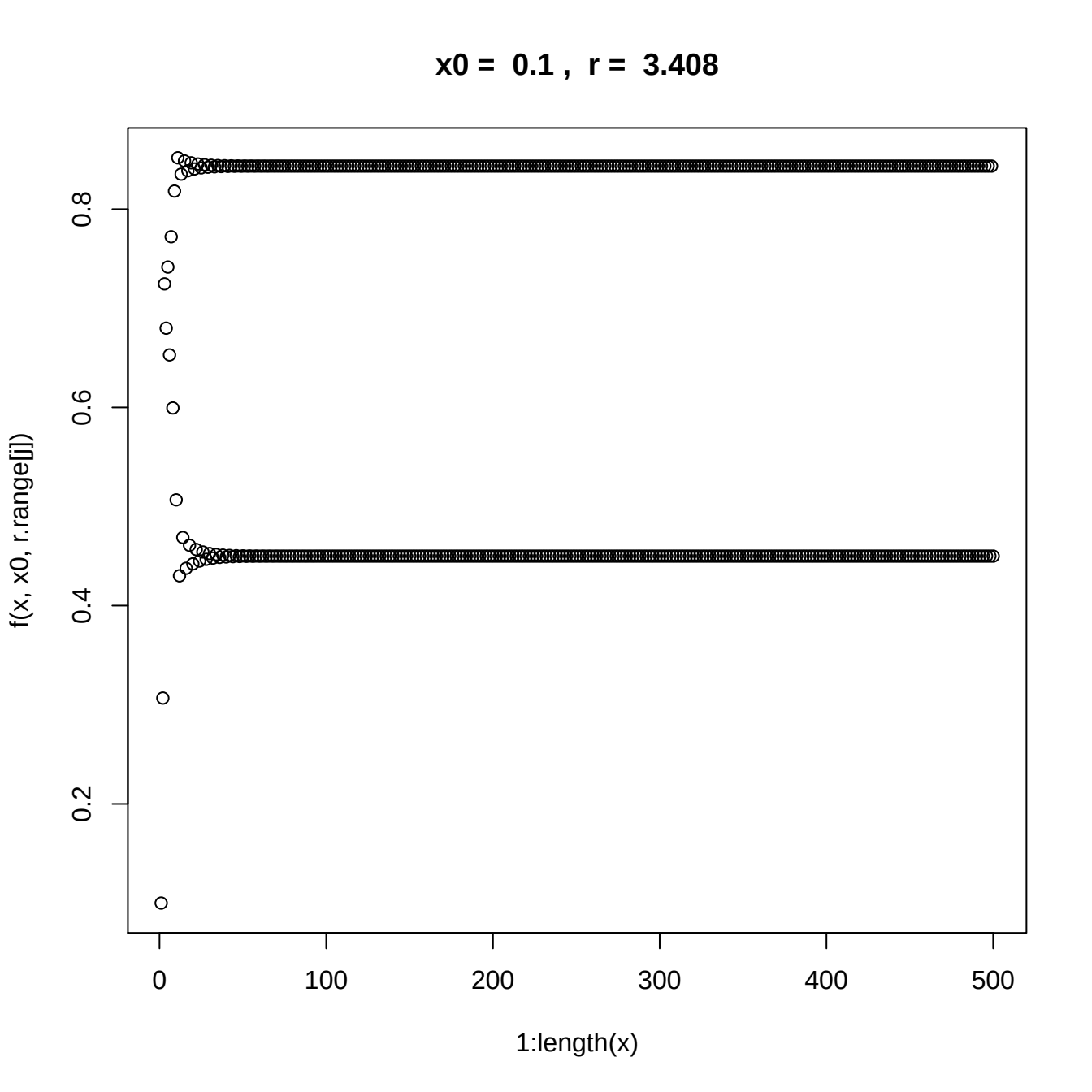

x0 = 0.1 , r = 3.398
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

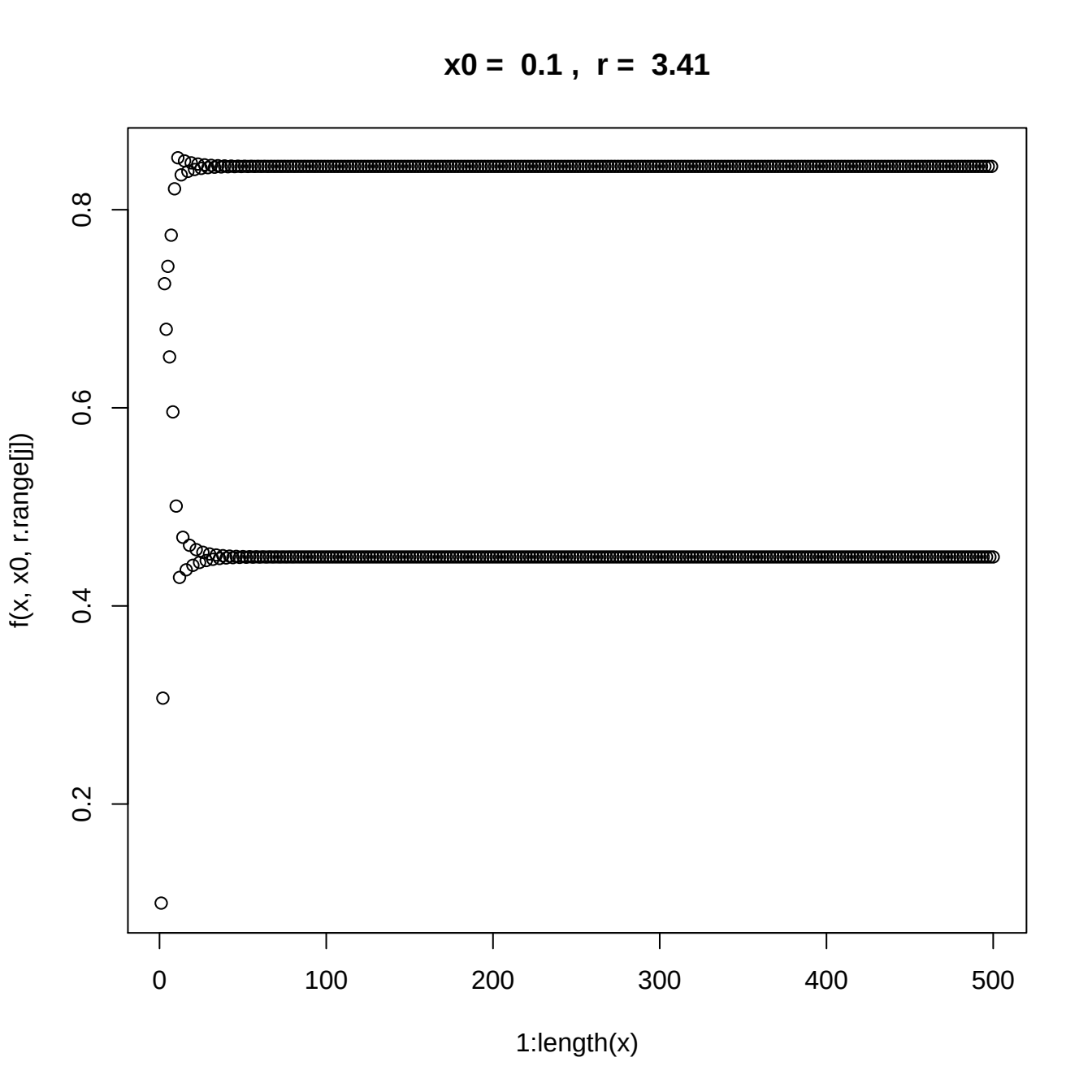

x0 = 0.1 , r = 3.4
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

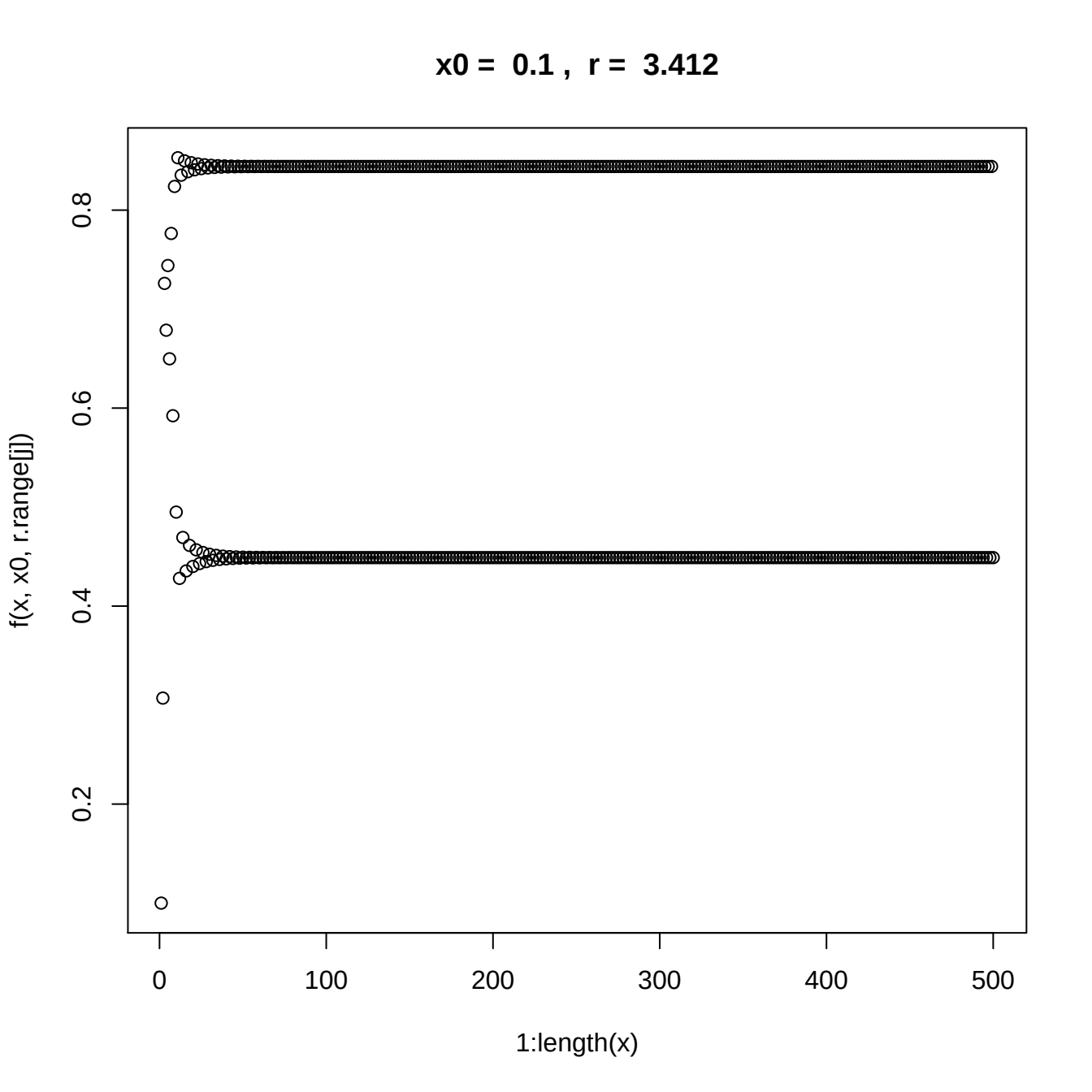

x0 = 0.1 , r = 3.402
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

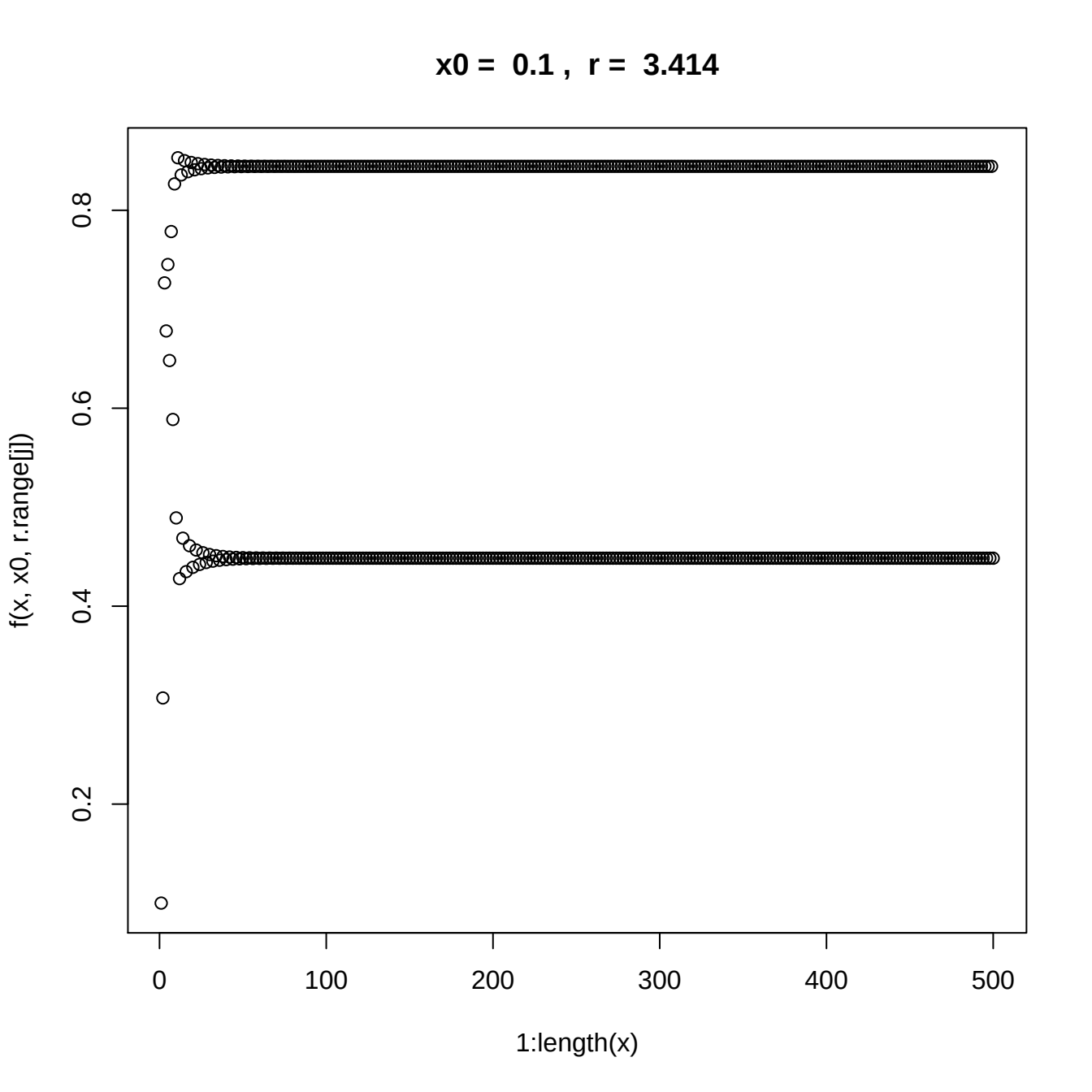

x0 = 0.1 , r = 3.404
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

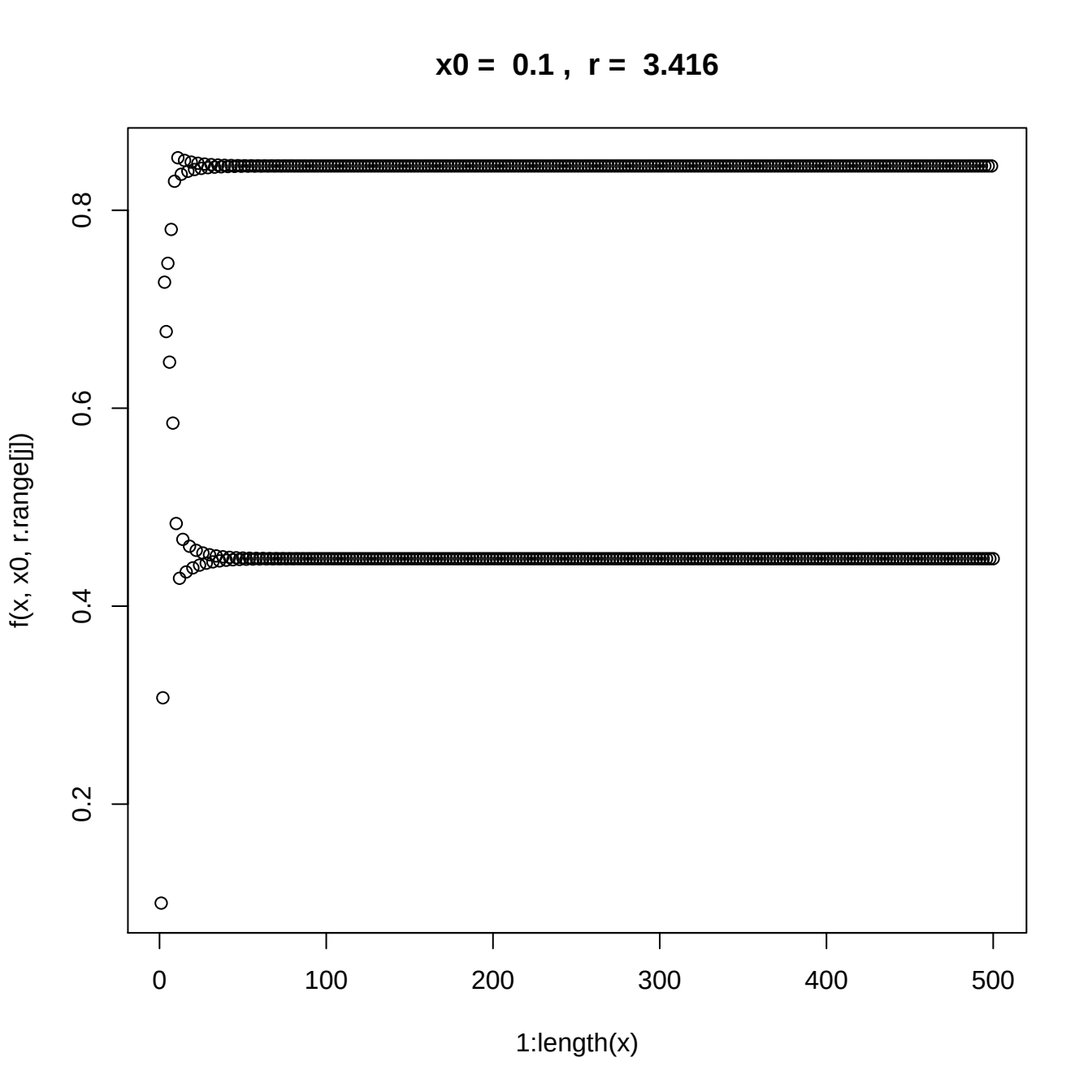

x0 = 0.1 , r = 3.406
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

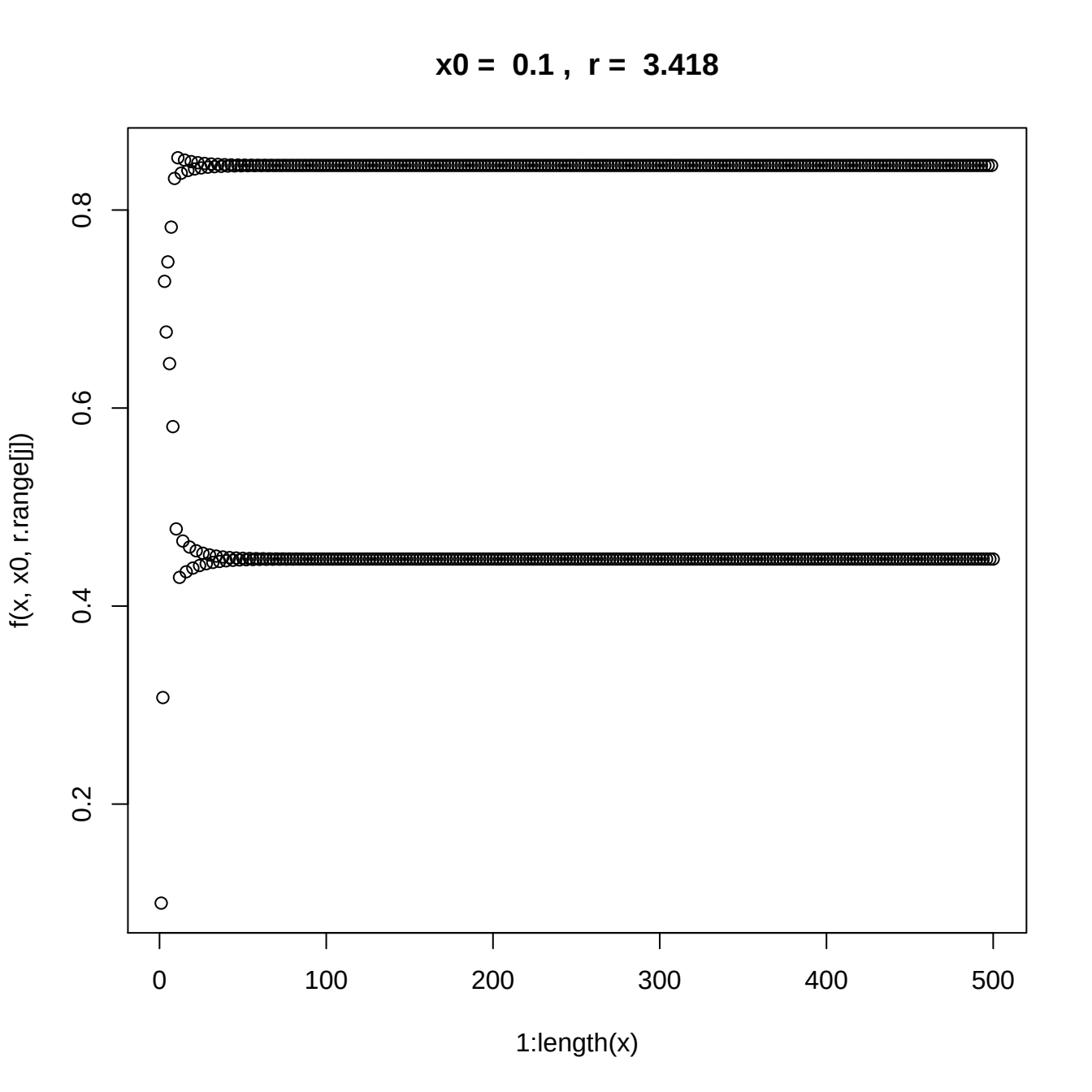

x0 = 0.1 , r = 3.408
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

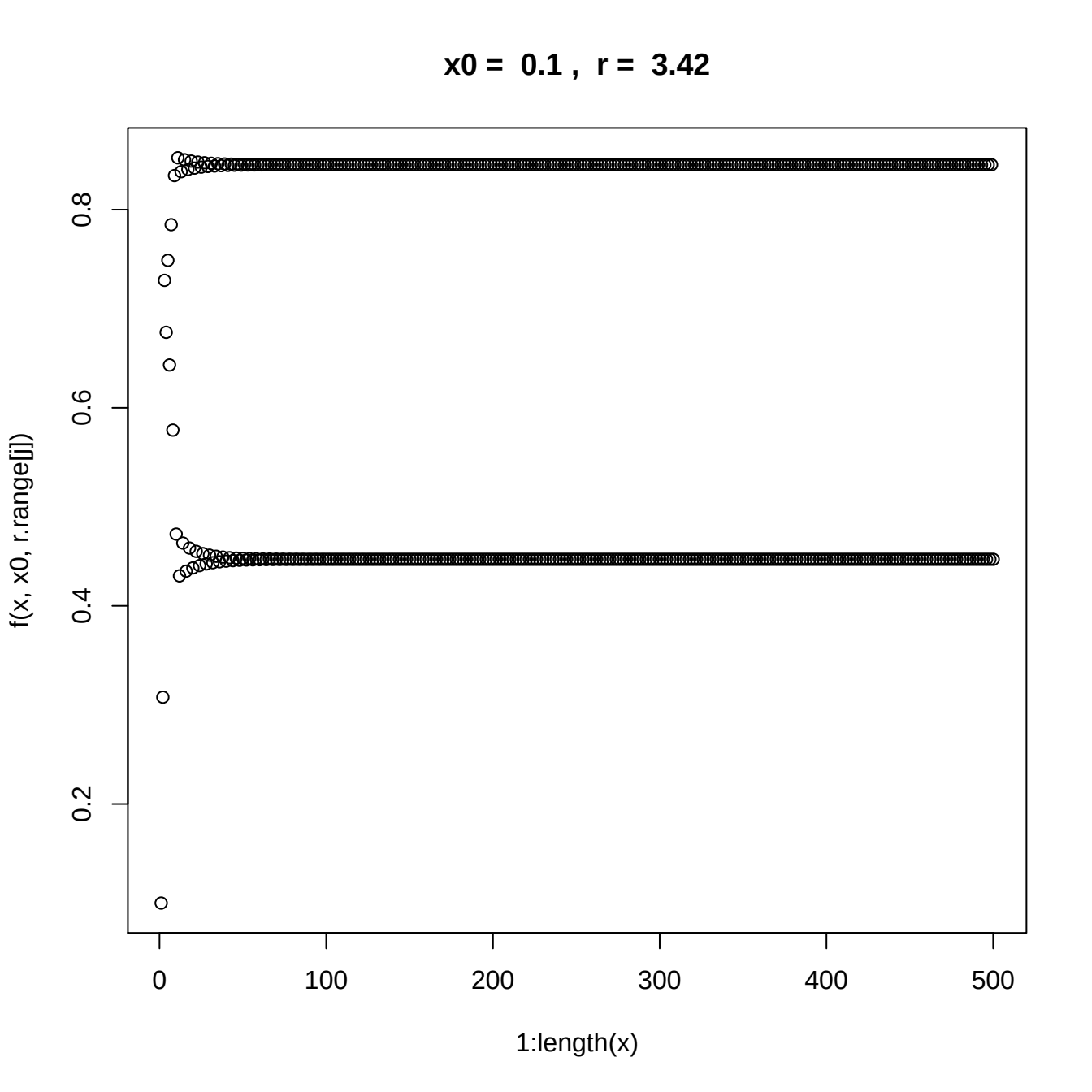

x0 = 0.1 , r = 3.41
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

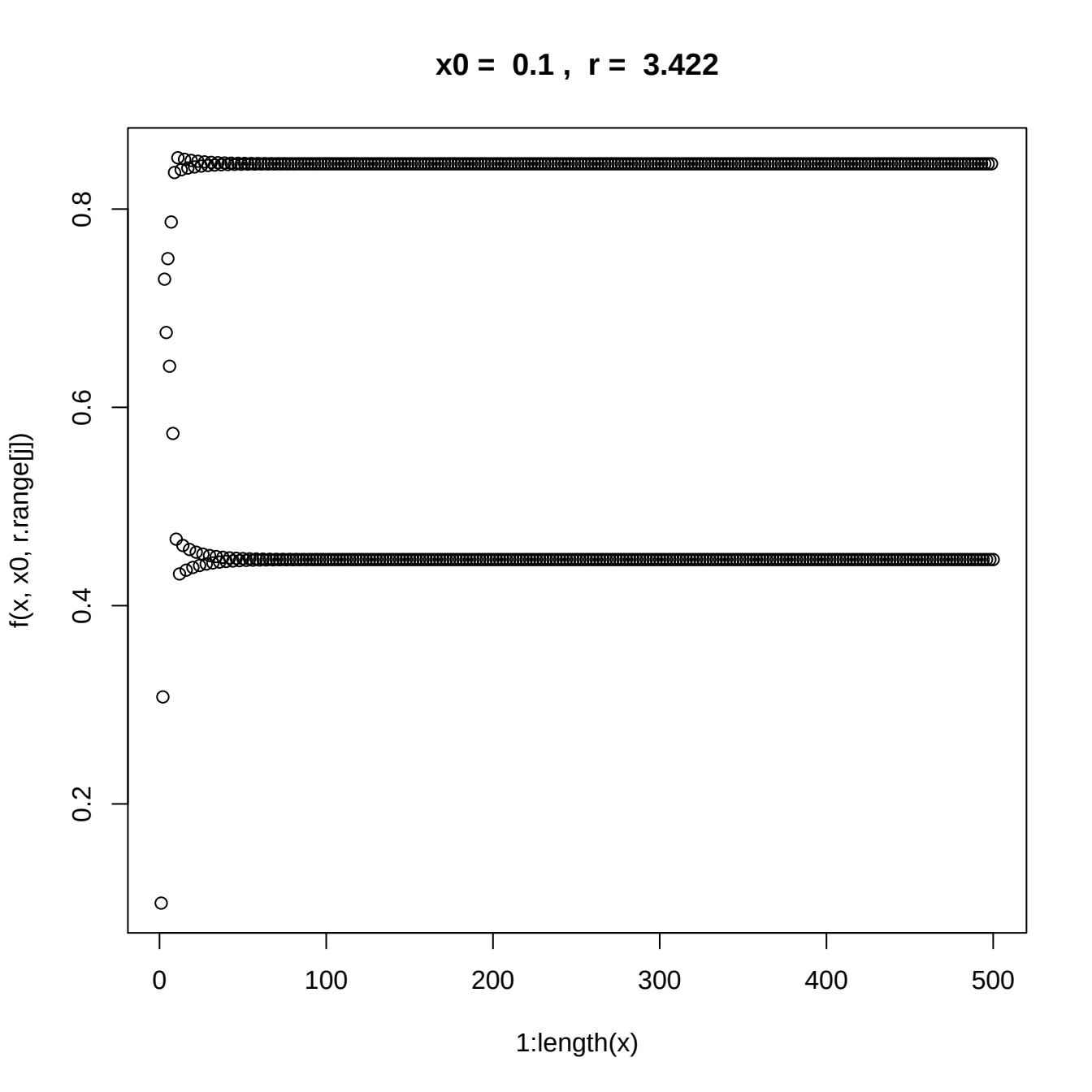

x0 = 0.1 , r = 3.412
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

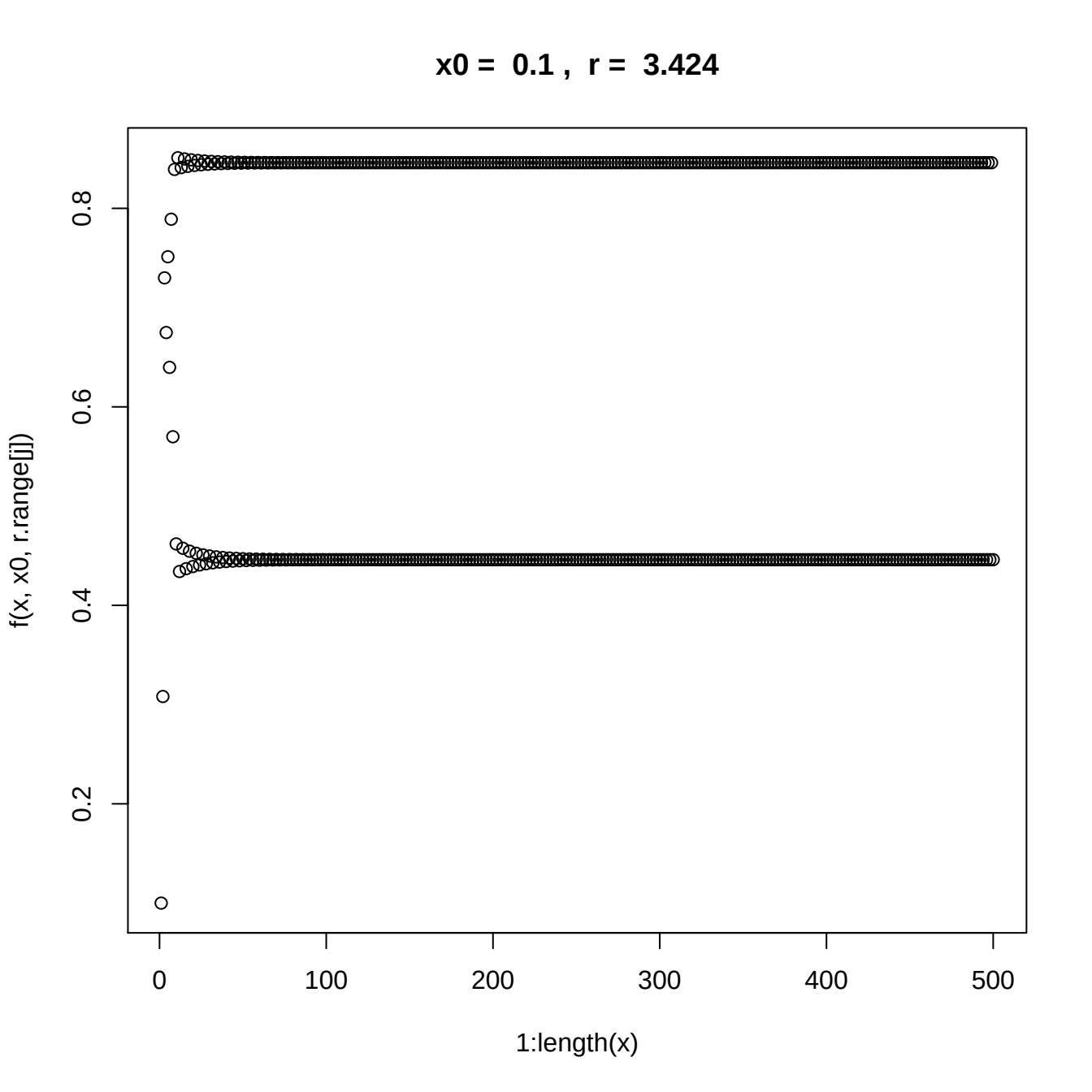

x0 = 0.1 , r = 3.414
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

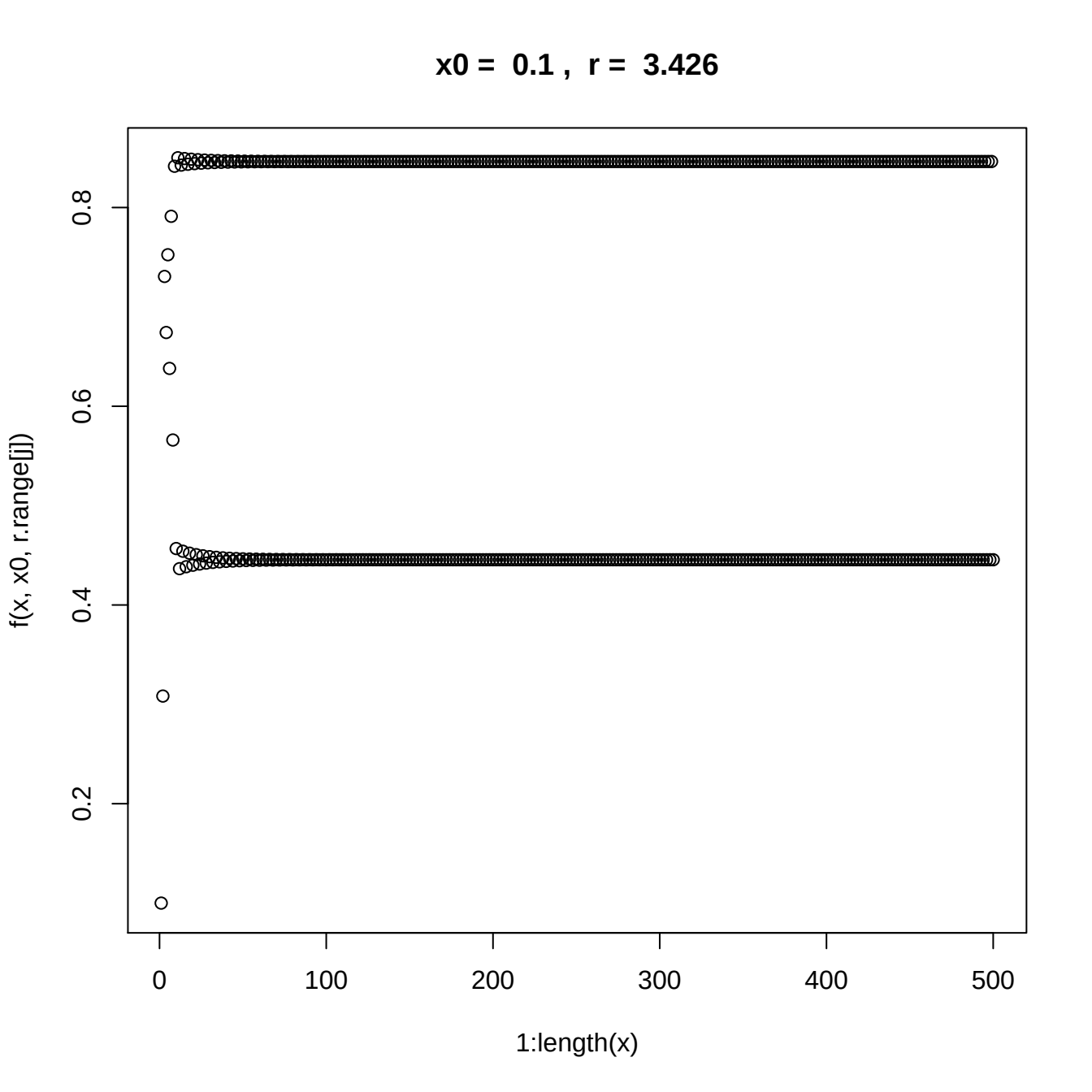

x0 = 0.1 , r = 3.416
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

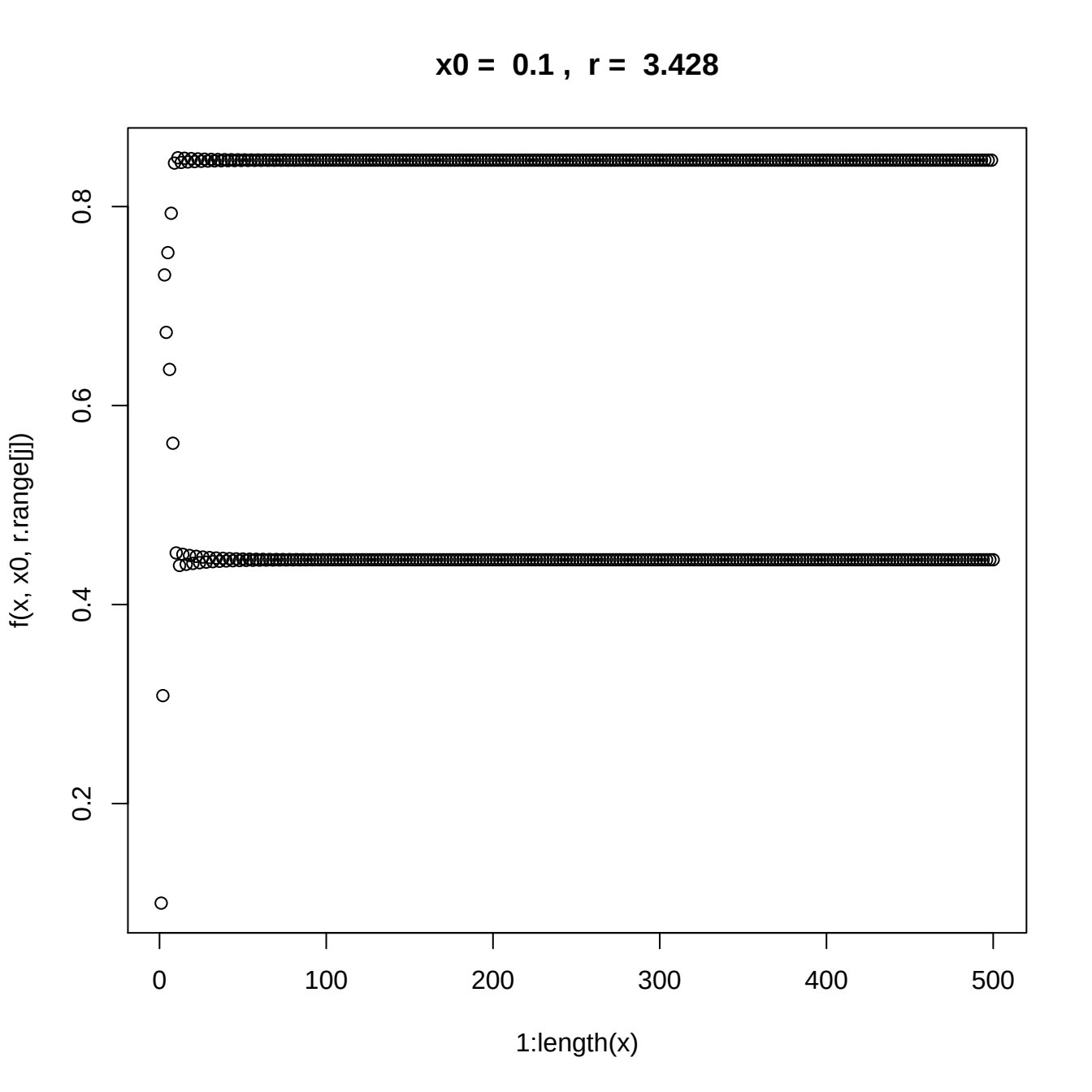

x0 = 0.1 , r = 3.418
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

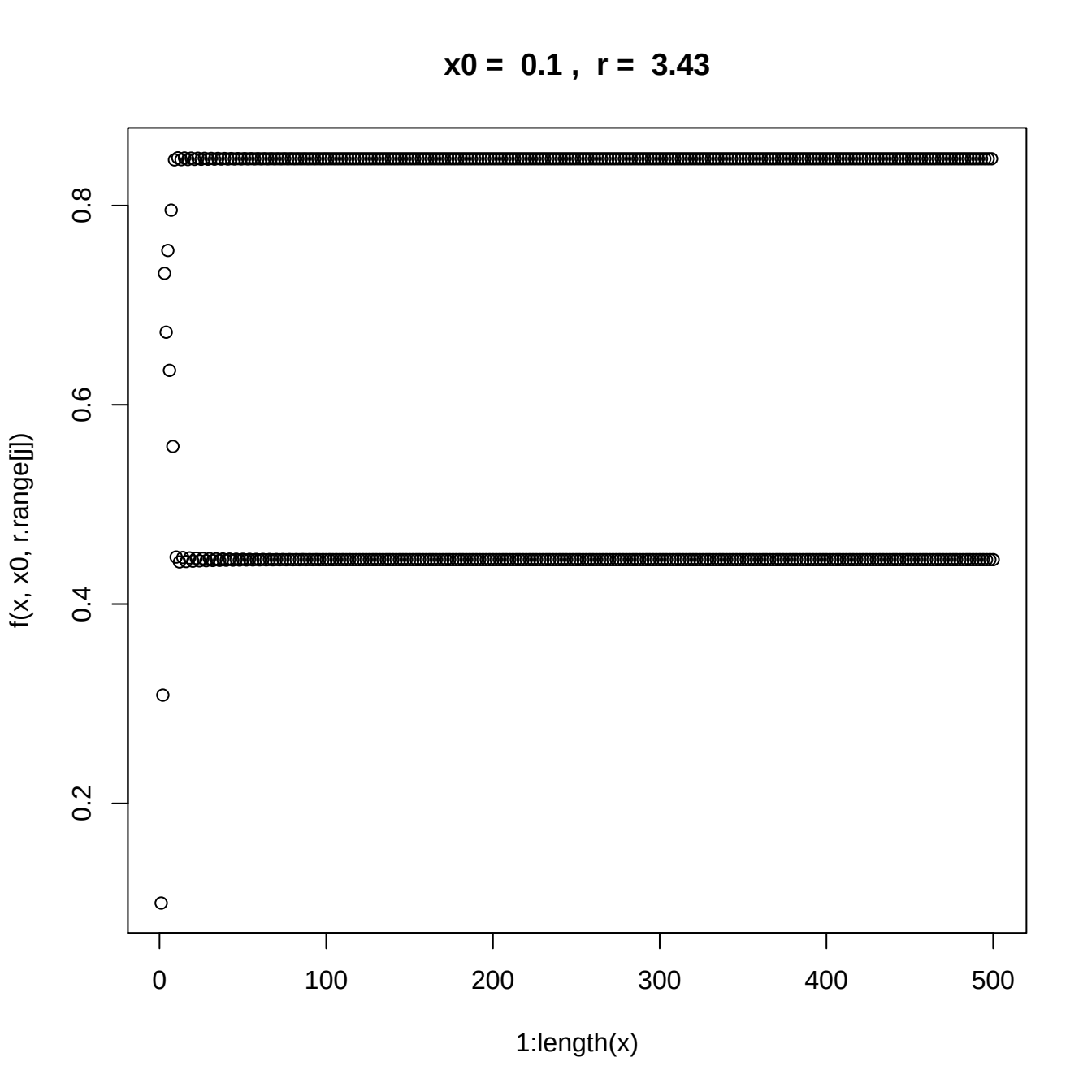

x0 = 0.1 , r = 3.42
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

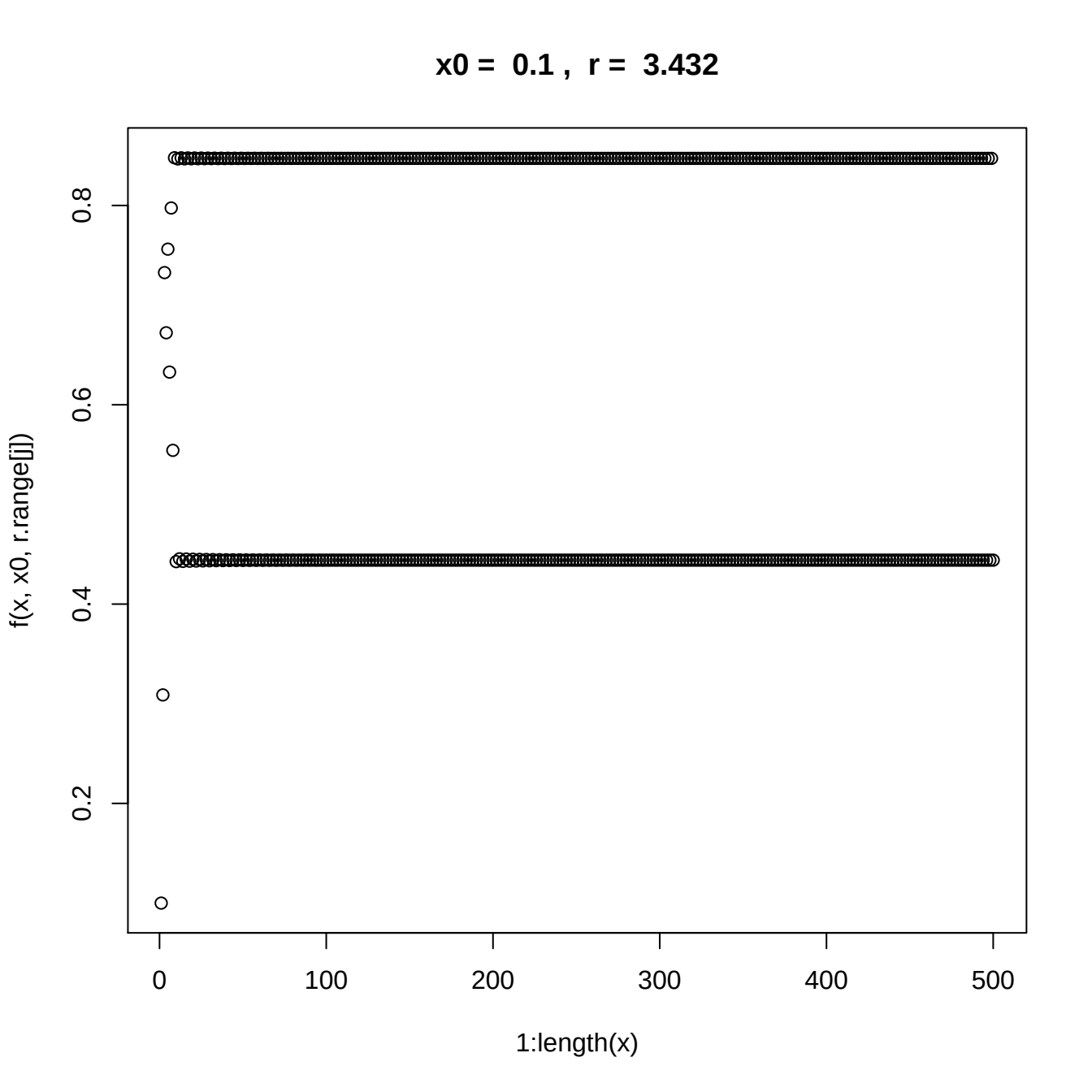

x0 = 0.1 , r = 3.422
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

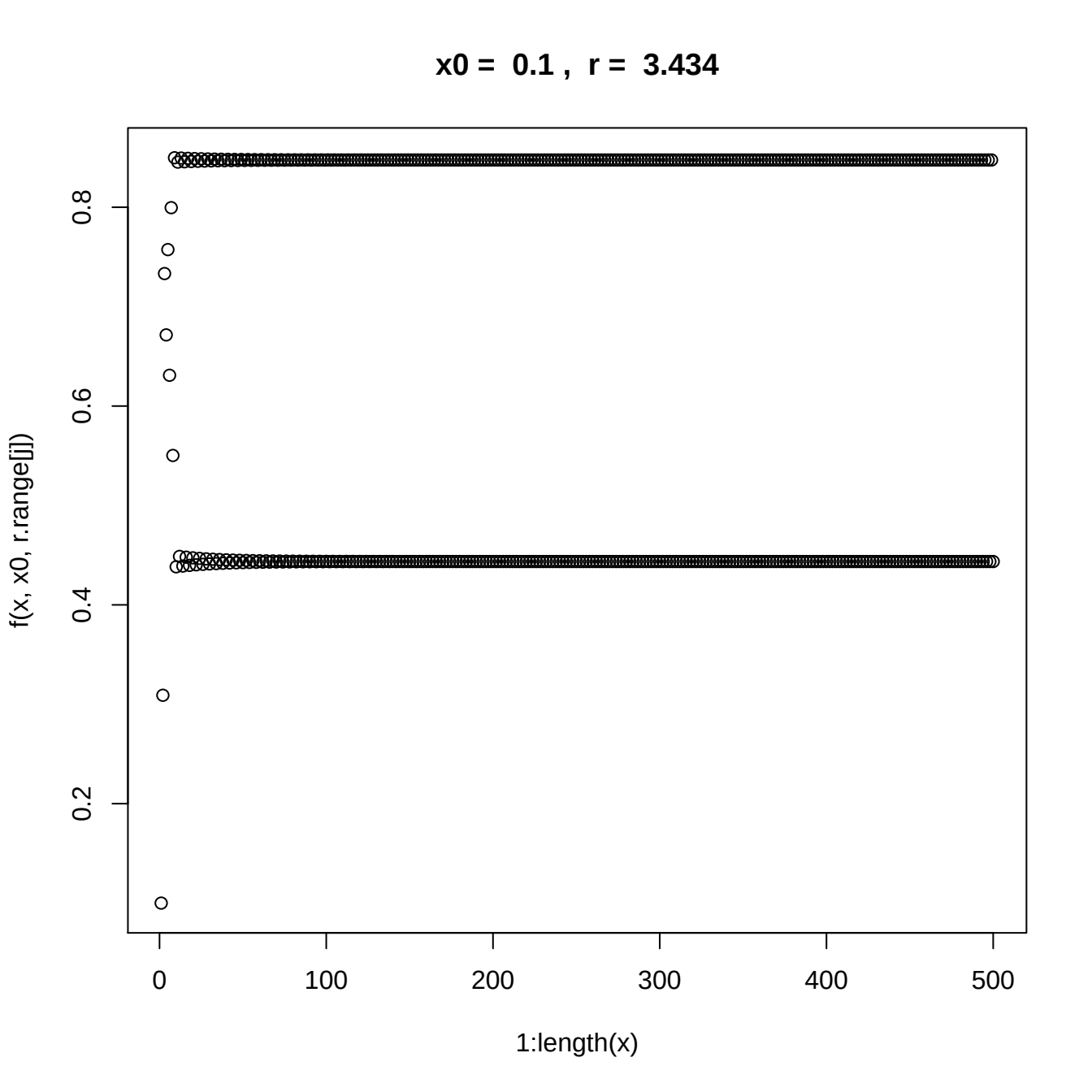

x0 = 0.1 , r = 3.424
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

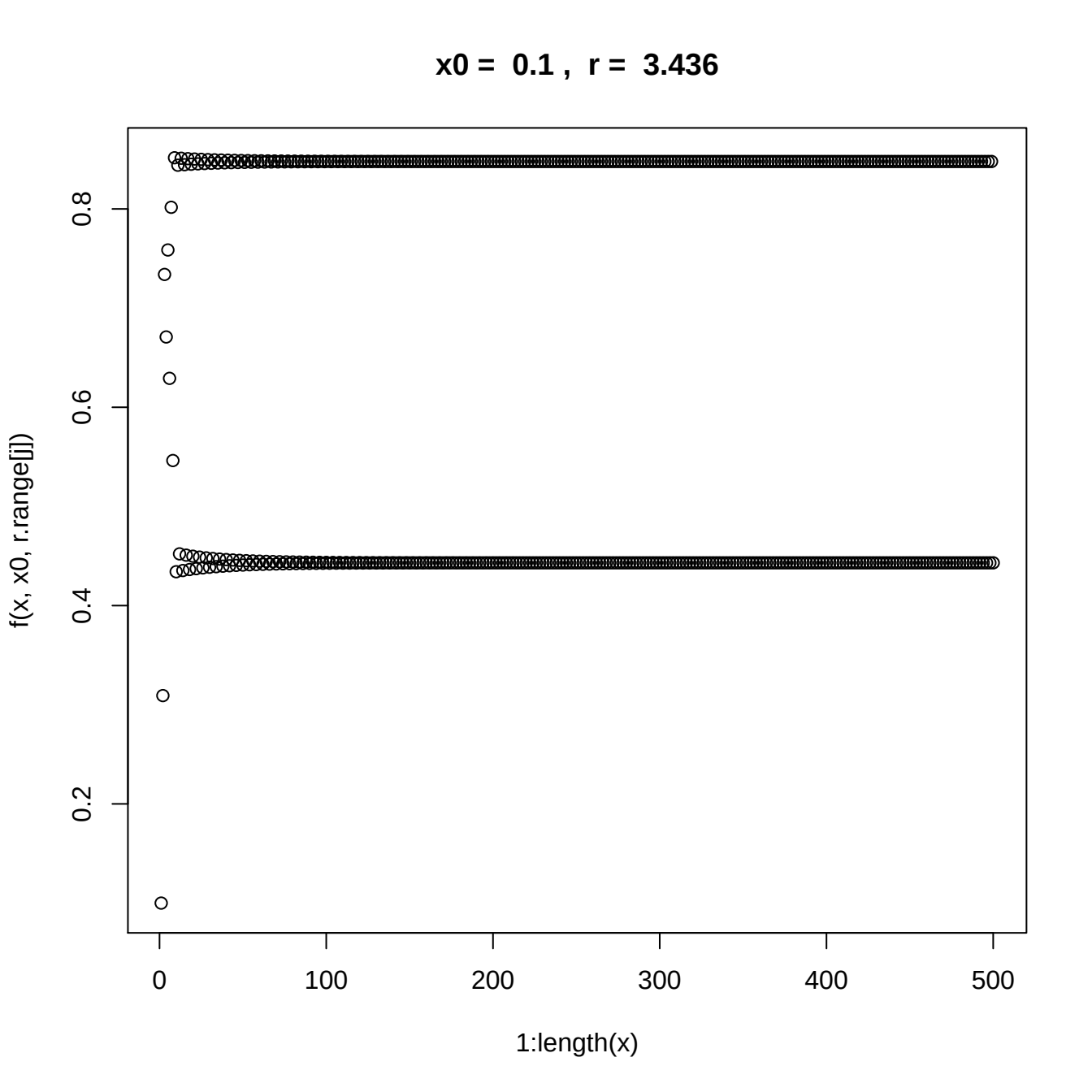

x0 = 0.1 , r = 3.426
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

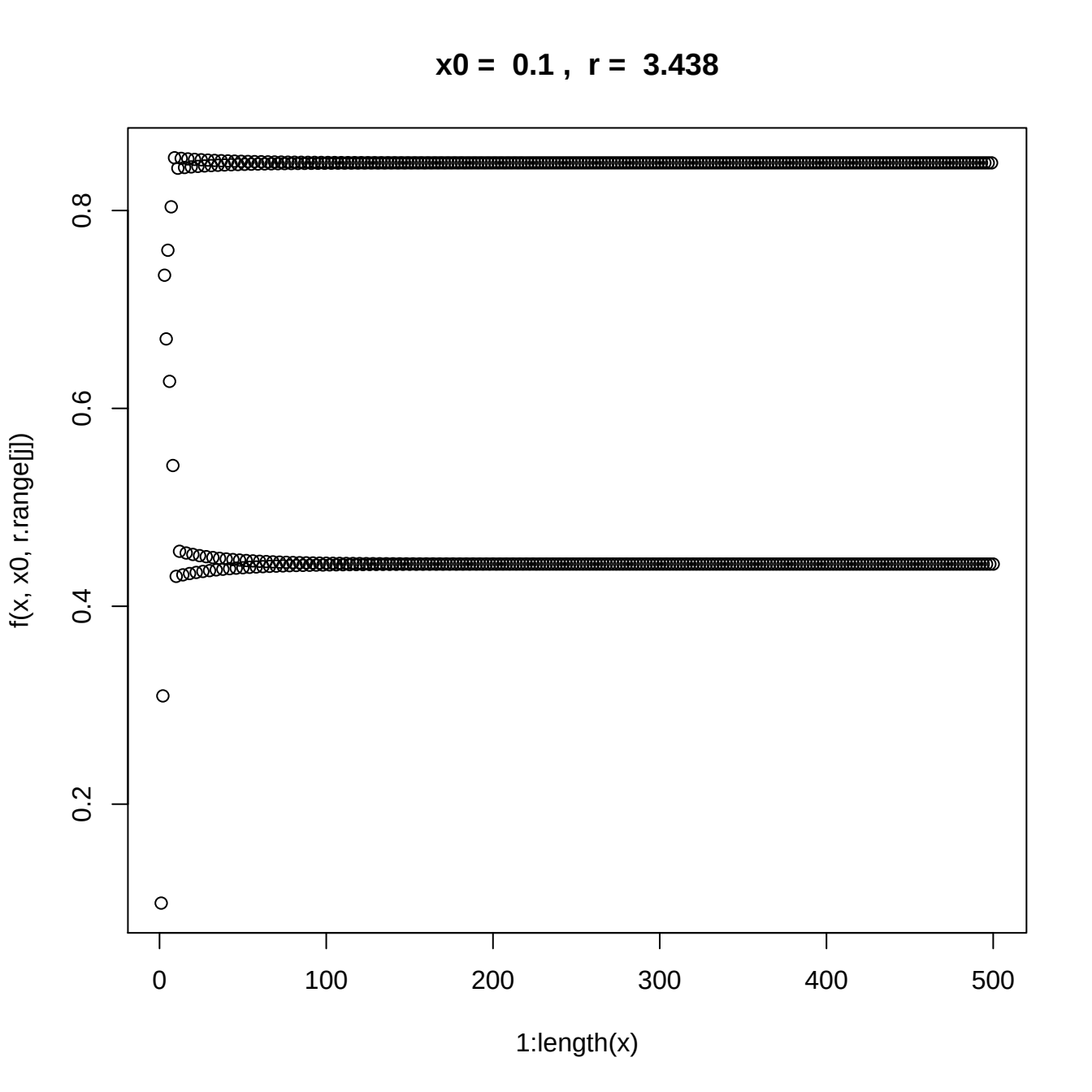

x0 = 0.1 , r = 3.428
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

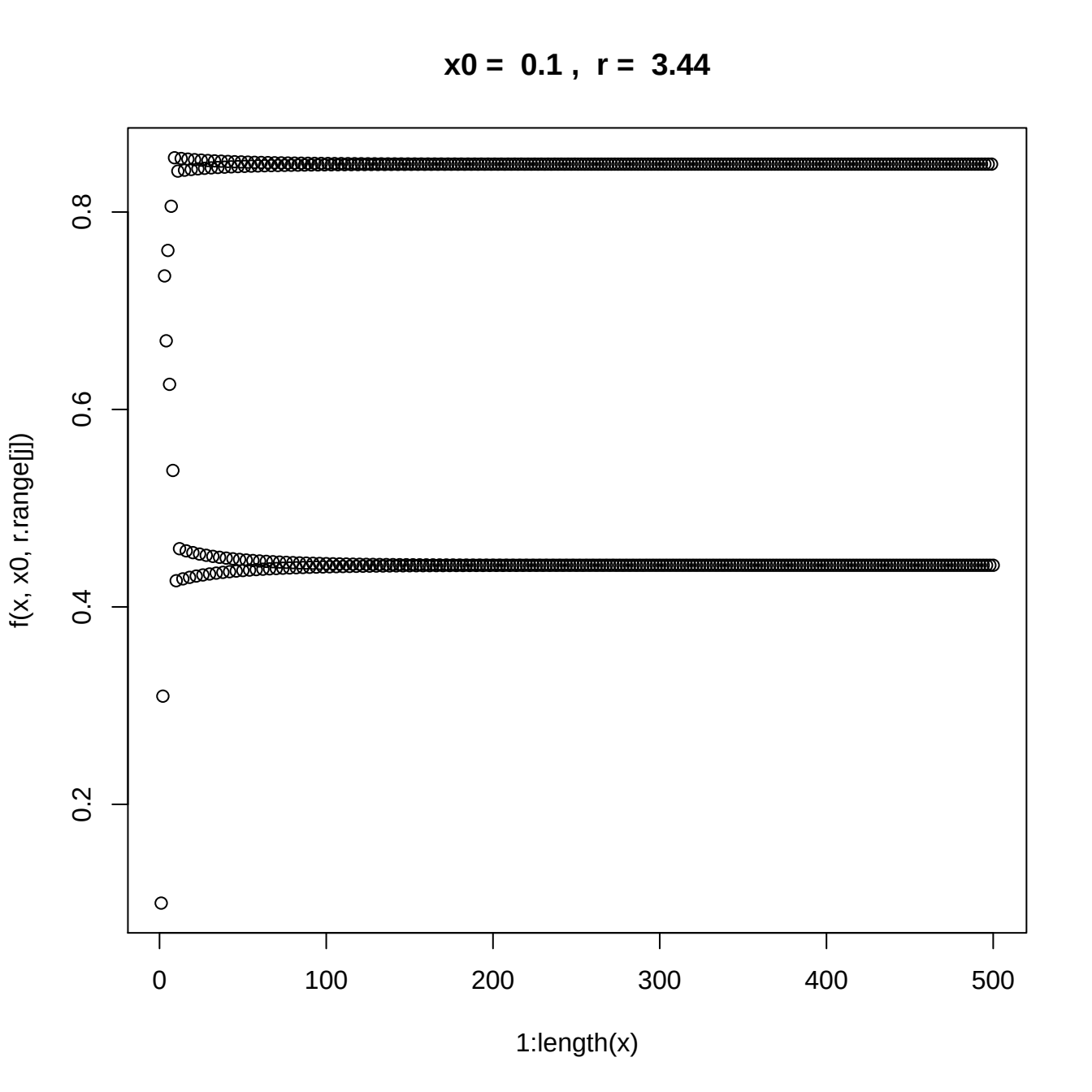

x0 = 0.1 , r = 3.43
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

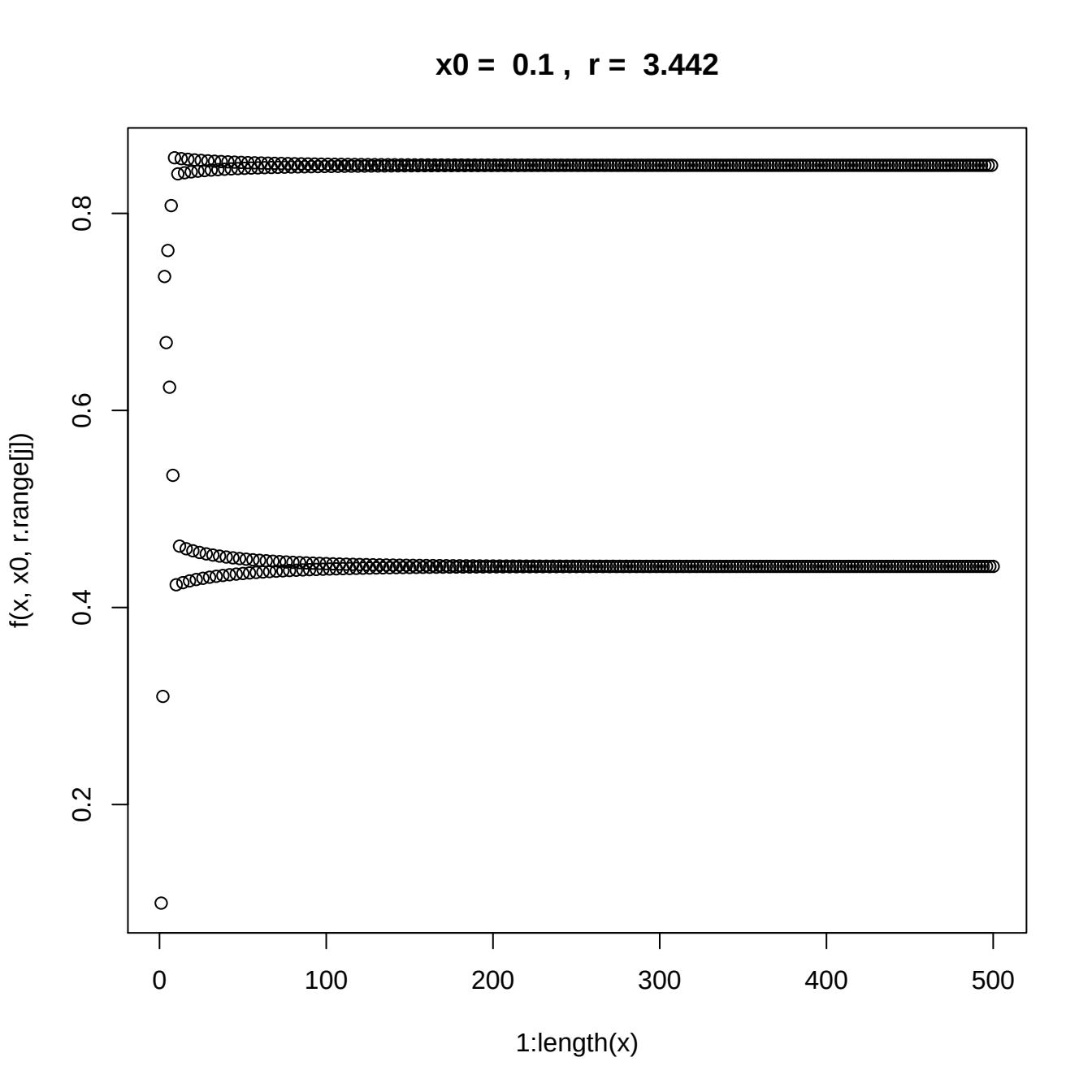

x0 = 0.1 , r = 3.432
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

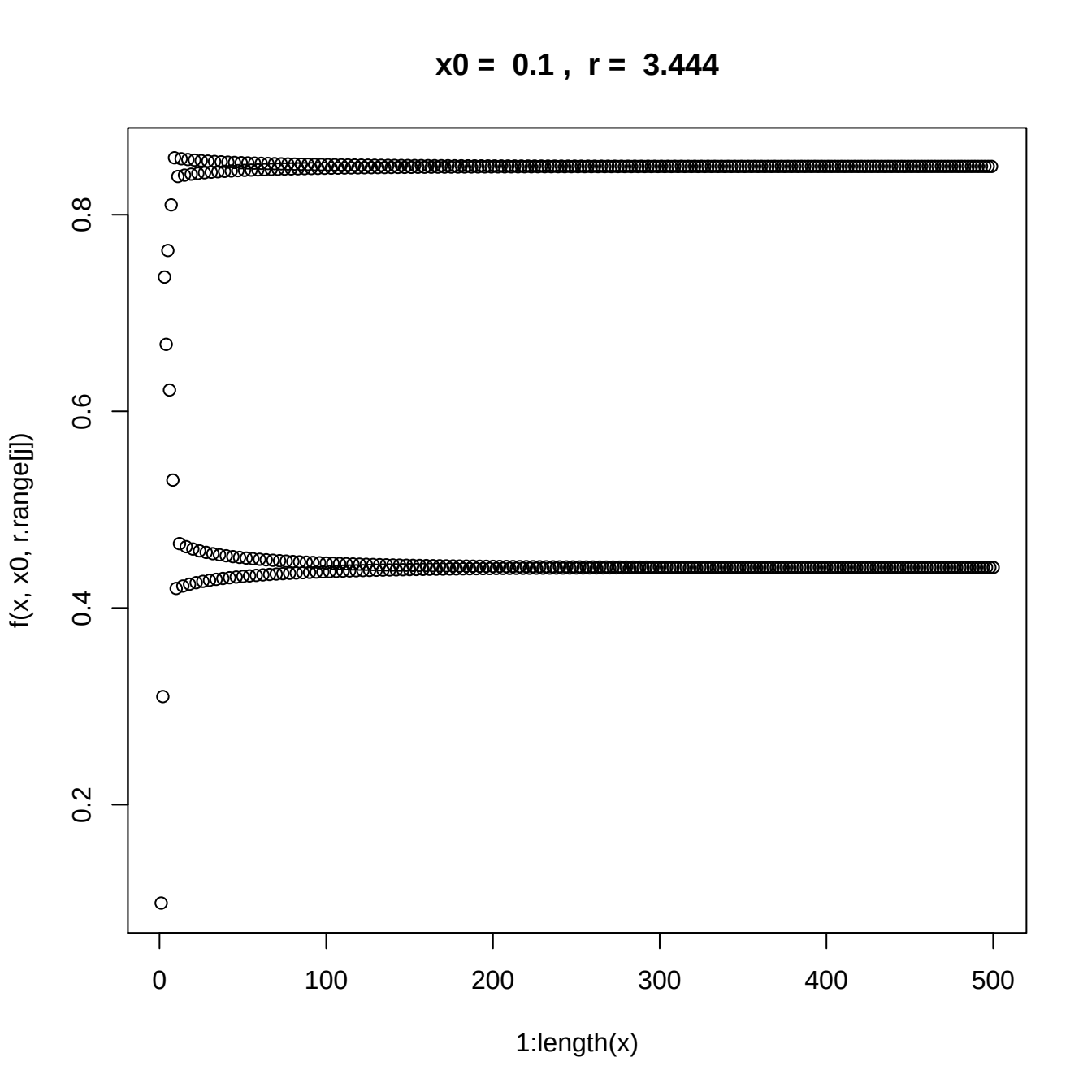

x0 = 0.1 , r = 3.434
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

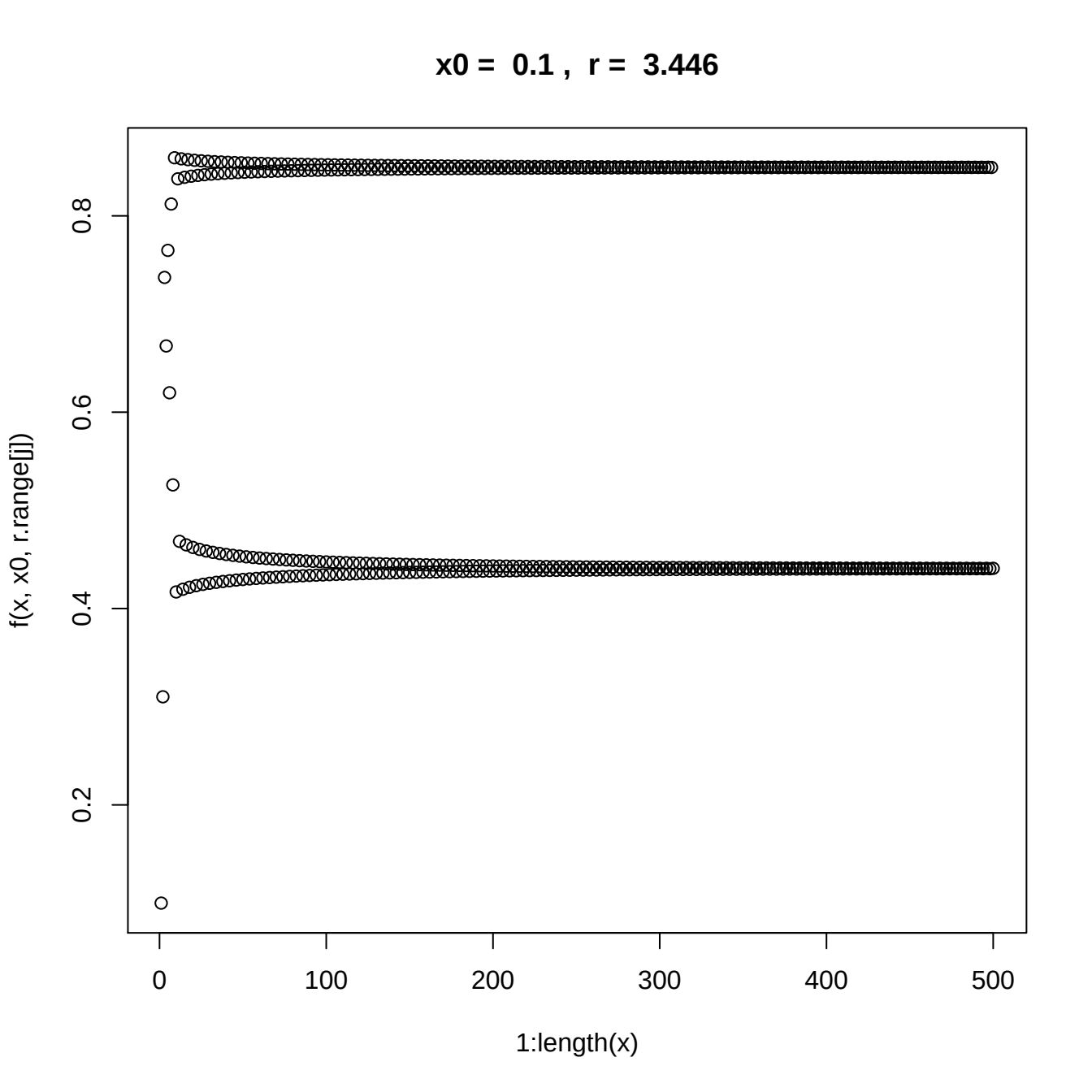

x0 = 0.1 , r = 3.436
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

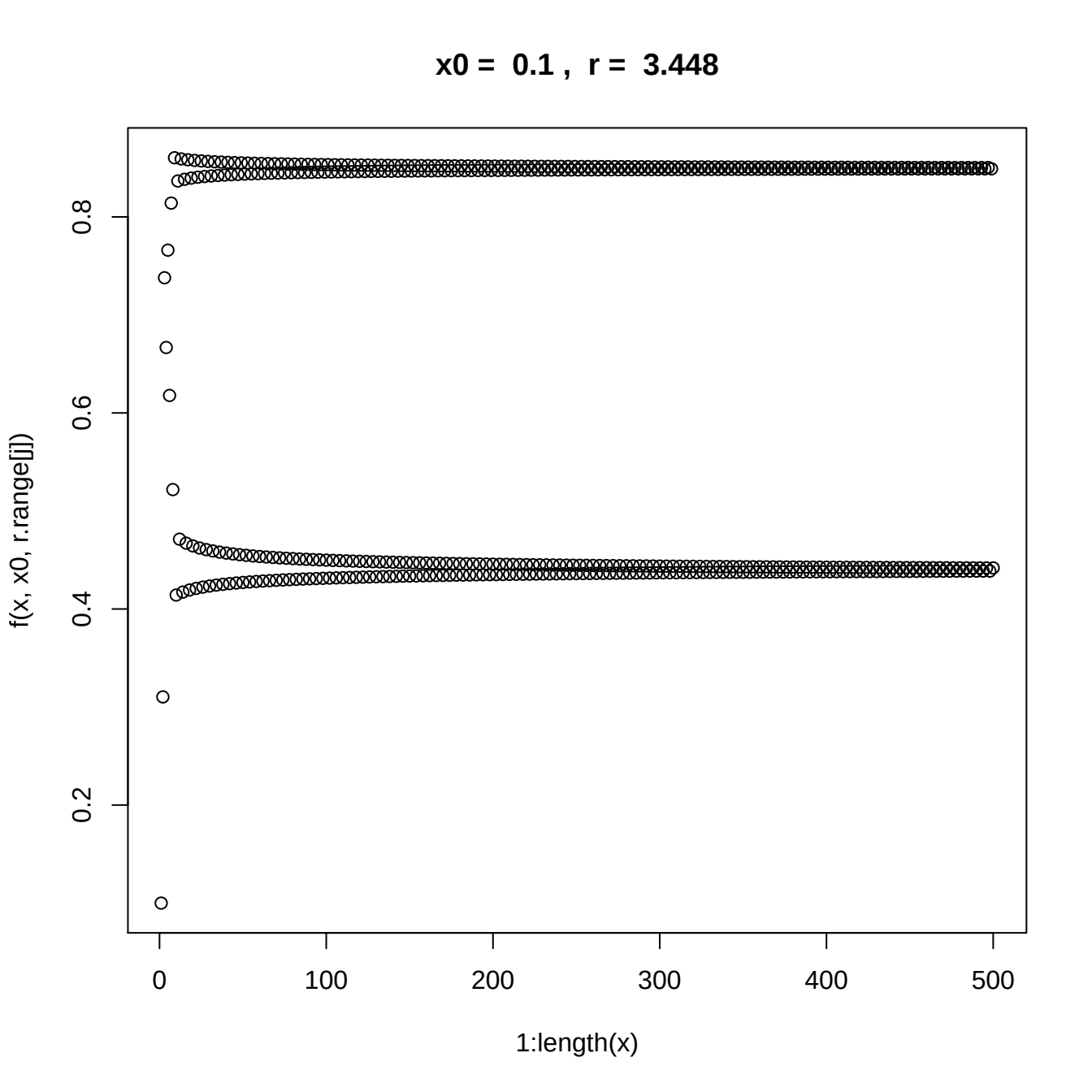

x0 = 0.1 , r = 3.438
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

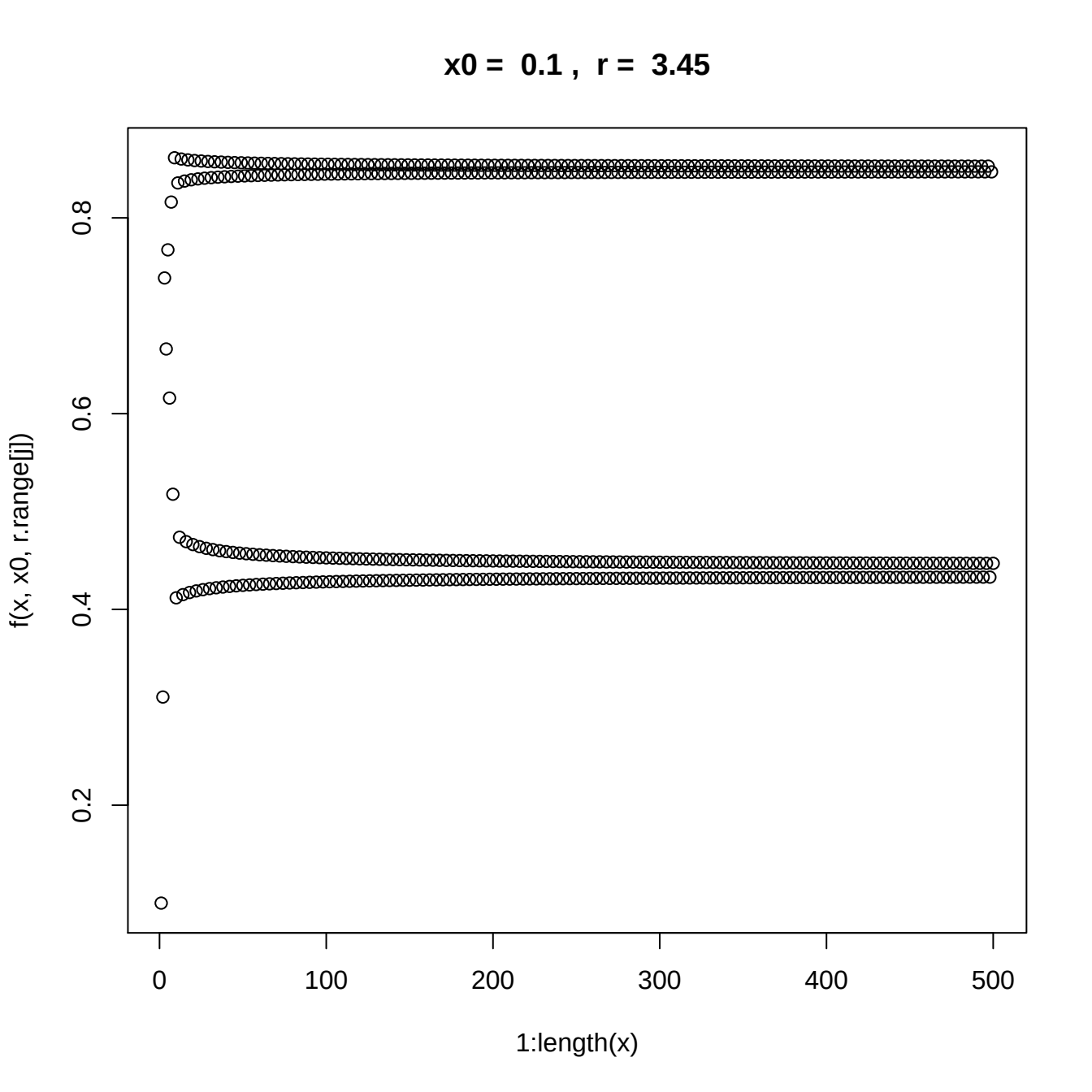

x0 = 0.1 , r = 3.44
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

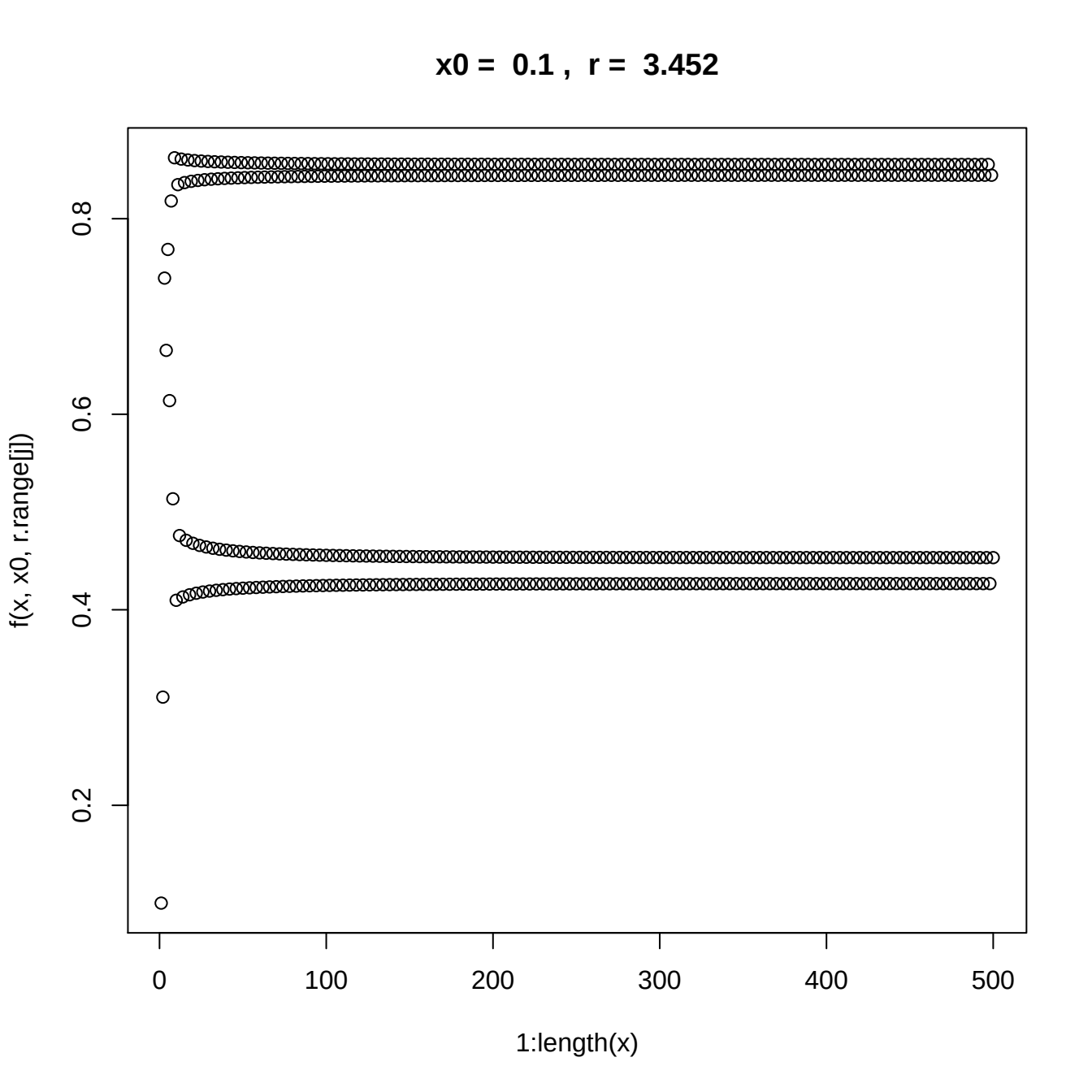

x0 = 0.1 , r = 3.442
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

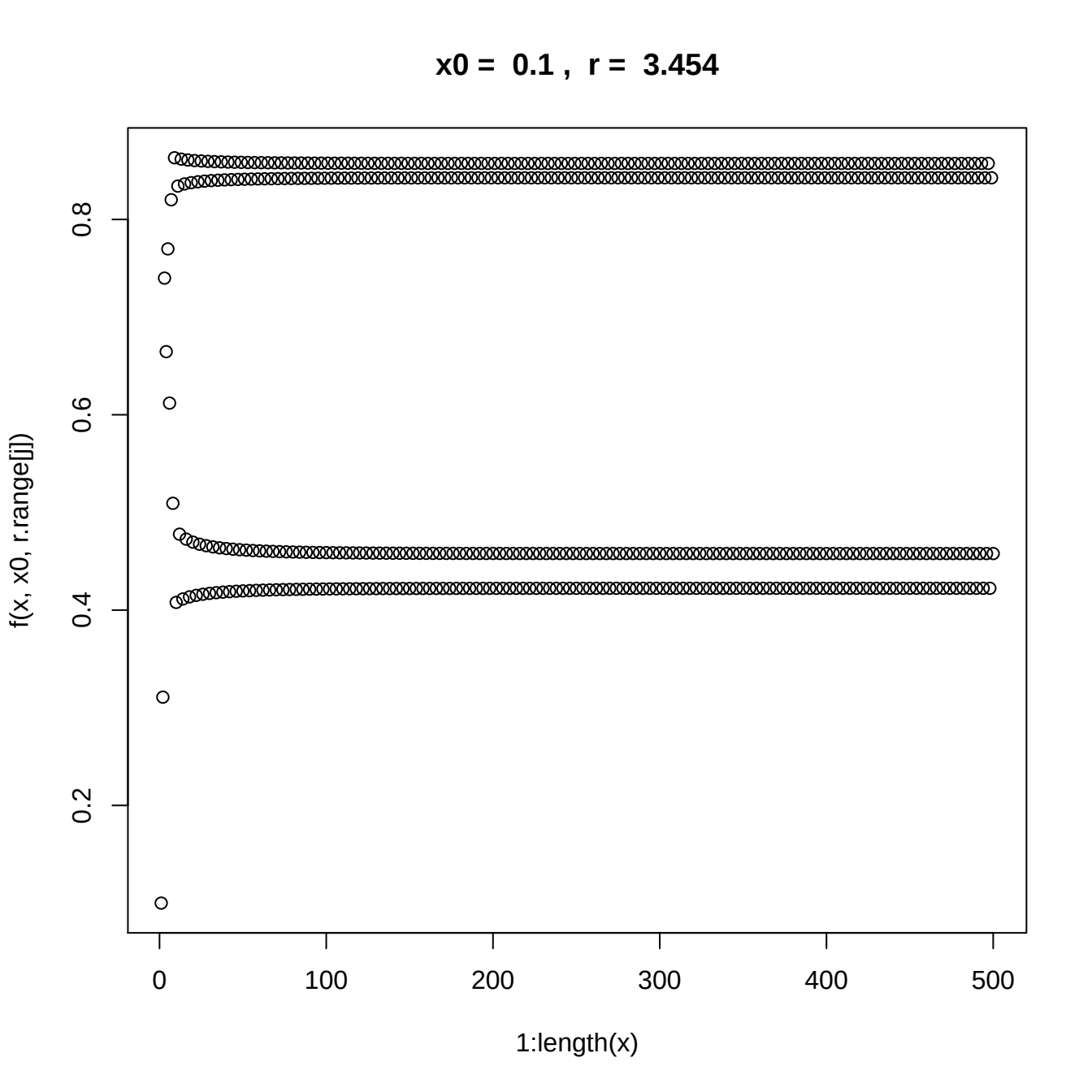

x0 = 0.1 , r = 3.444
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

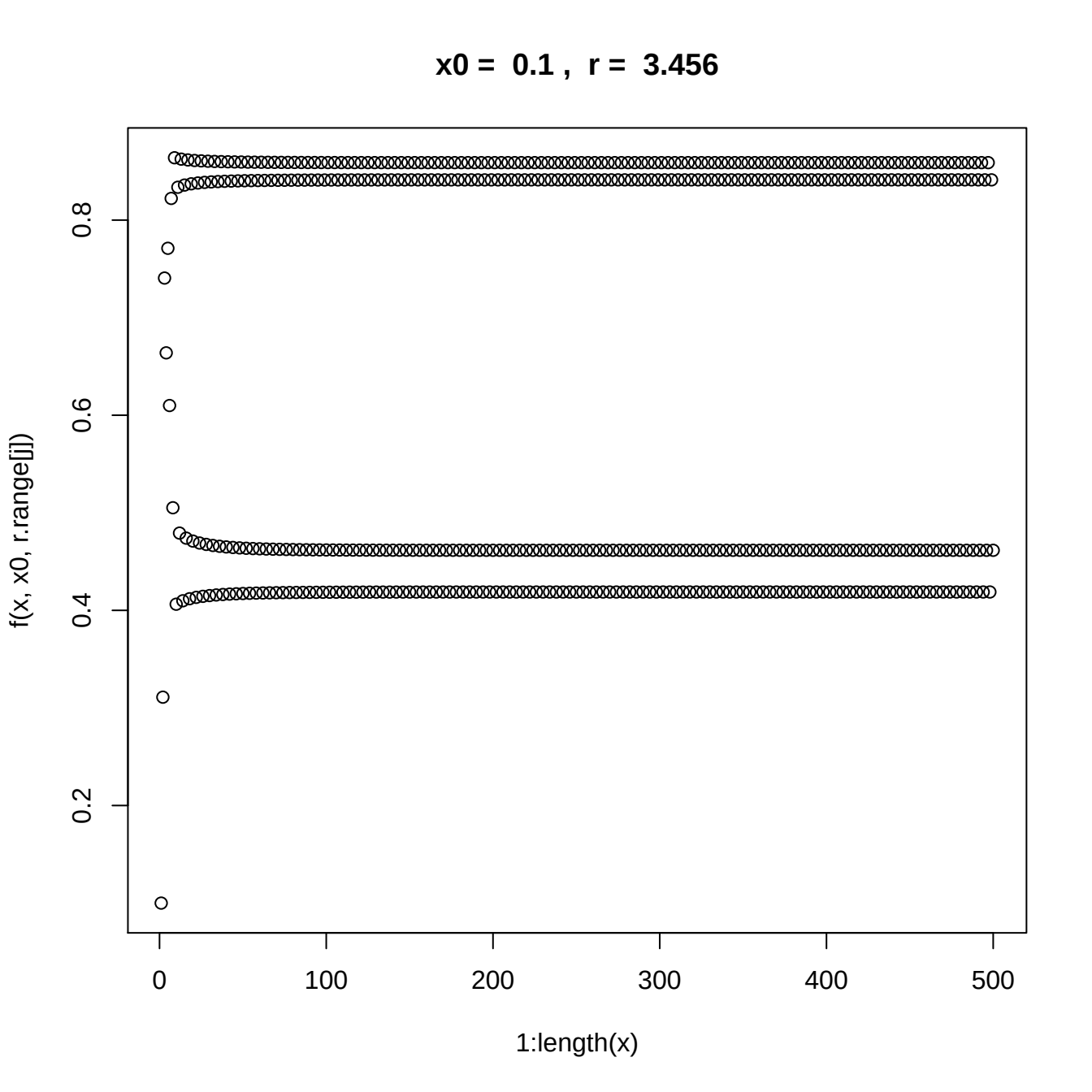

x0 = 0.1 , r = 3.446
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

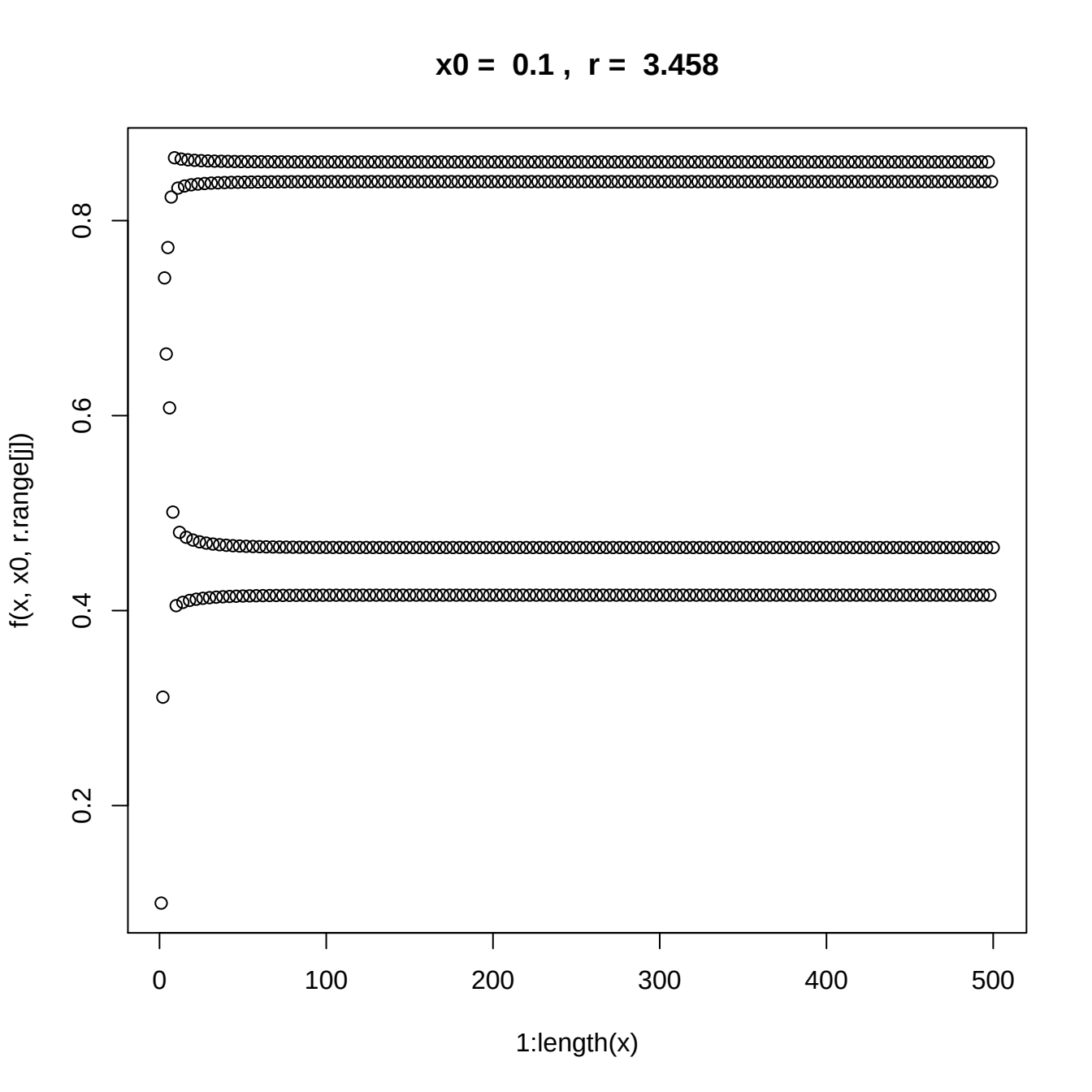

x0 = 0.1 , r = 3.448
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

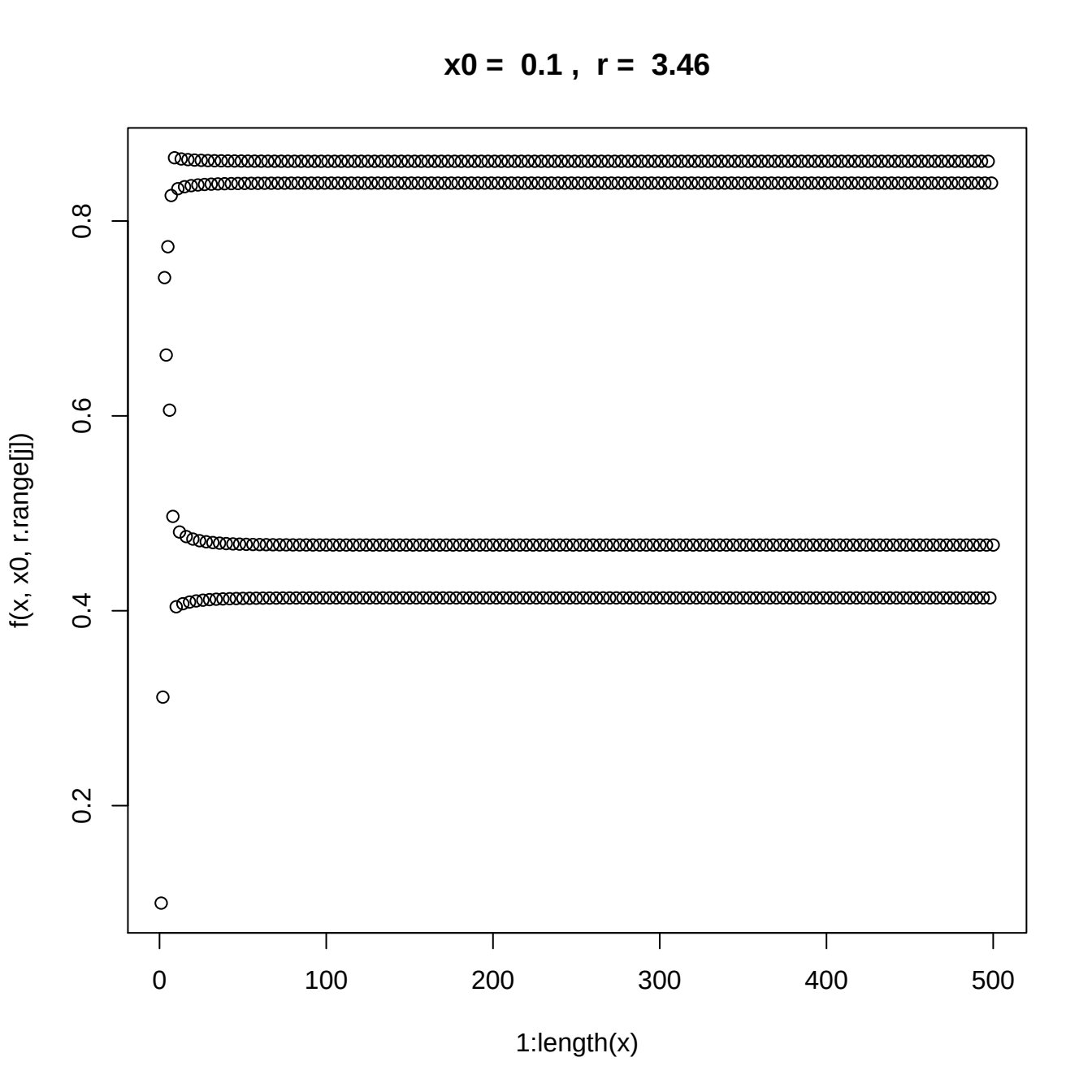

x0 = 0.1 , r = 3.45
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

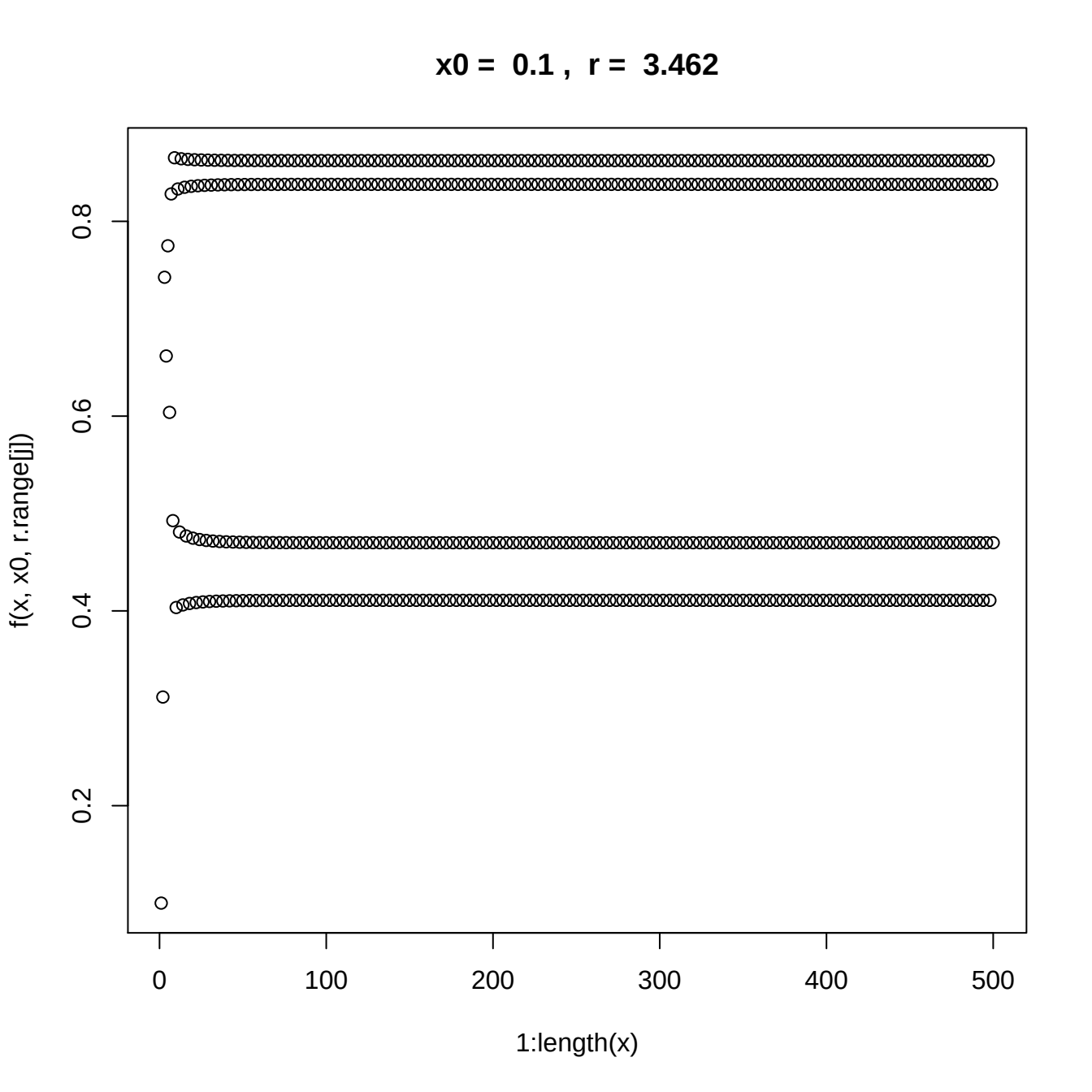

x0 = 0.1 , r = 3.452
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

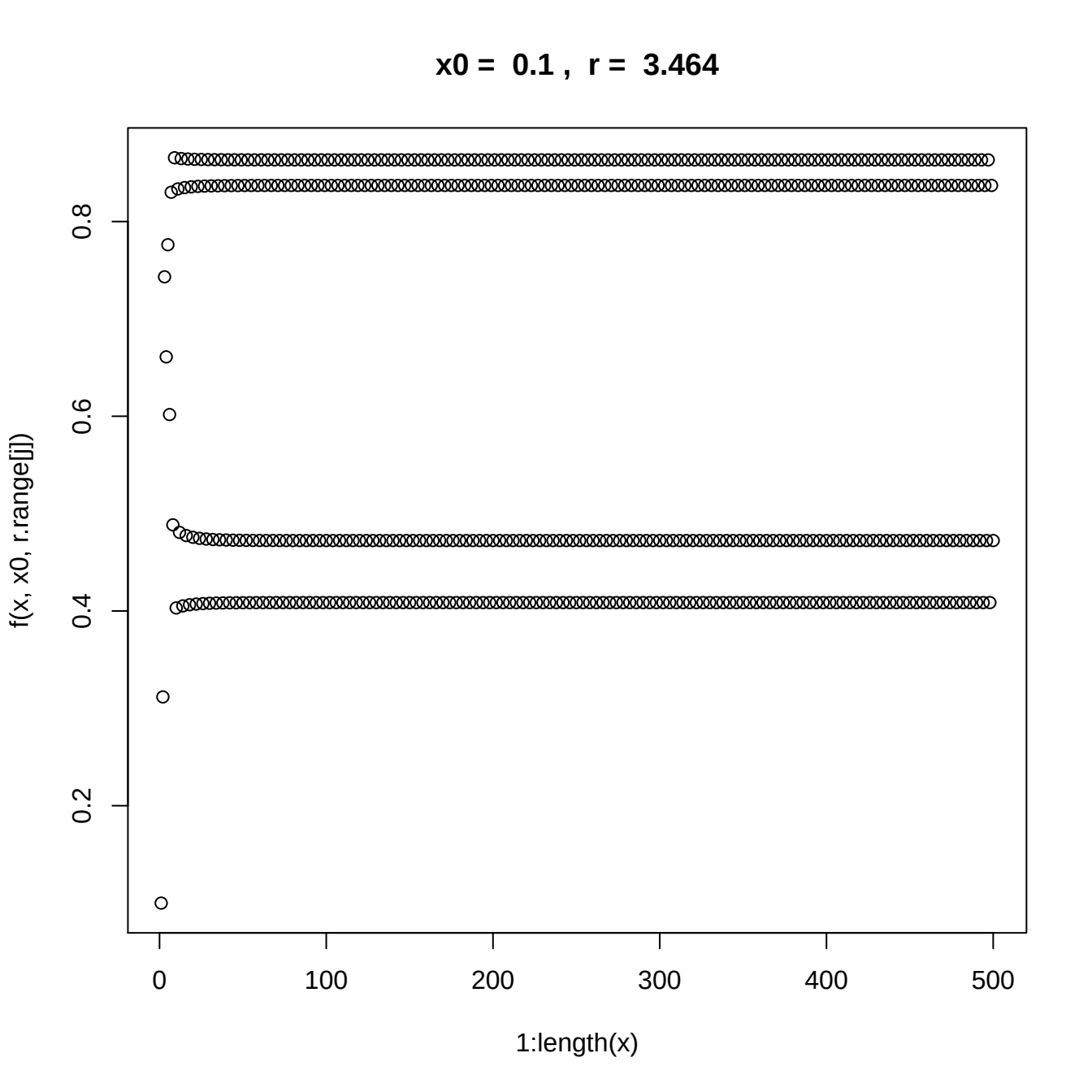

x0 = 0.1 , r = 3.454
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

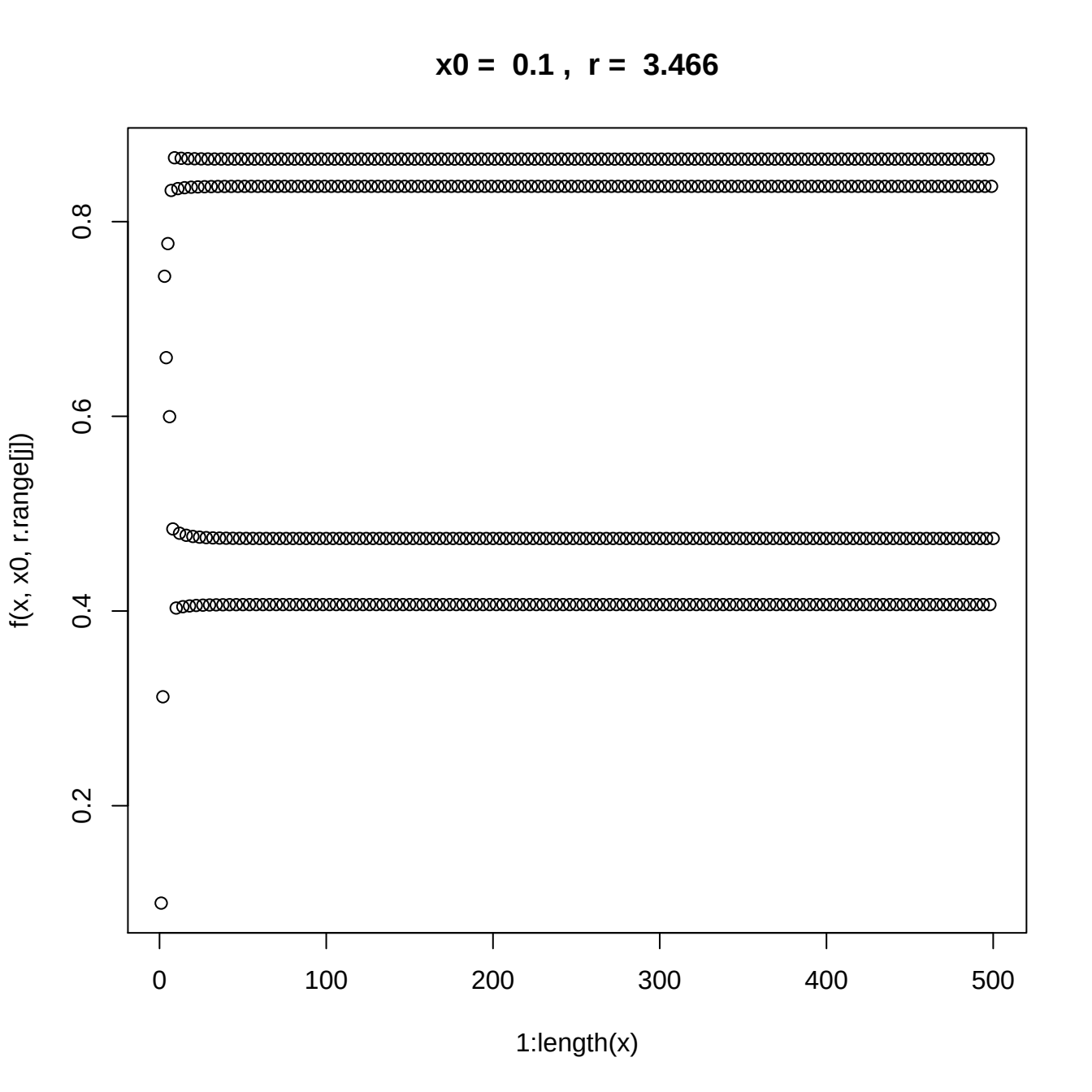

x0 = 0.1 , r = 3.456
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

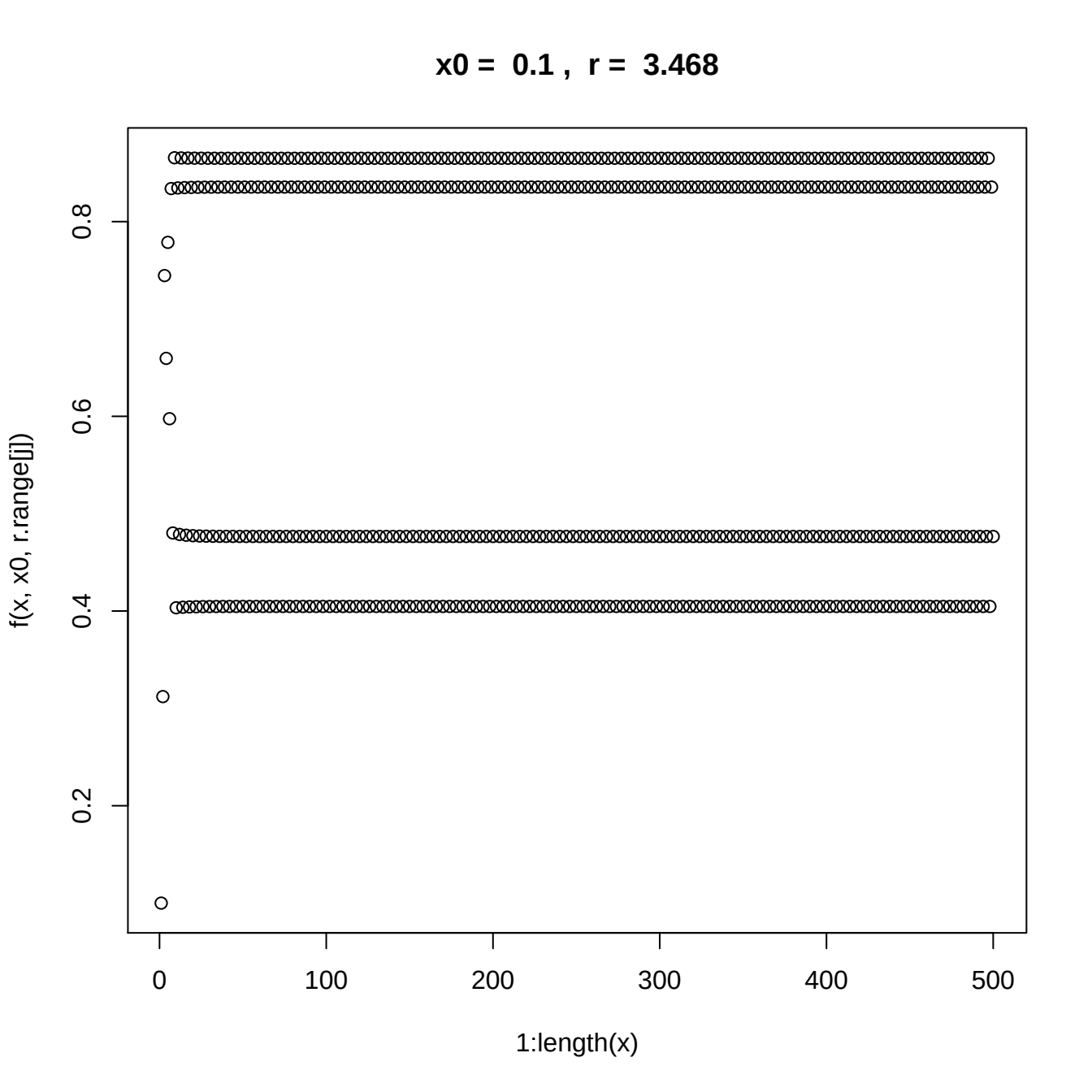

x0 = 0.1 , r = 3.458
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

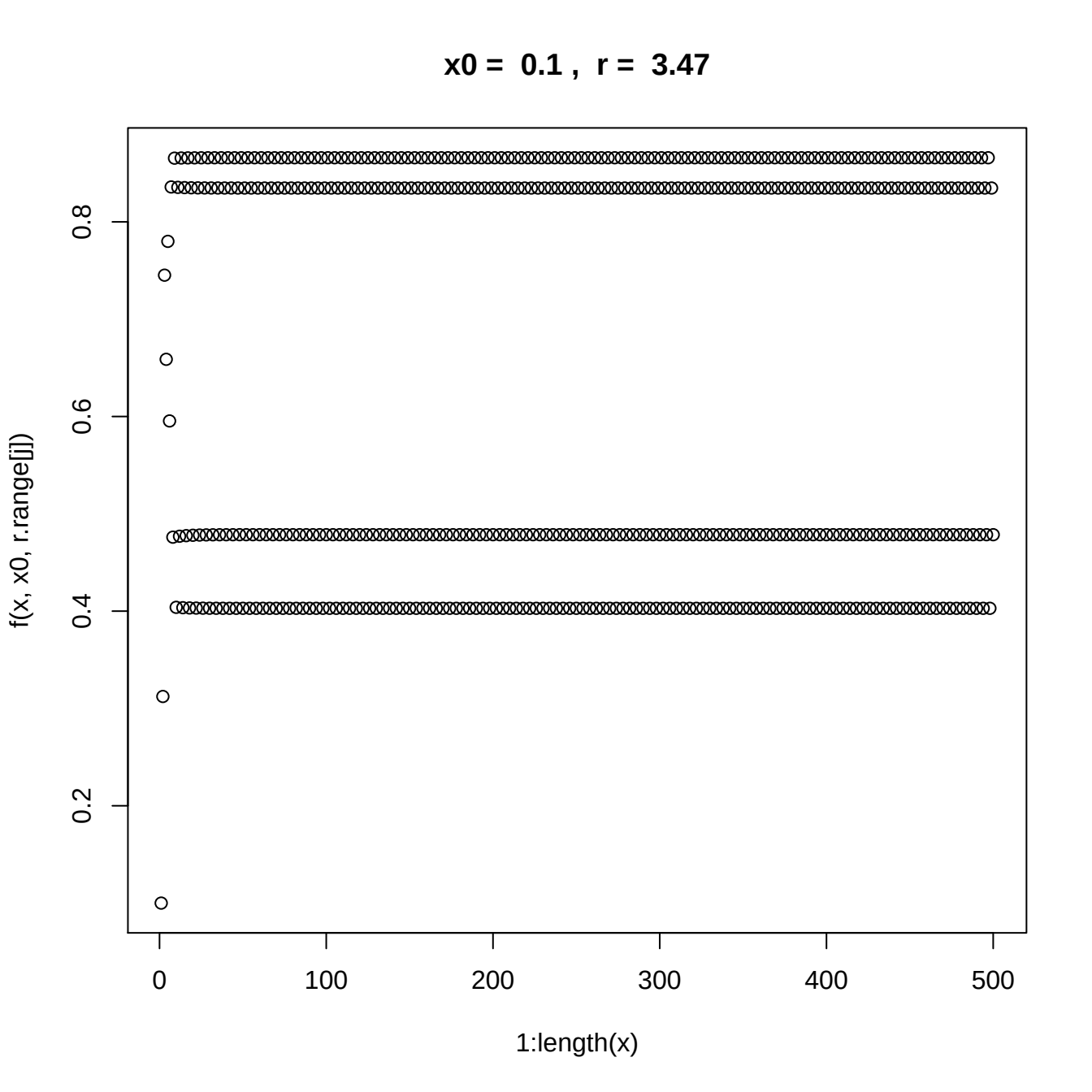

x0 = 0.1 , r = 3.46
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

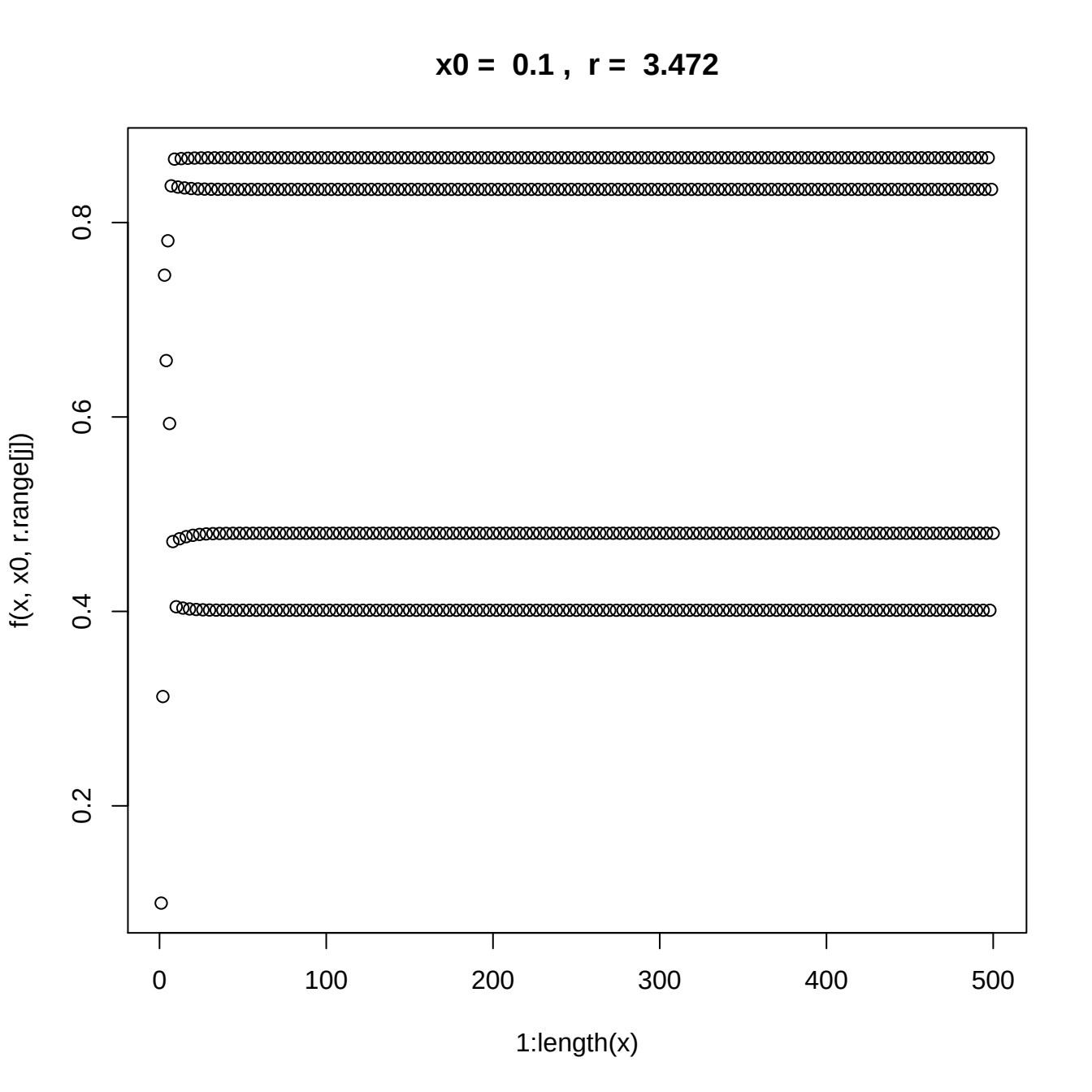

x0 = 0.1 , r = 3.462
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

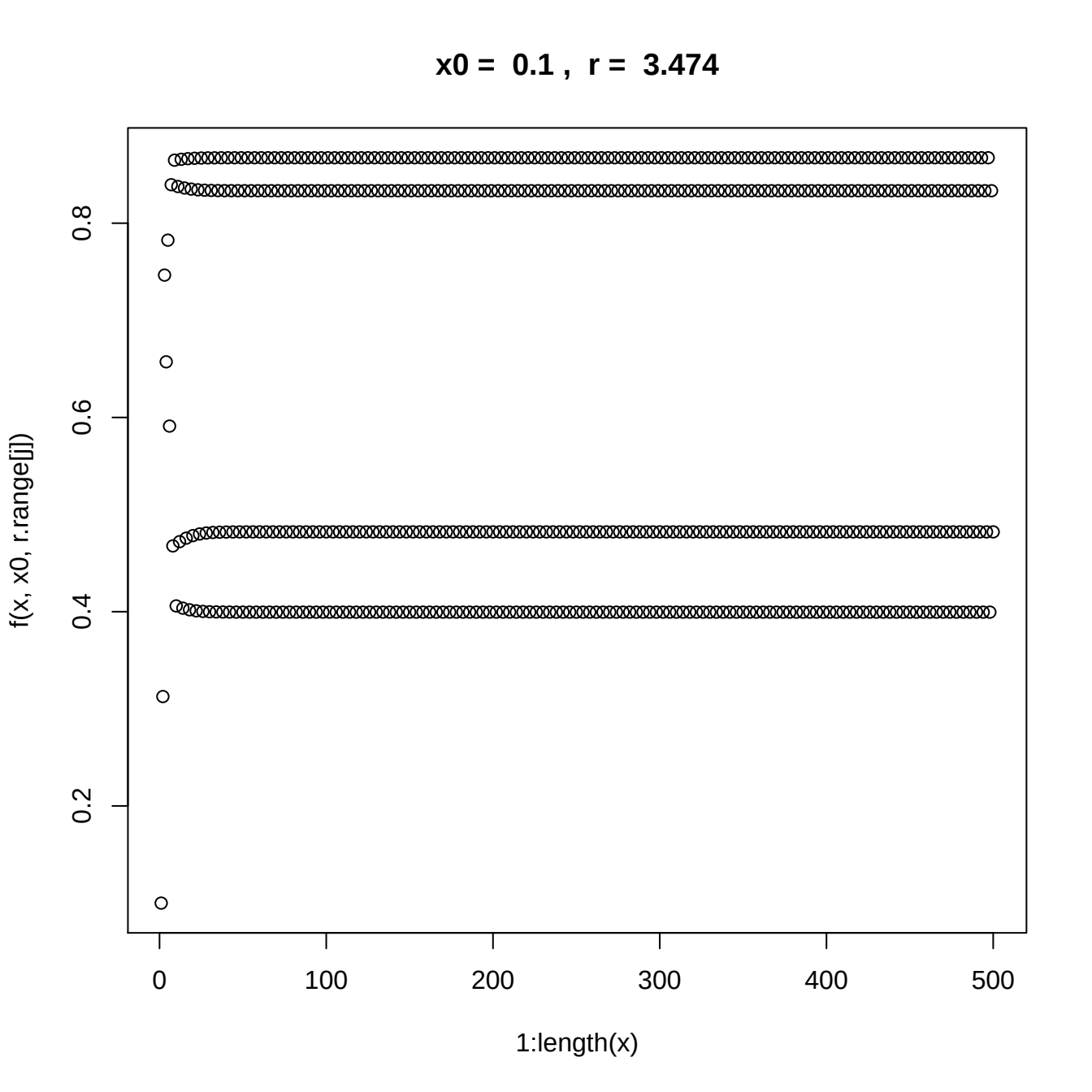

x0 = 0.1 , r = 3.464
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

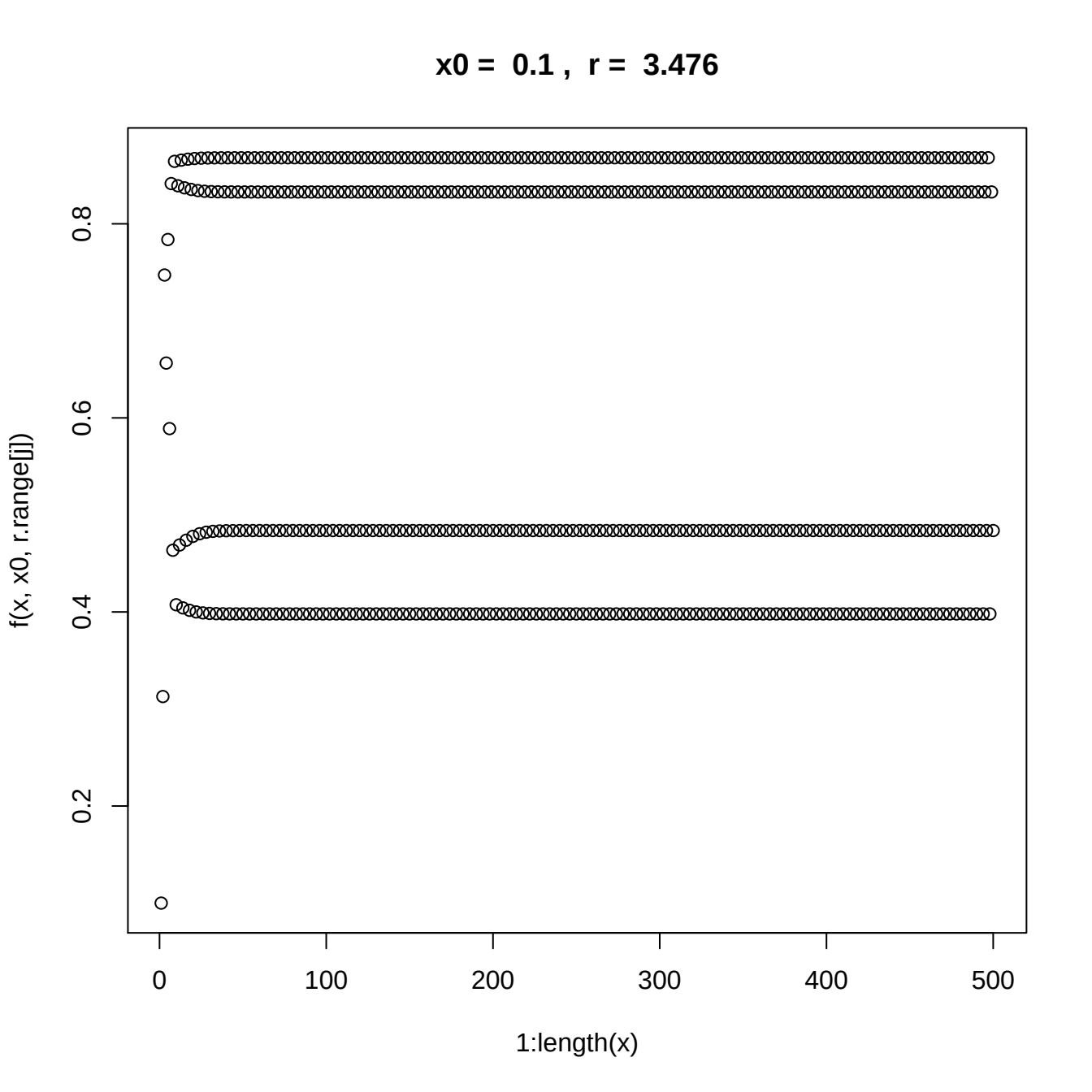

x0 = 0.1 , r = 3.466
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

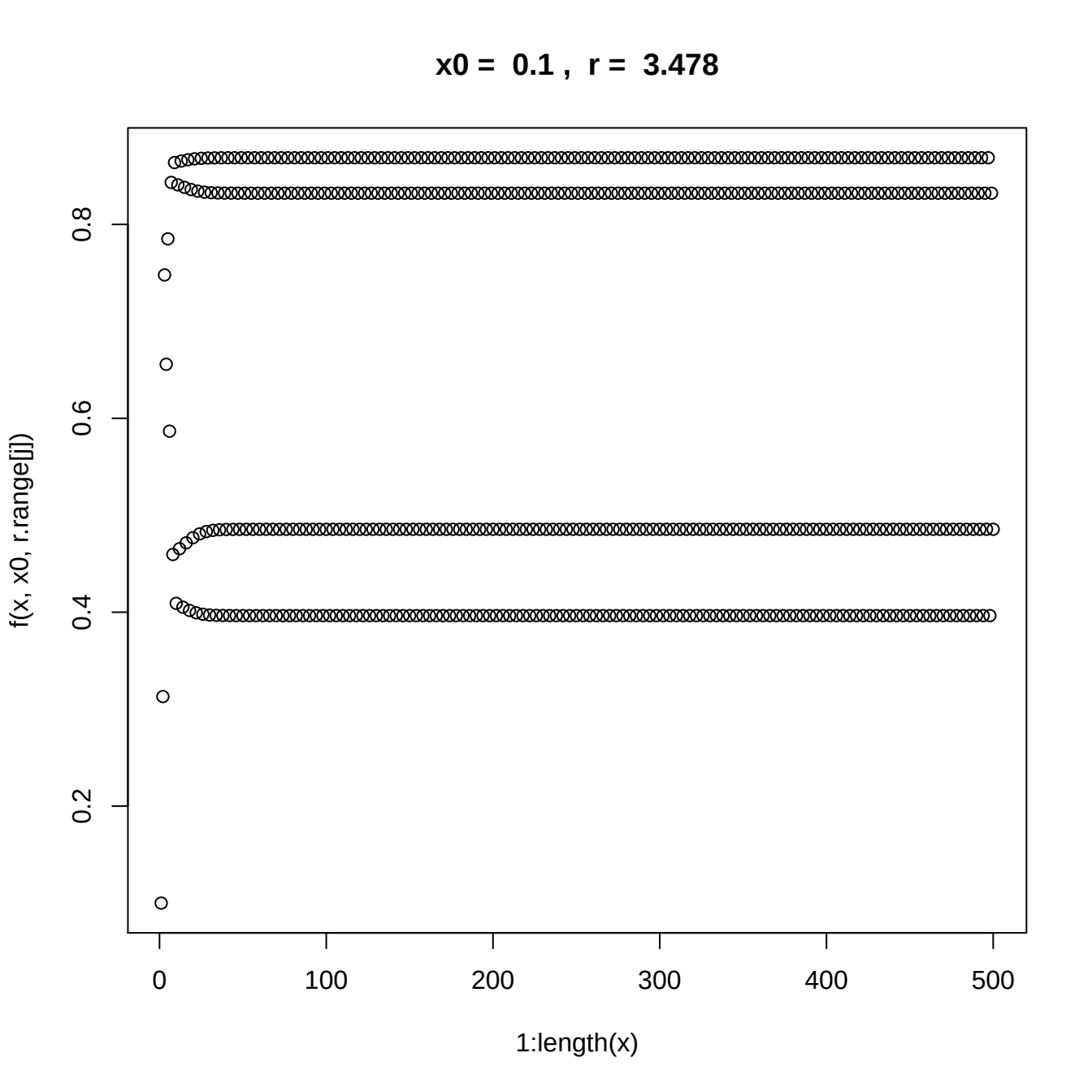

x0 = 0.1 , r = 3.468
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

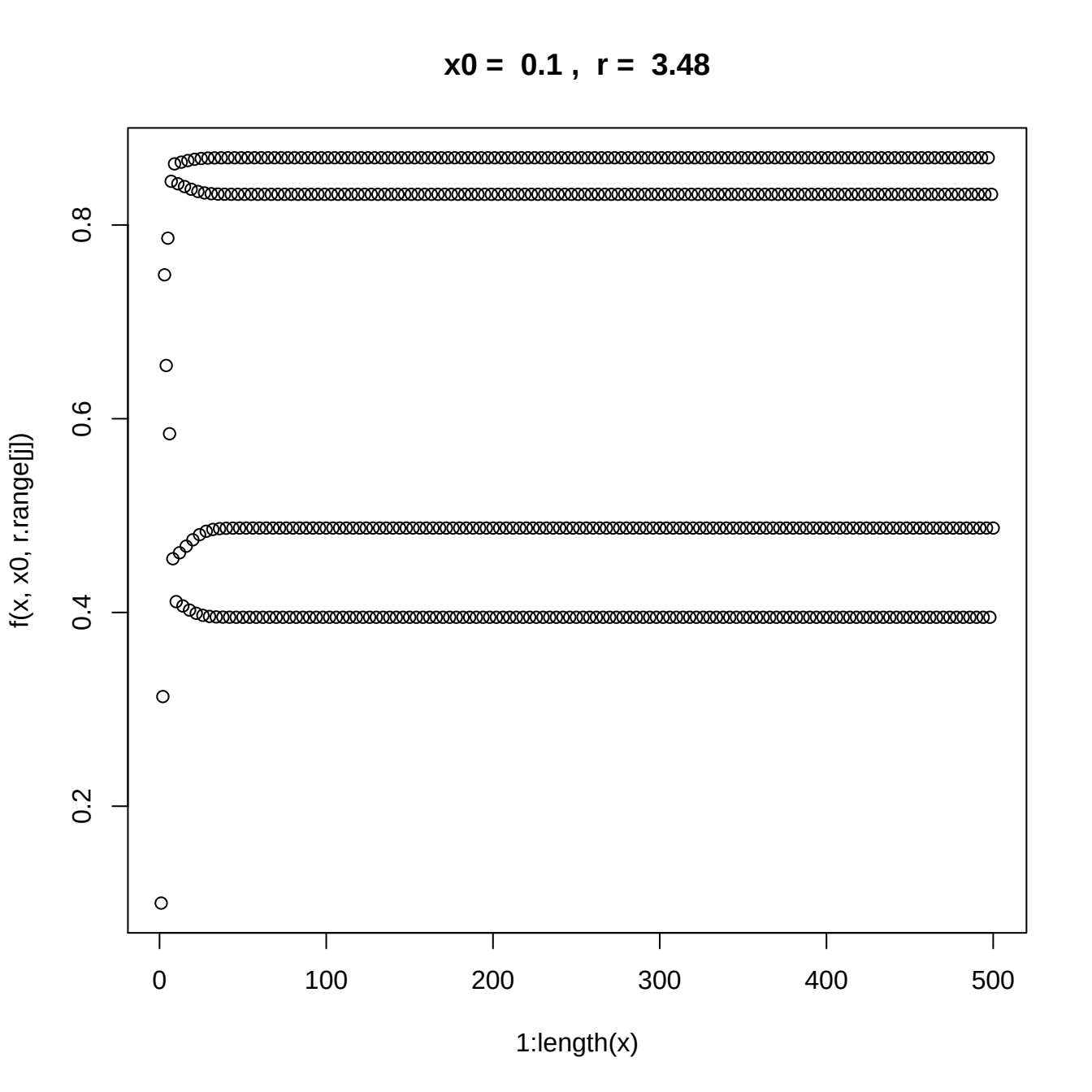

x0 = 0.1 , r = 3.47
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

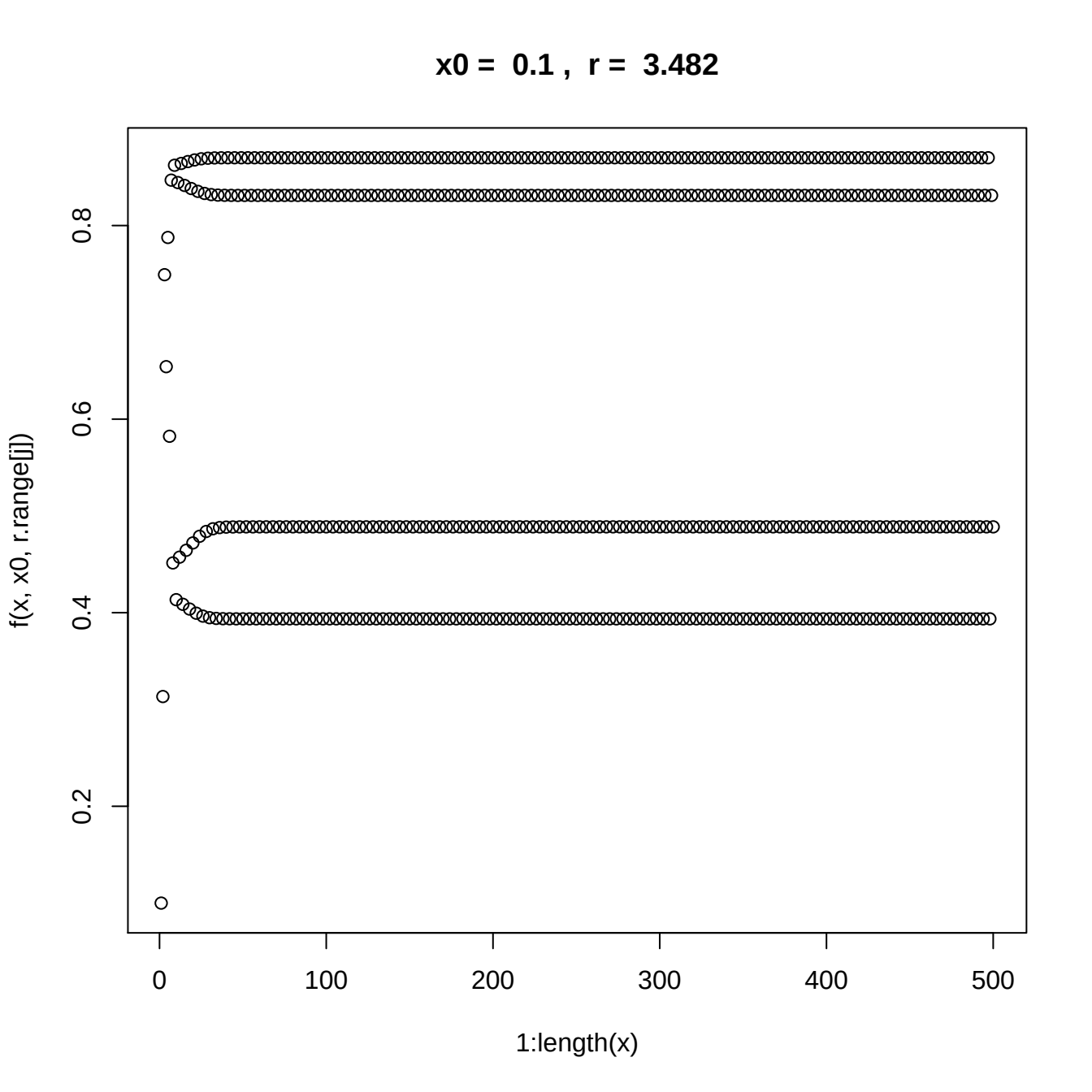

x0 = 0.1 , r = 3.472
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

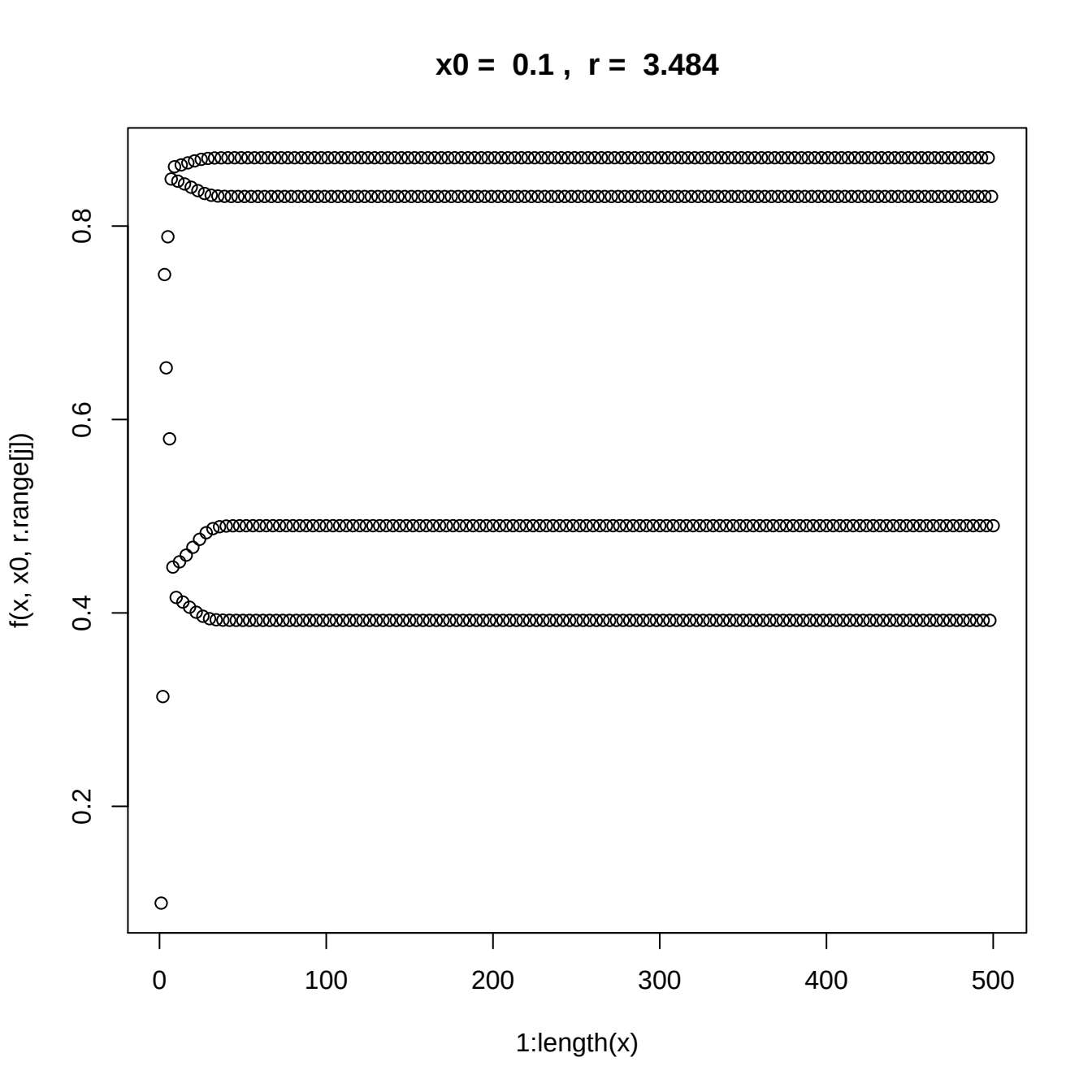

x0 = 0.1 , r = 3.474
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

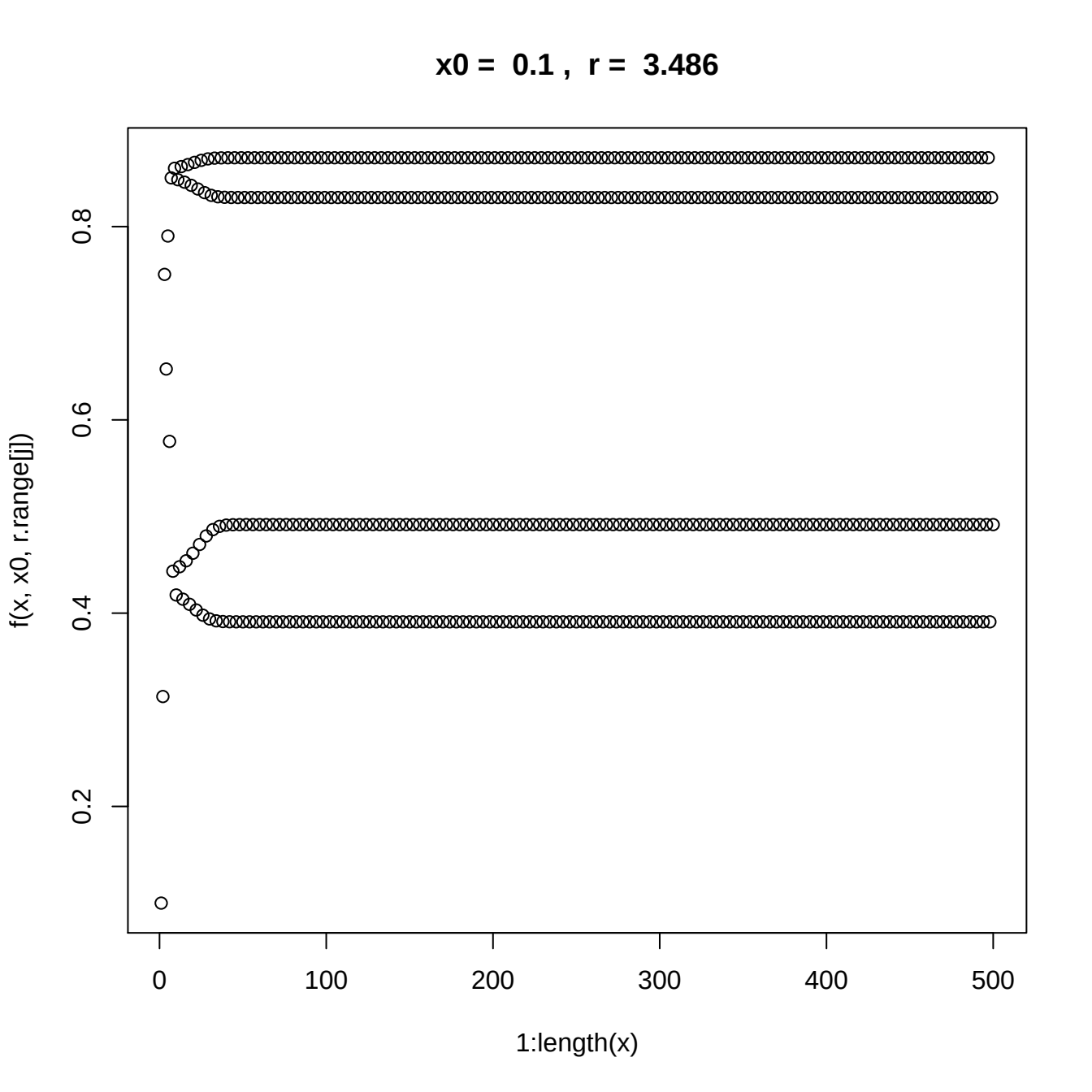

x0 = 0.1 , r = 3.476
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

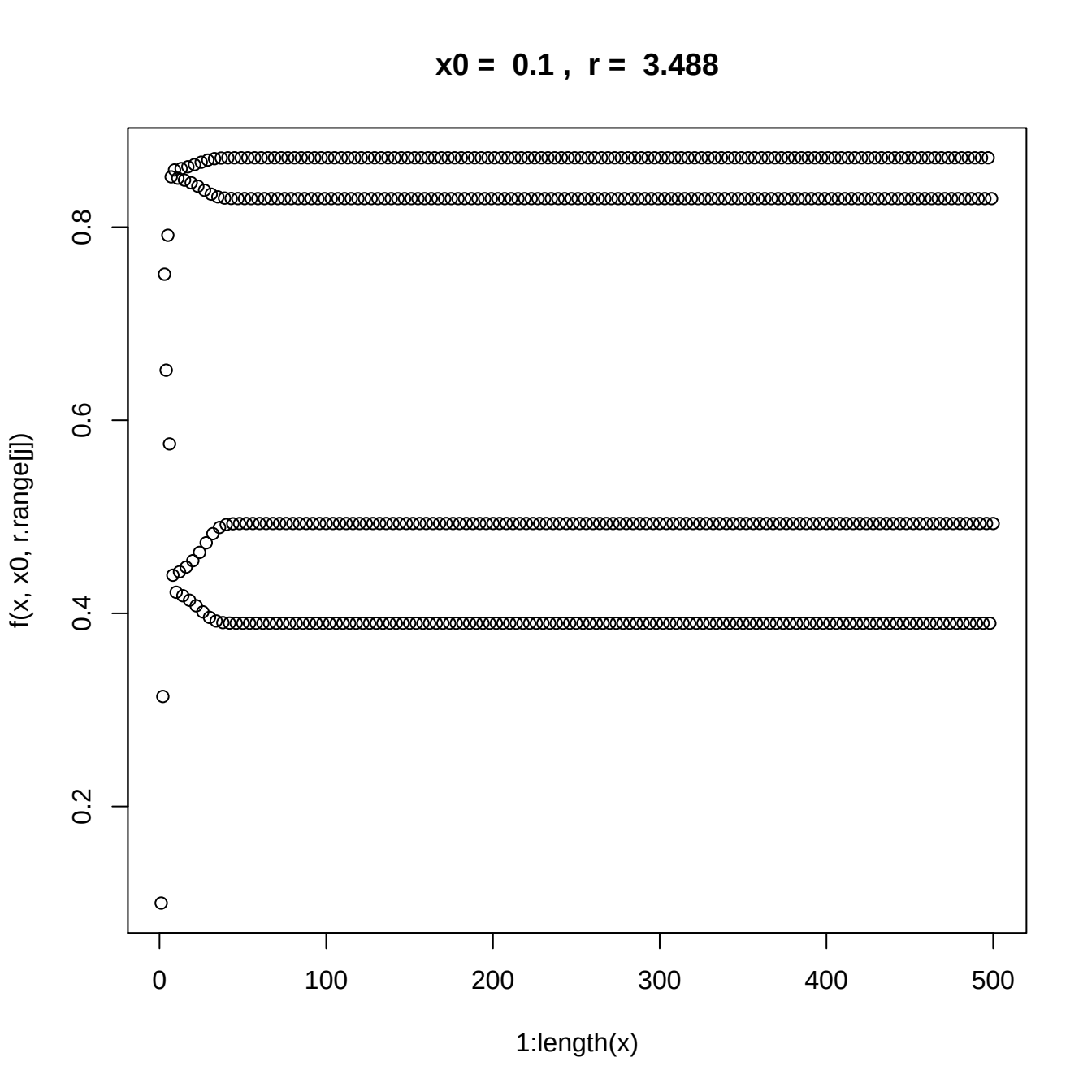

x0 = 0.1 , r = 3.478
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

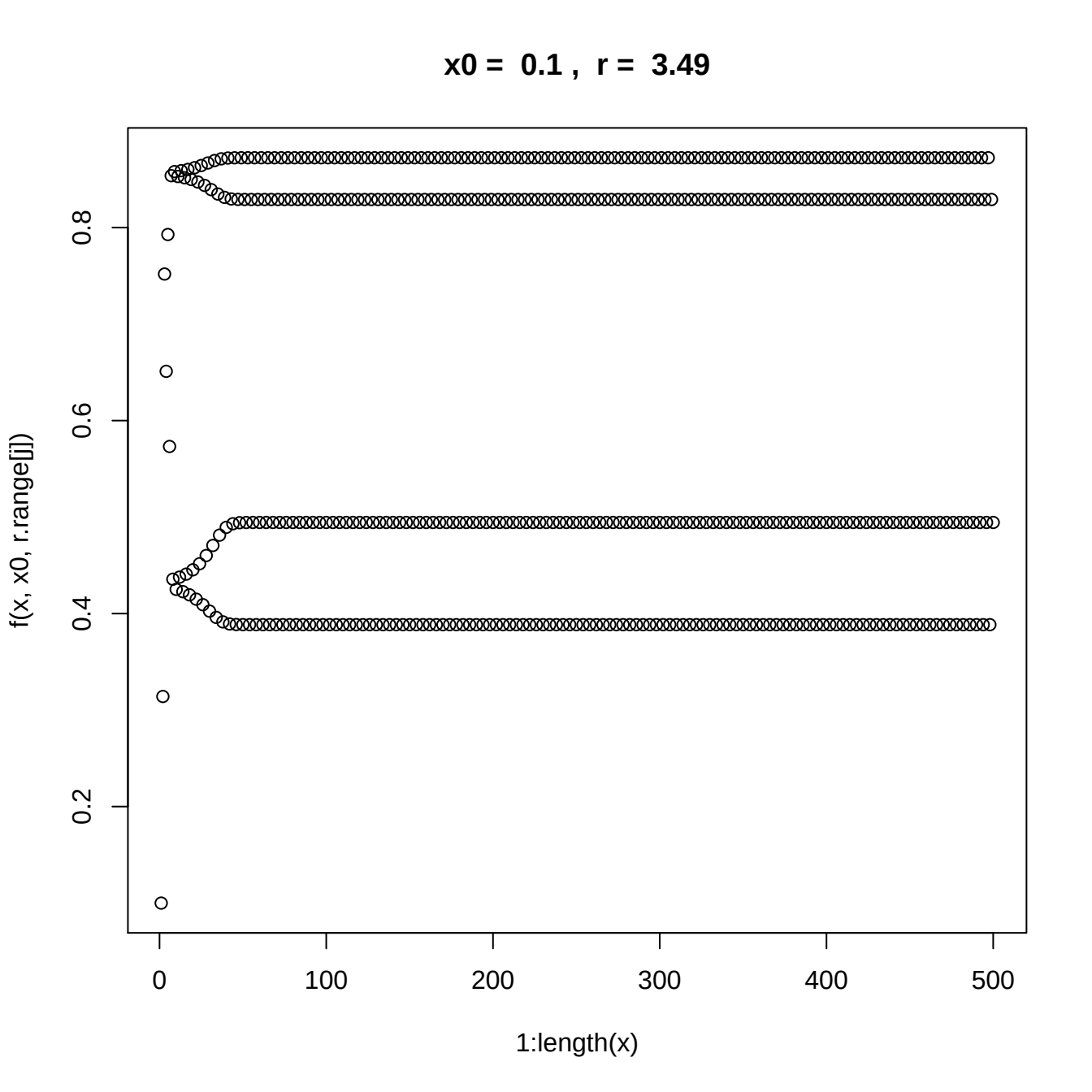

x0 = 0.1 , r = 3.48
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

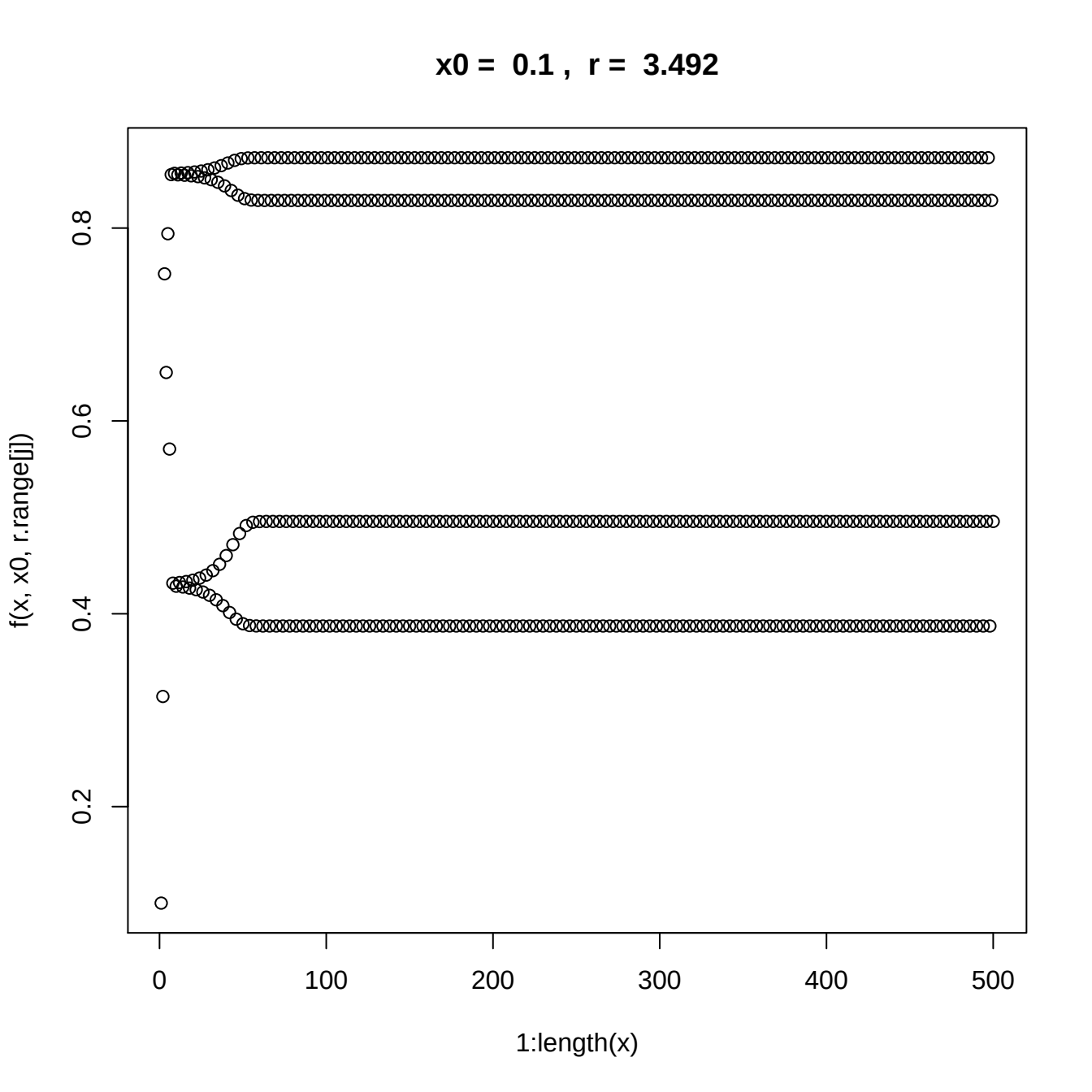

x0 = 0.1 , r = 3.482
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

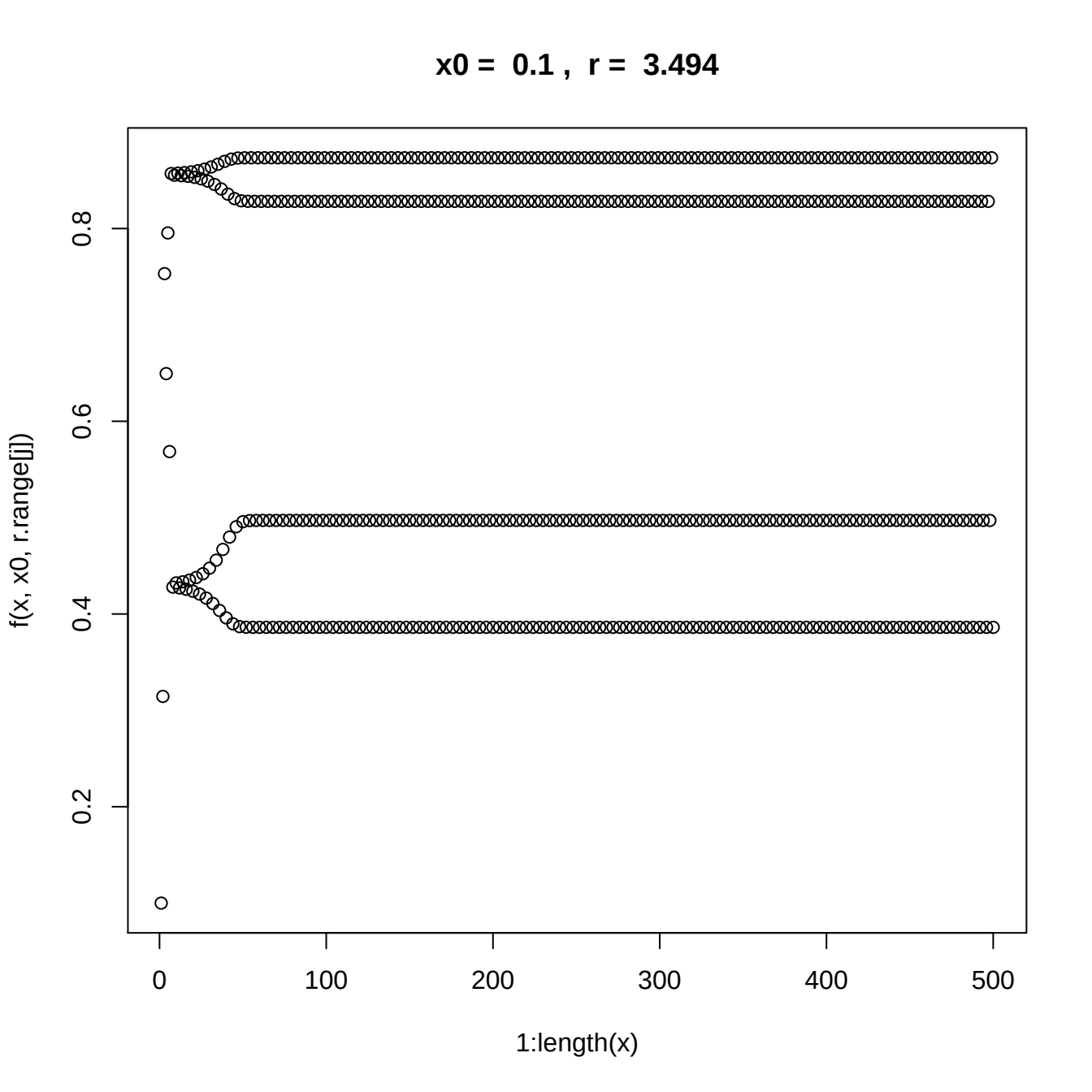

x0 = 0.1 , r = 3.484
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

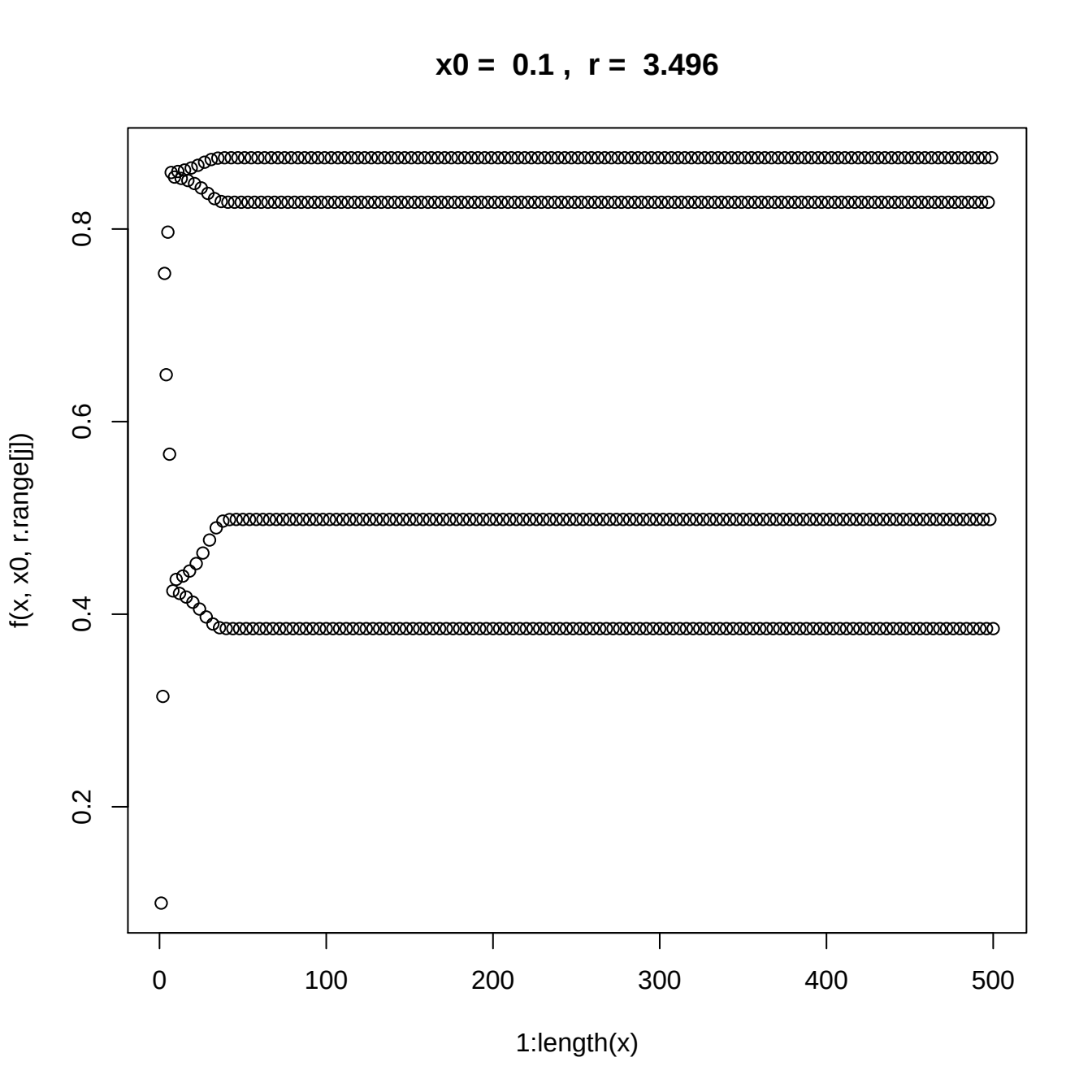

x0 = 0.1 , r = 3.486
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

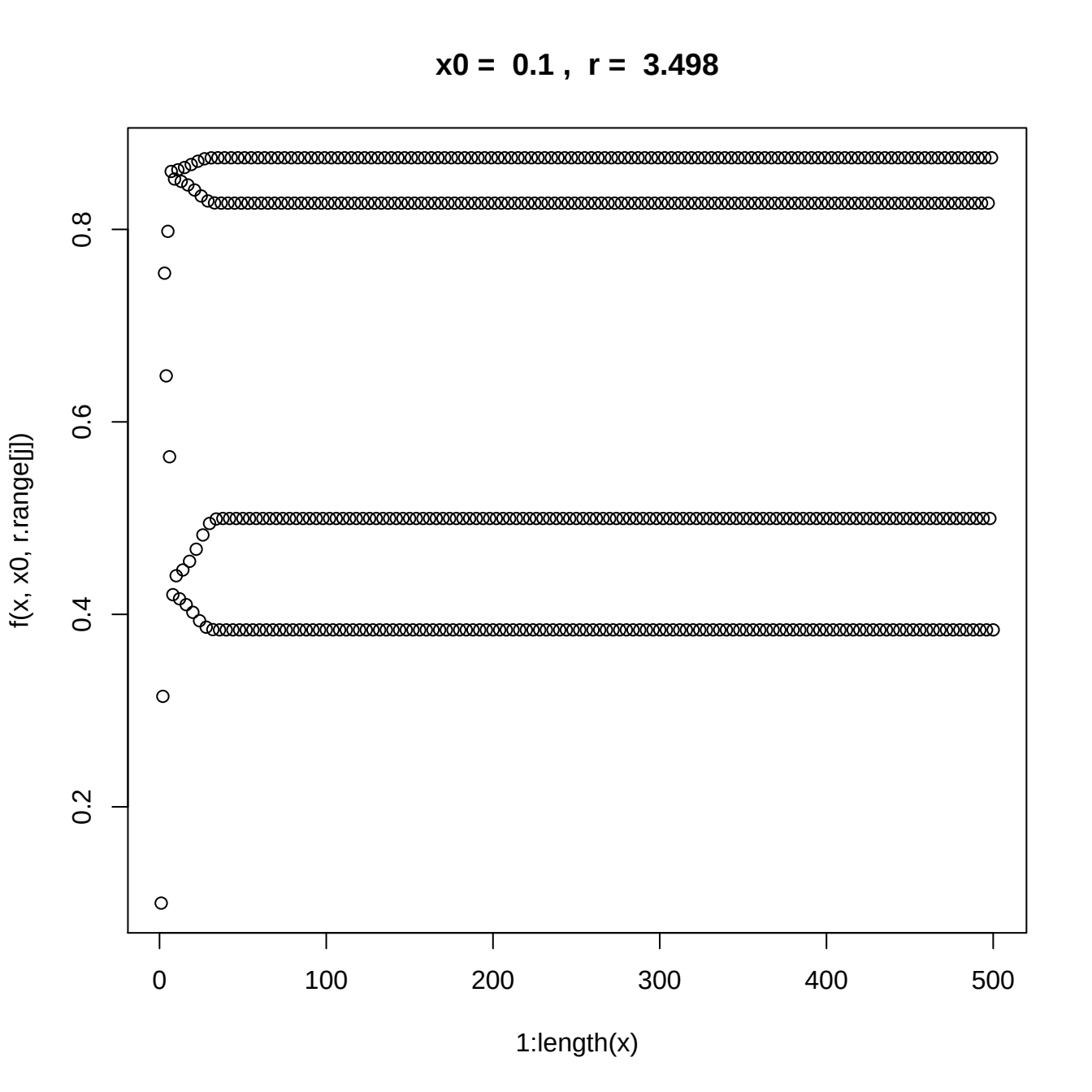

x0 = 0.1 , r = 3.488
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

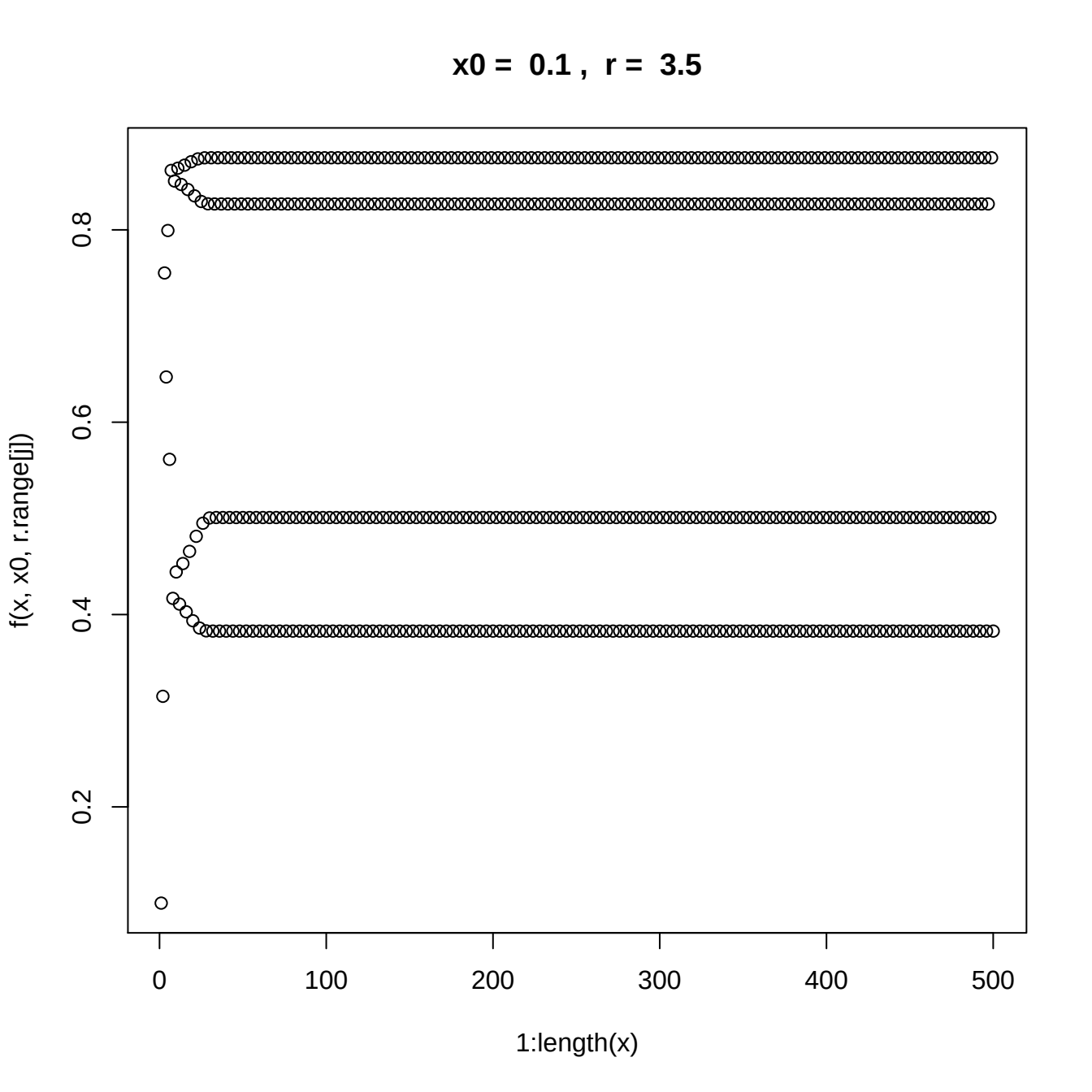

x0 = 0.1 , r = 3.49
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

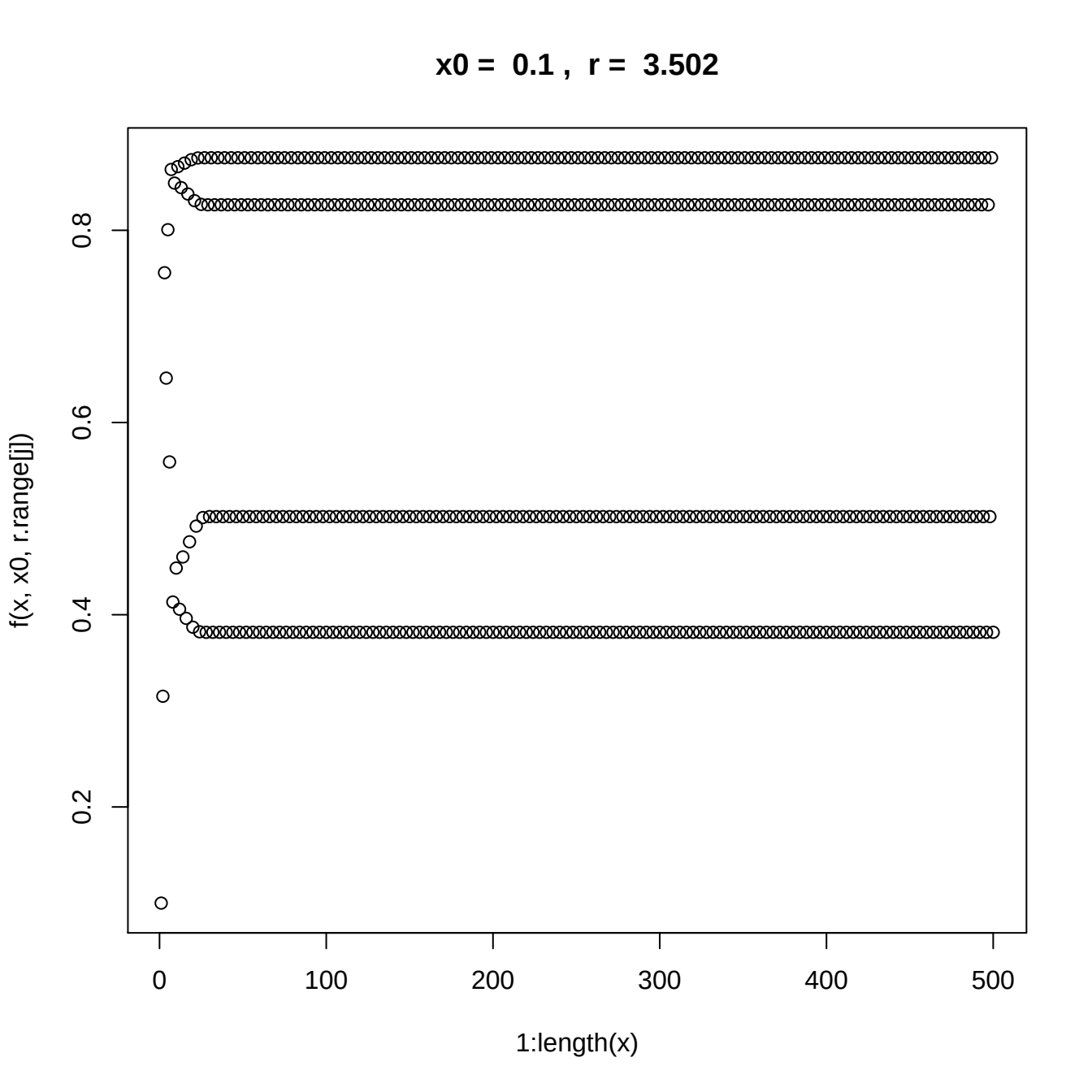

x0 = 0.1 , r = 3.492
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

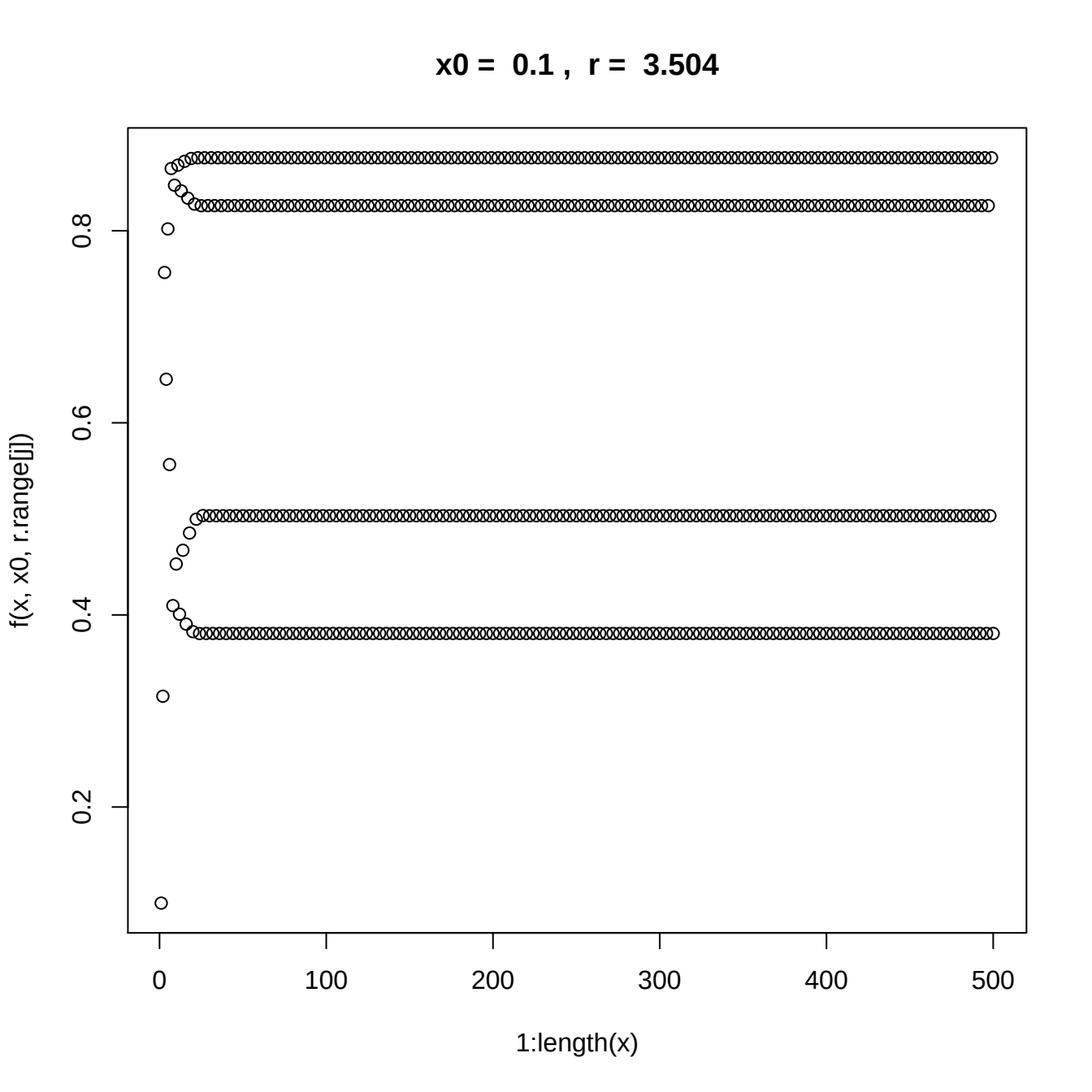

x0 = 0.1 , r = 3.494
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

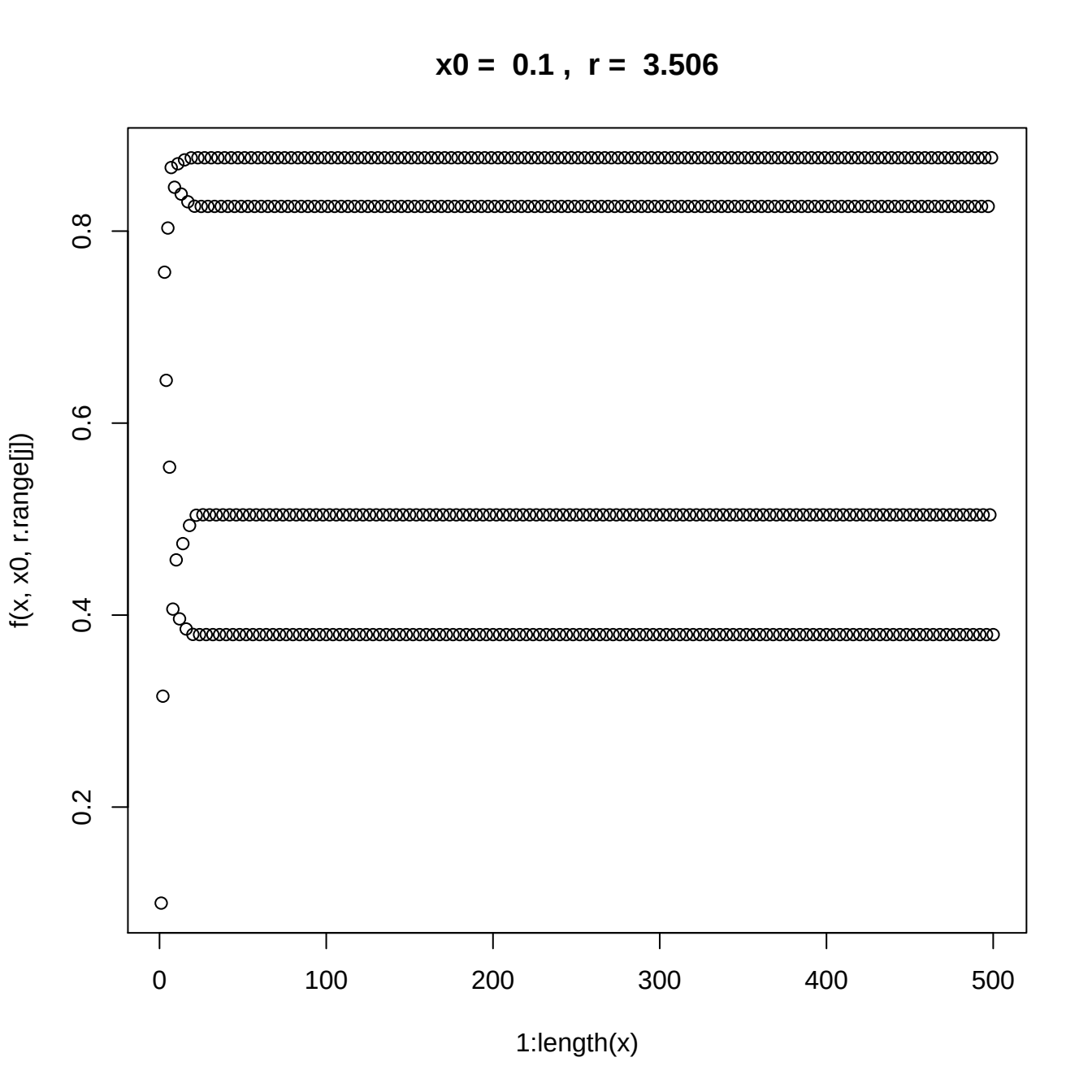

x0 = 0.1 , r = 3.496
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

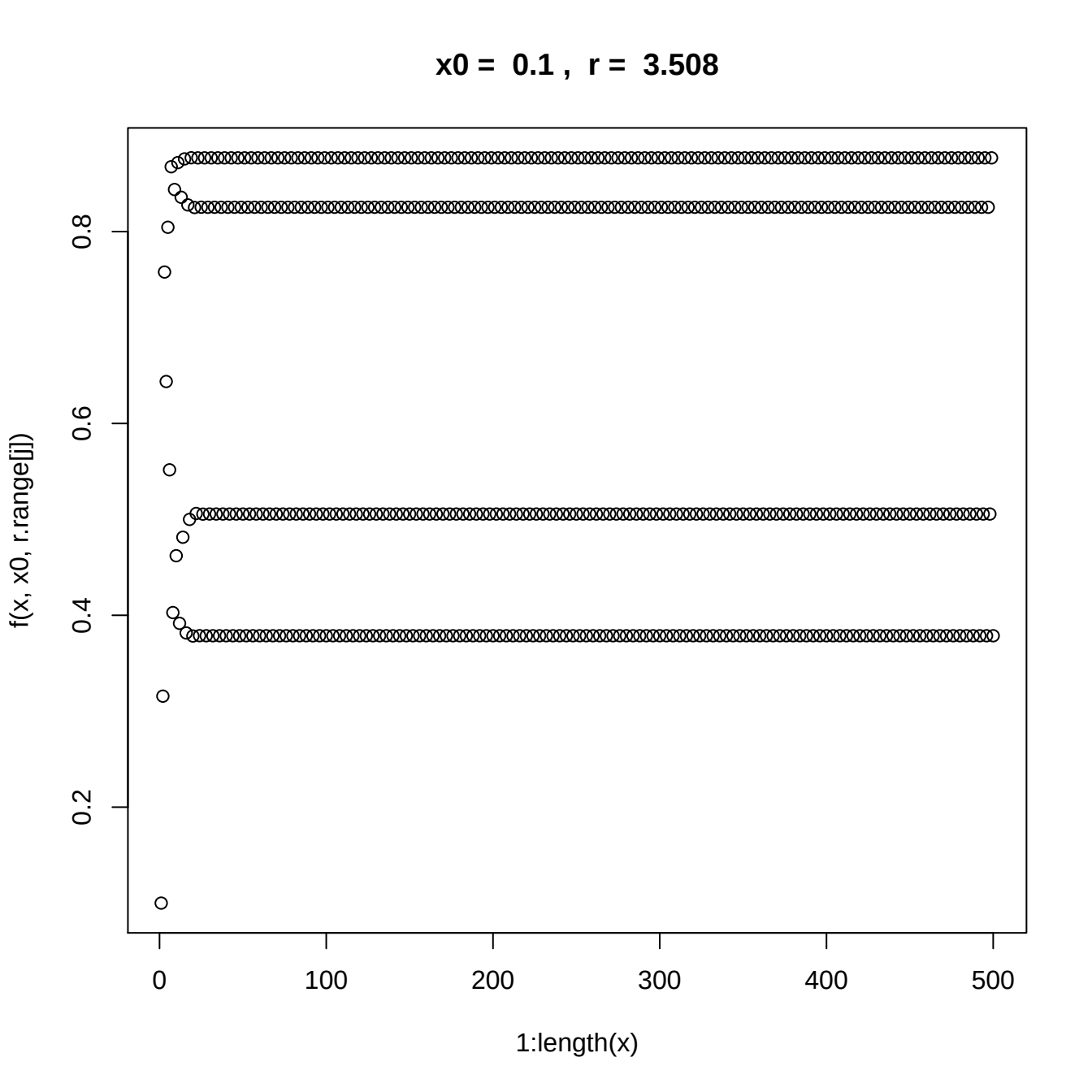

x0 = 0.1 , r = 3.498
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

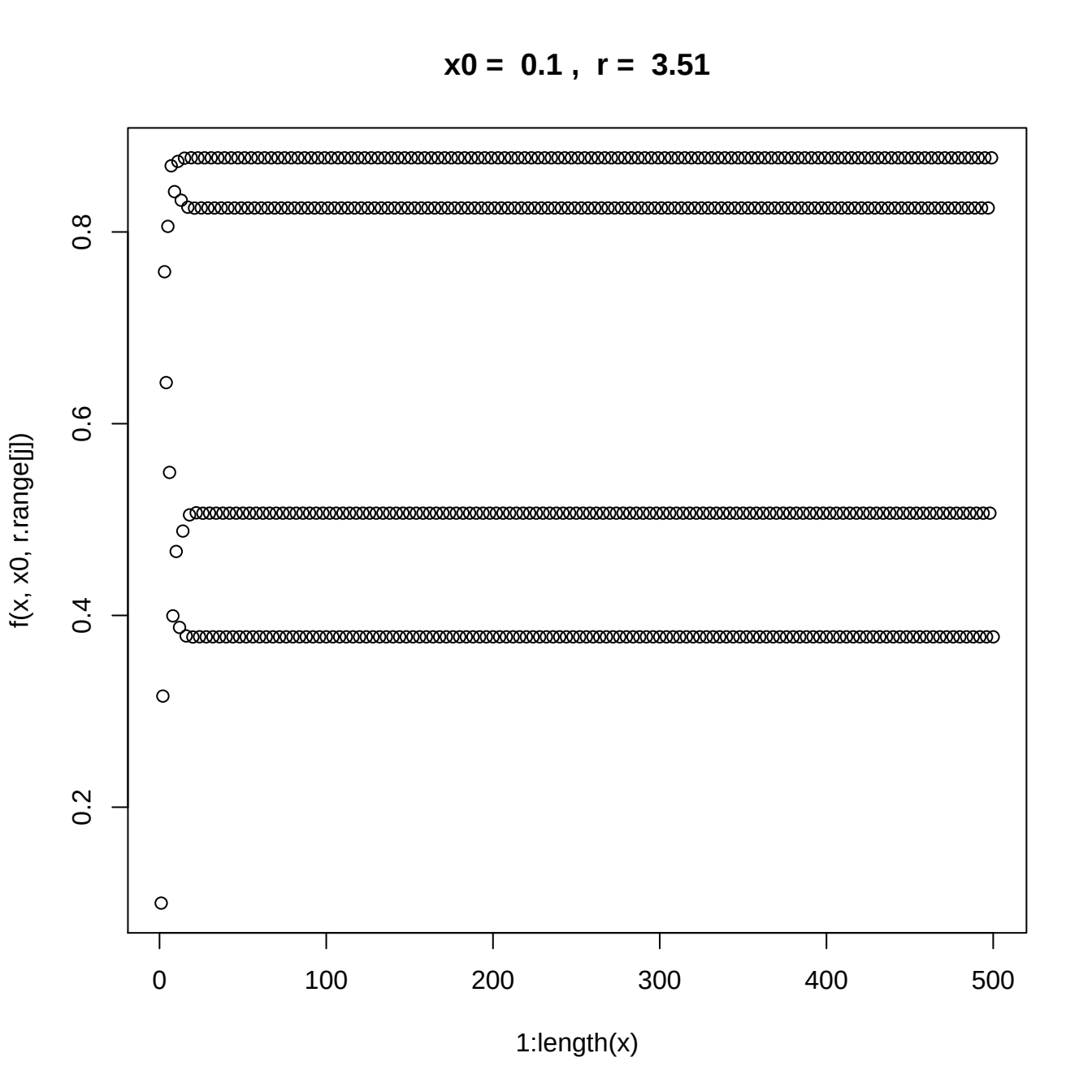

x0 = 0.1 , r = 3.5
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

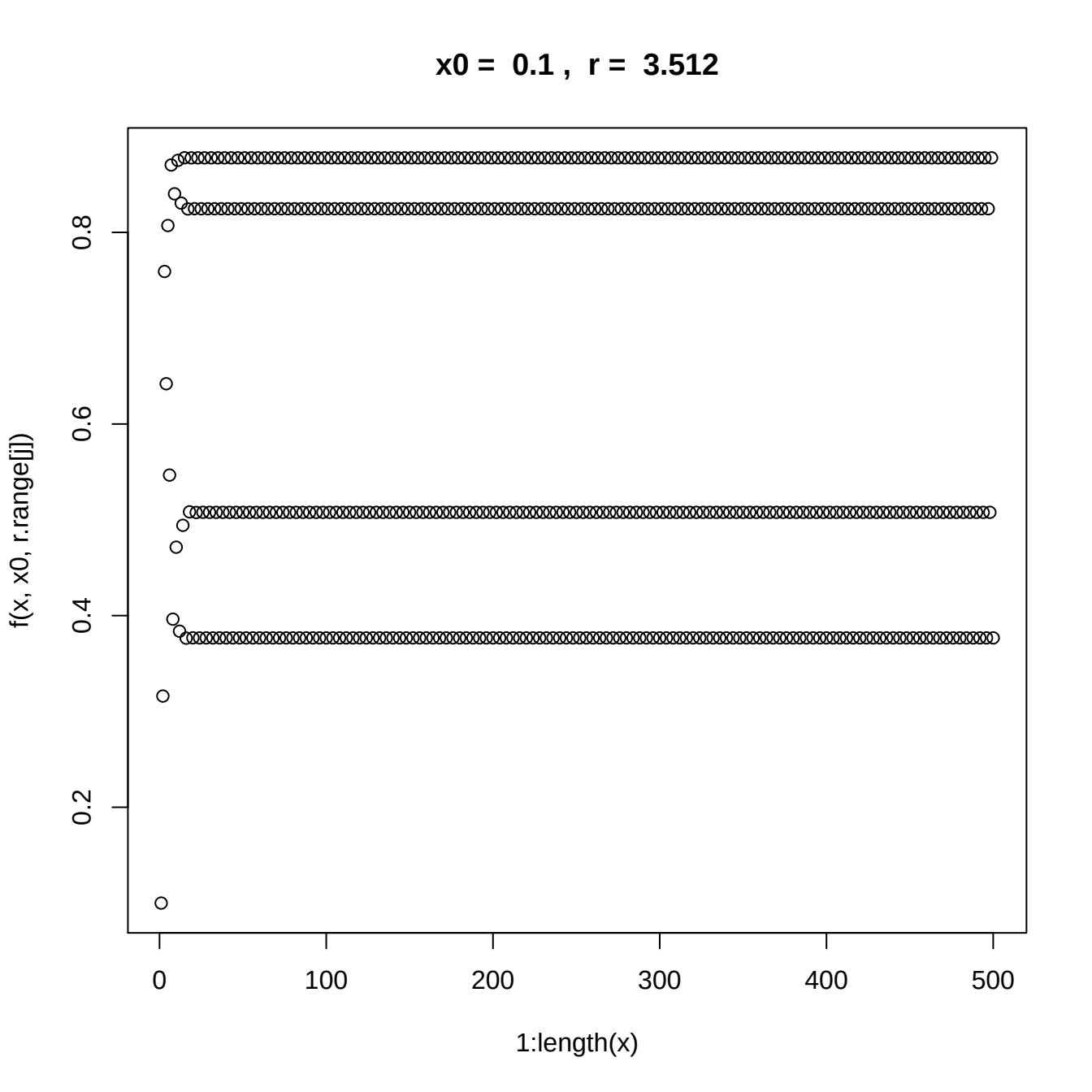

x0 = 0.1 , r = 3.502
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

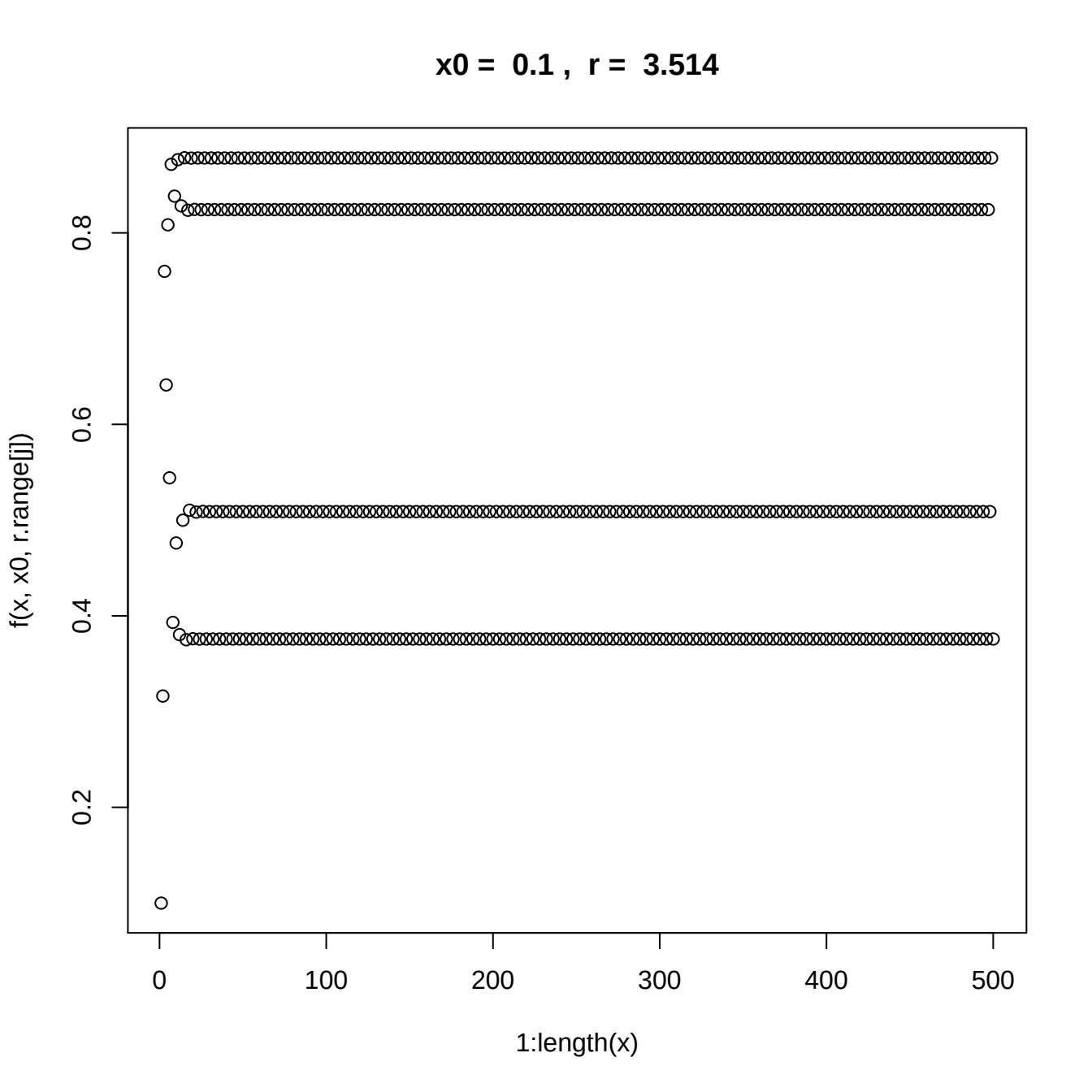

x0 = 0.1 , r = 3.504
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

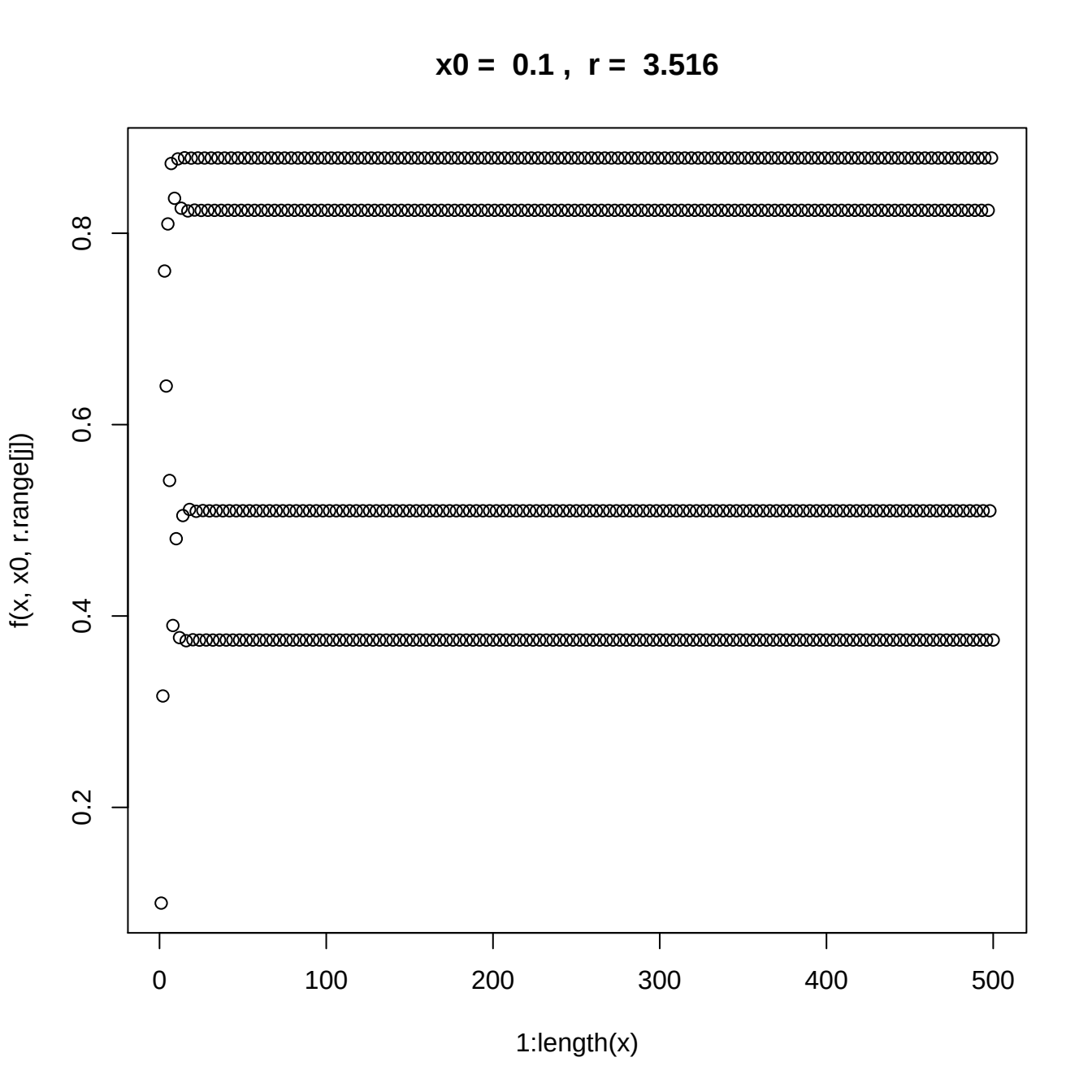

x0 = 0.1 , r = 3.506
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

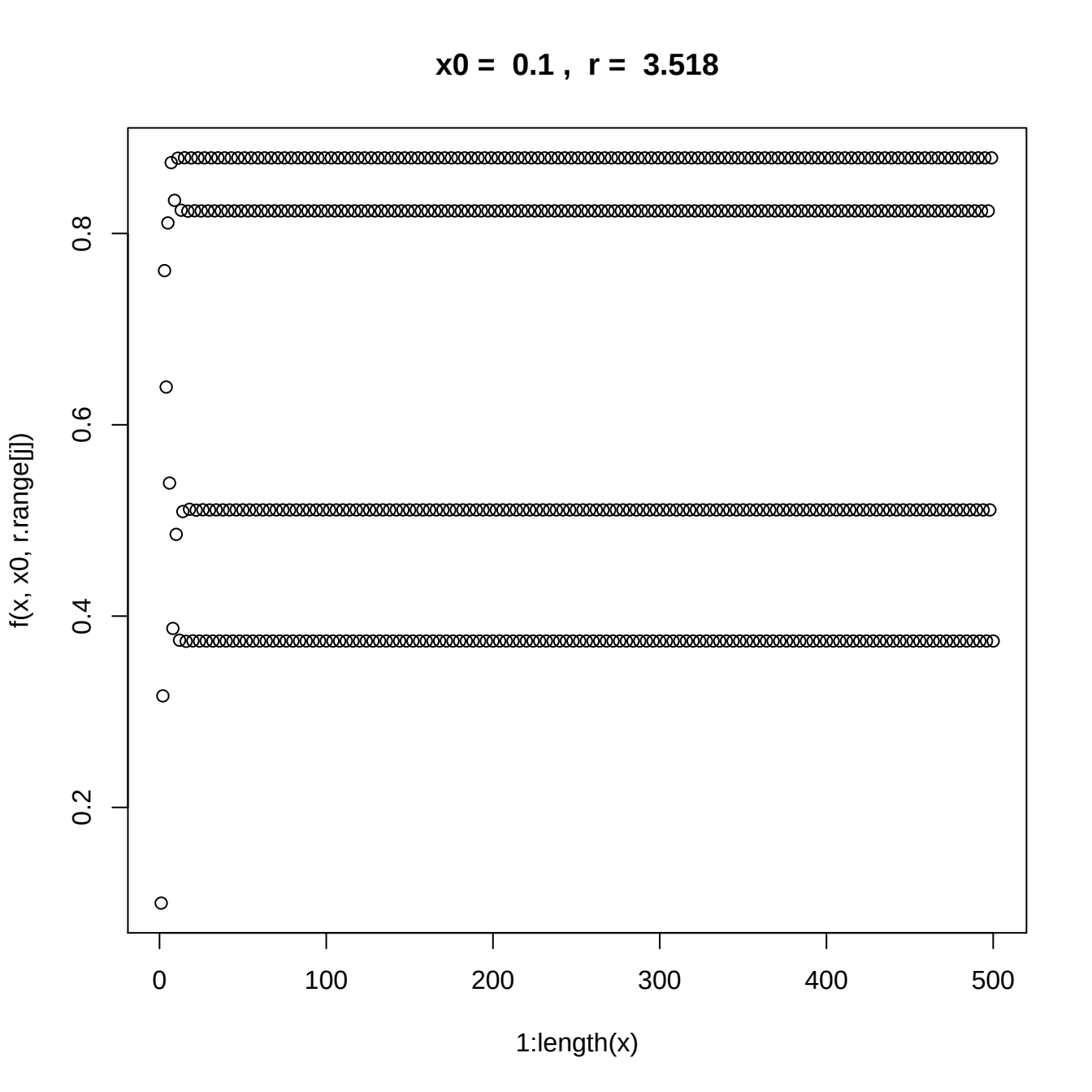

x0 = 0.1 , r = 3.508
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

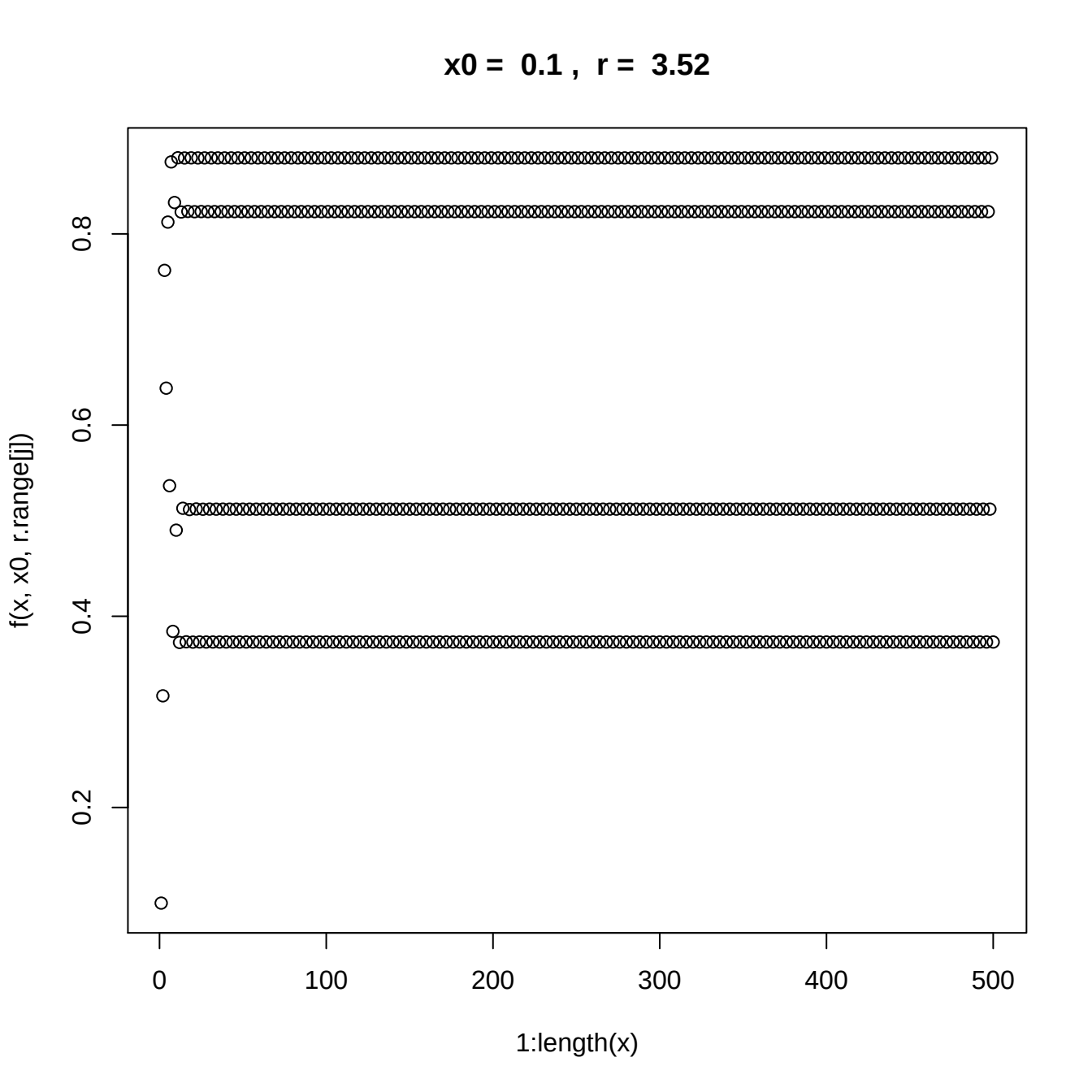

x0 = 0.1 , r = 3.51
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

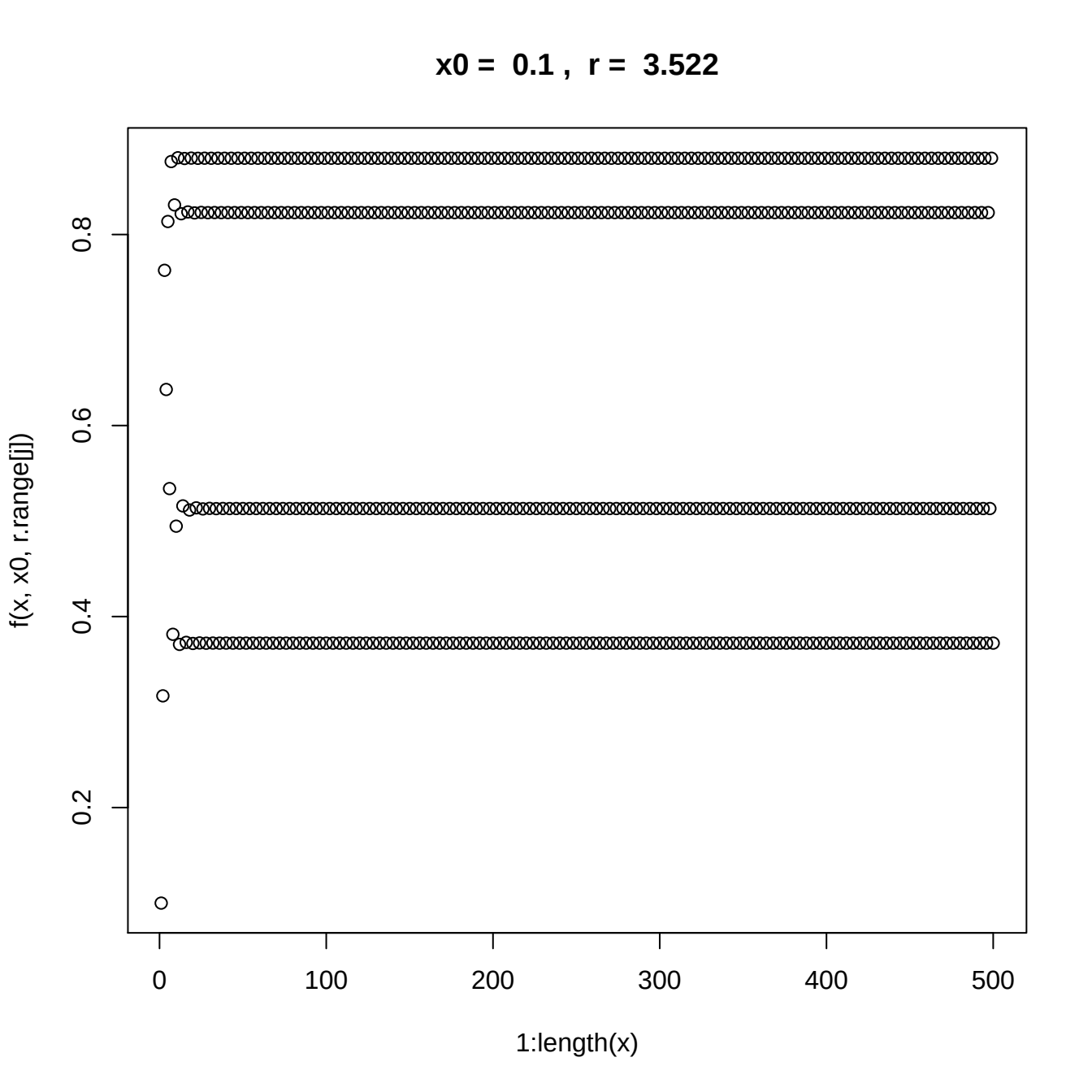

x0 = 0.1 , r = 3.512
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

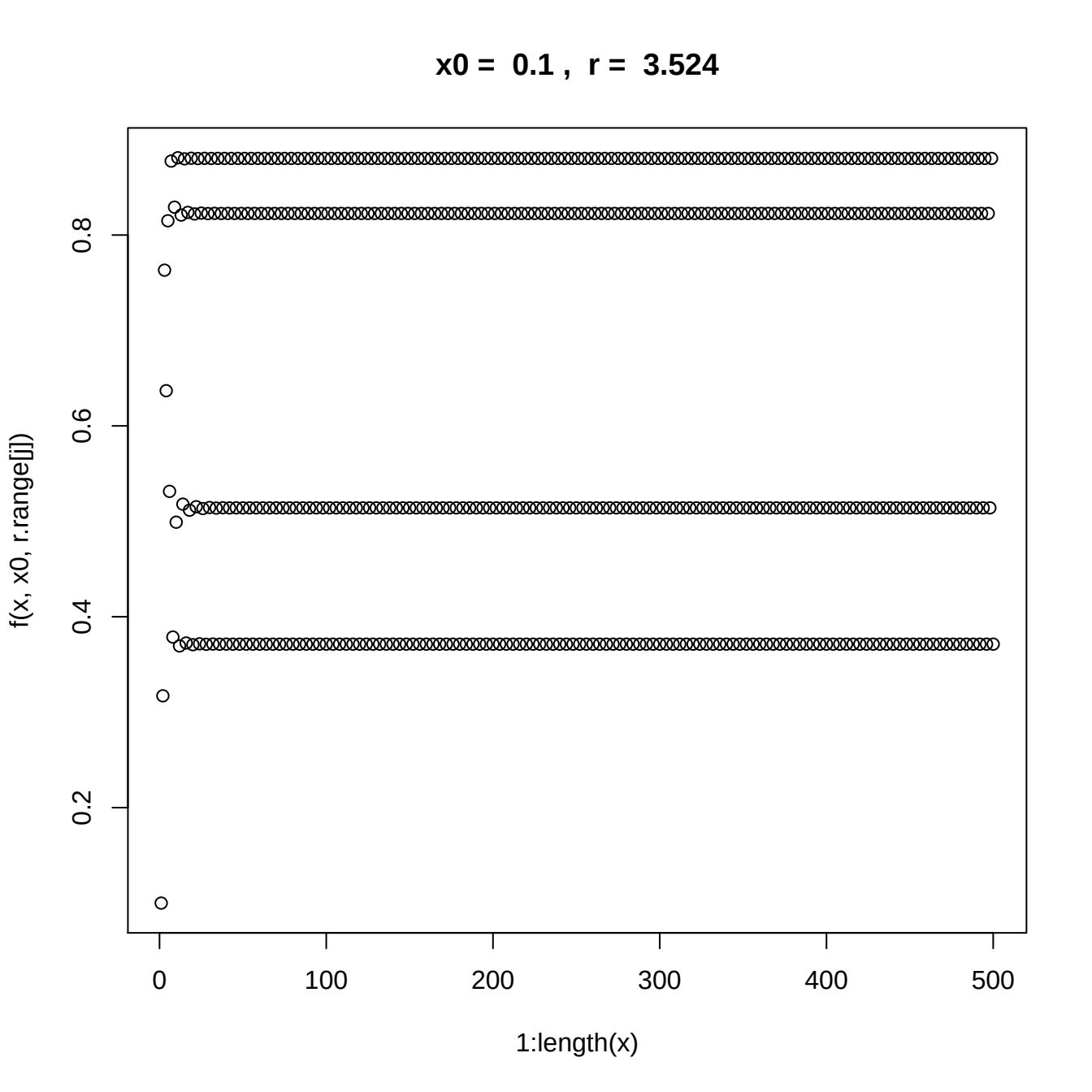

x0 = 0.1 , r = 3.514
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

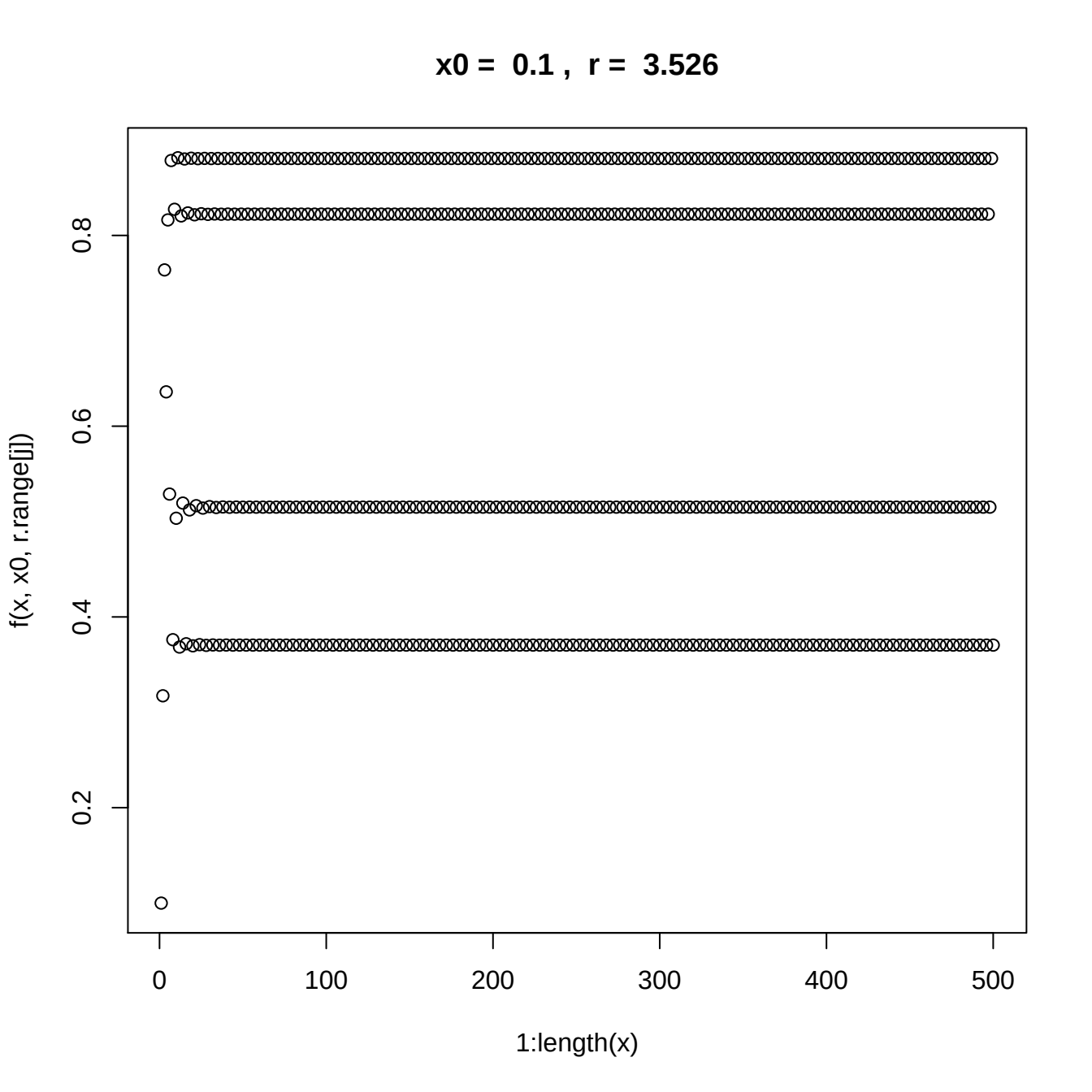

x0 = 0.1 , r = 3.516
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

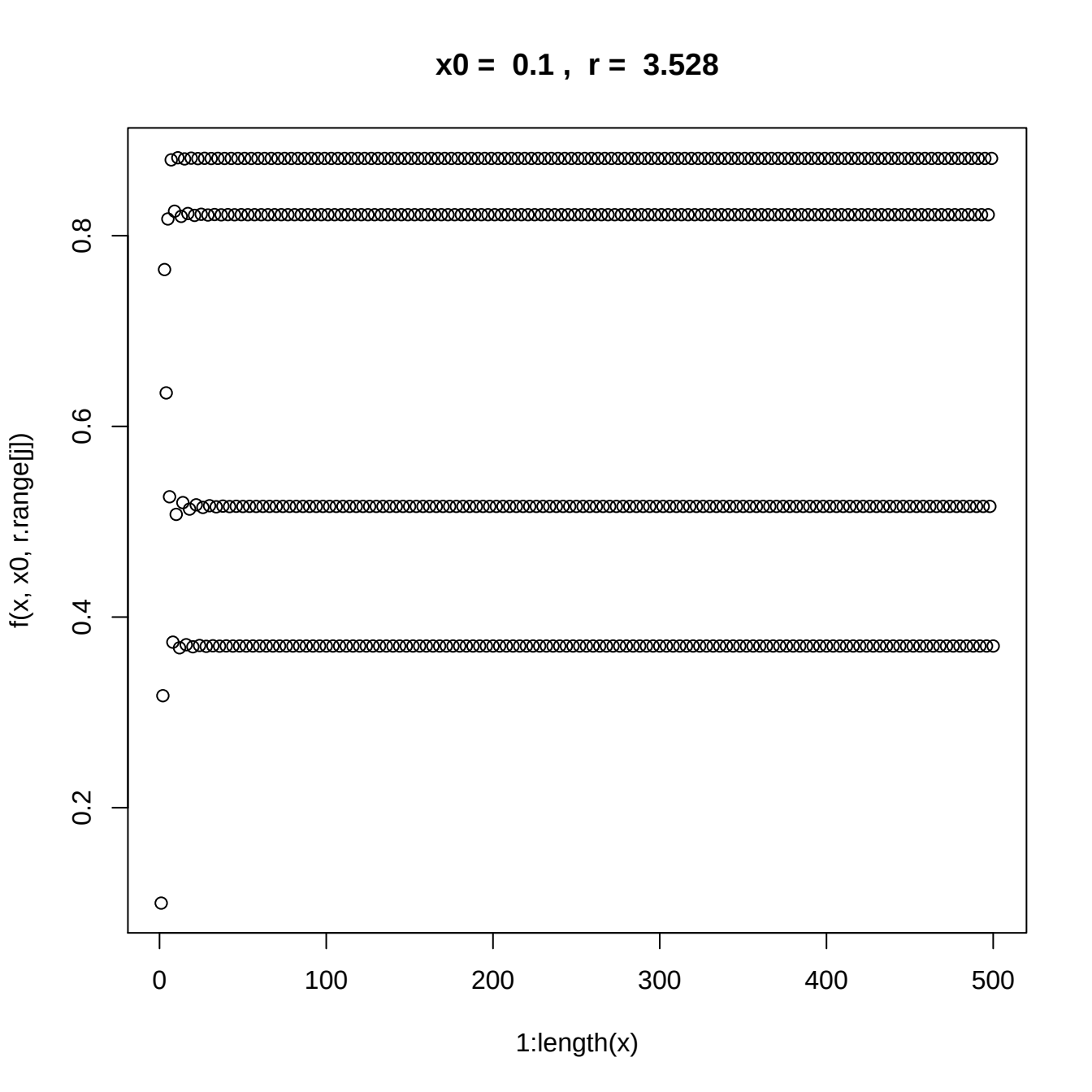

x0 = 0.1 , r = 3.518
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

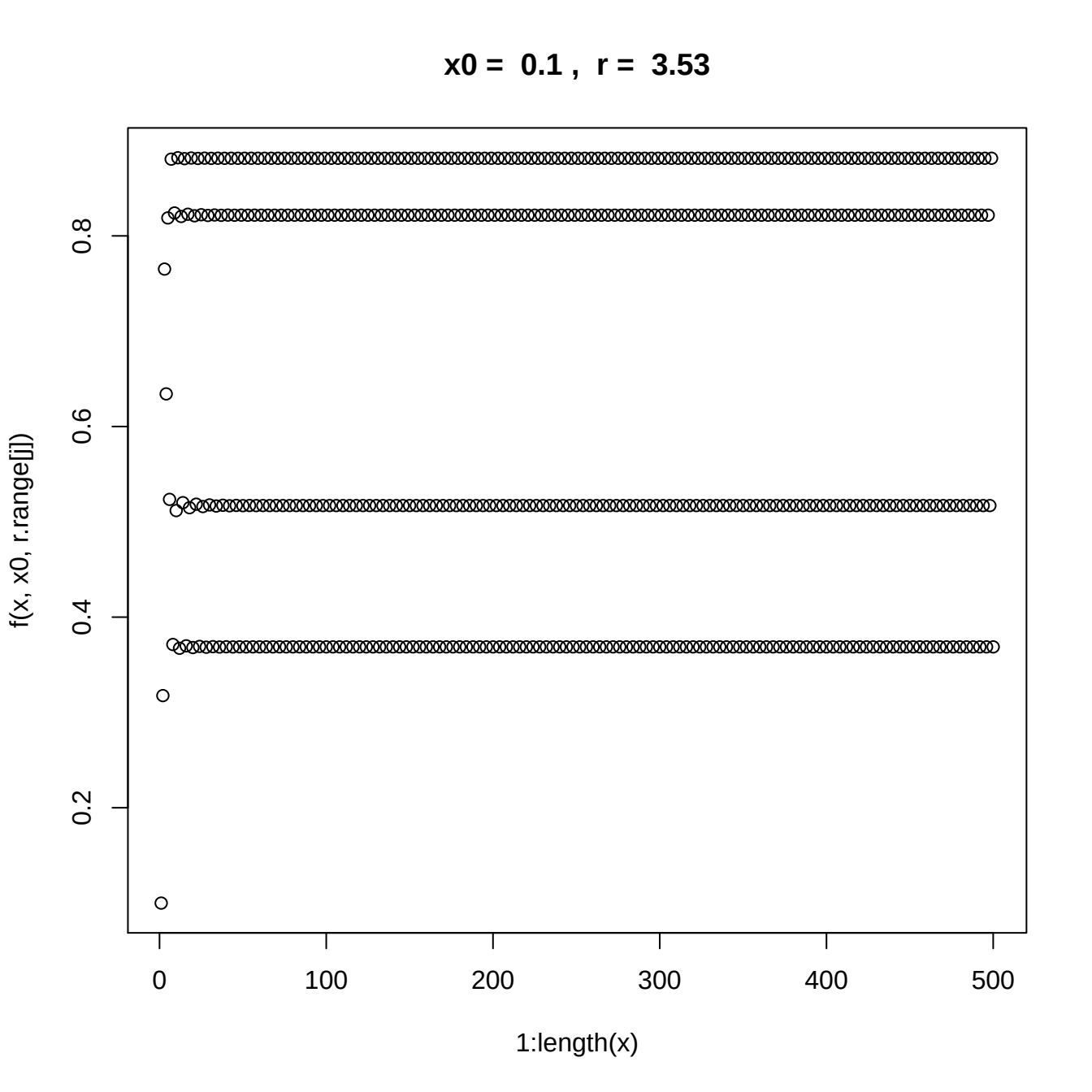

x0 = 0.1 , r = 3.52
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

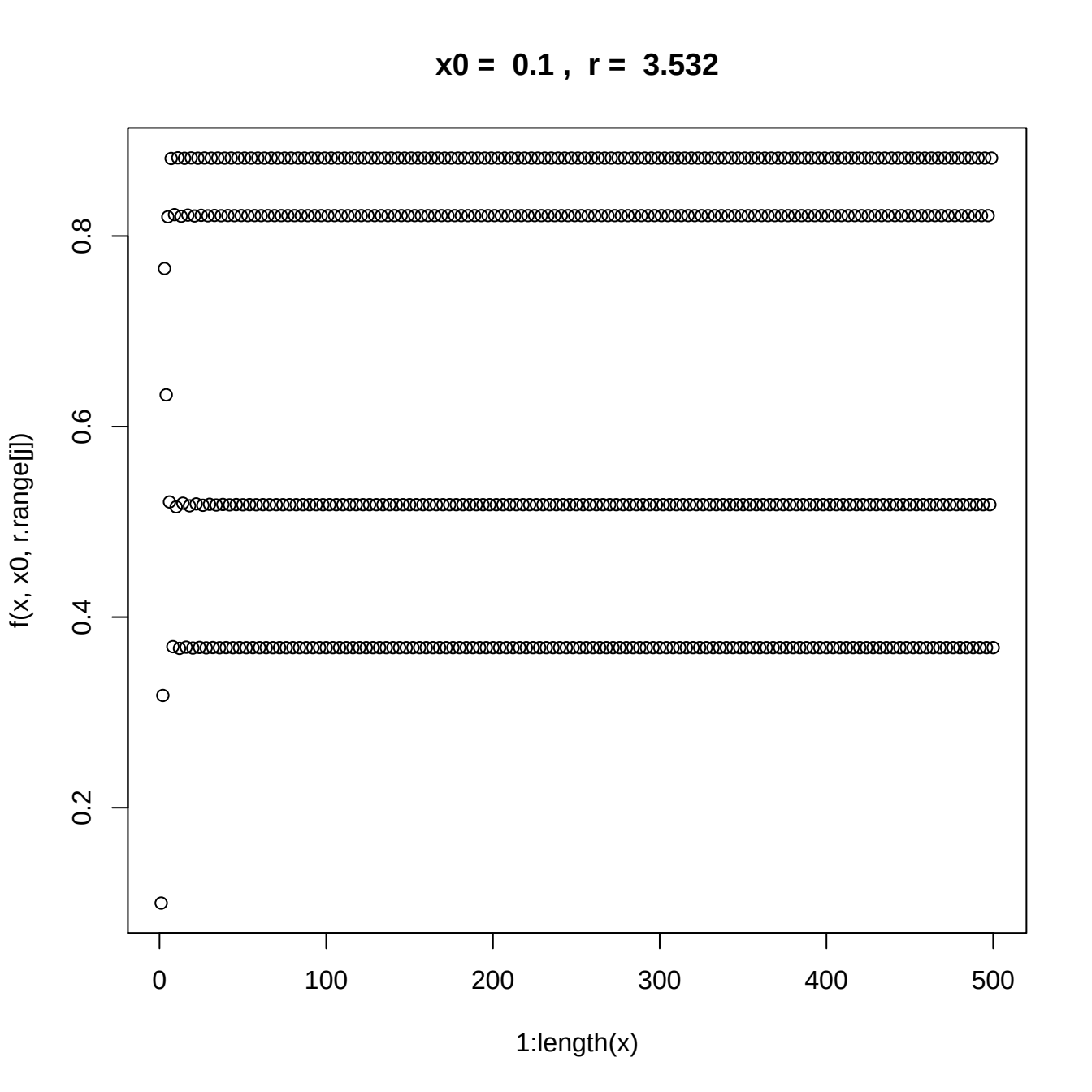

x0 = 0.1 , r = 3.522
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

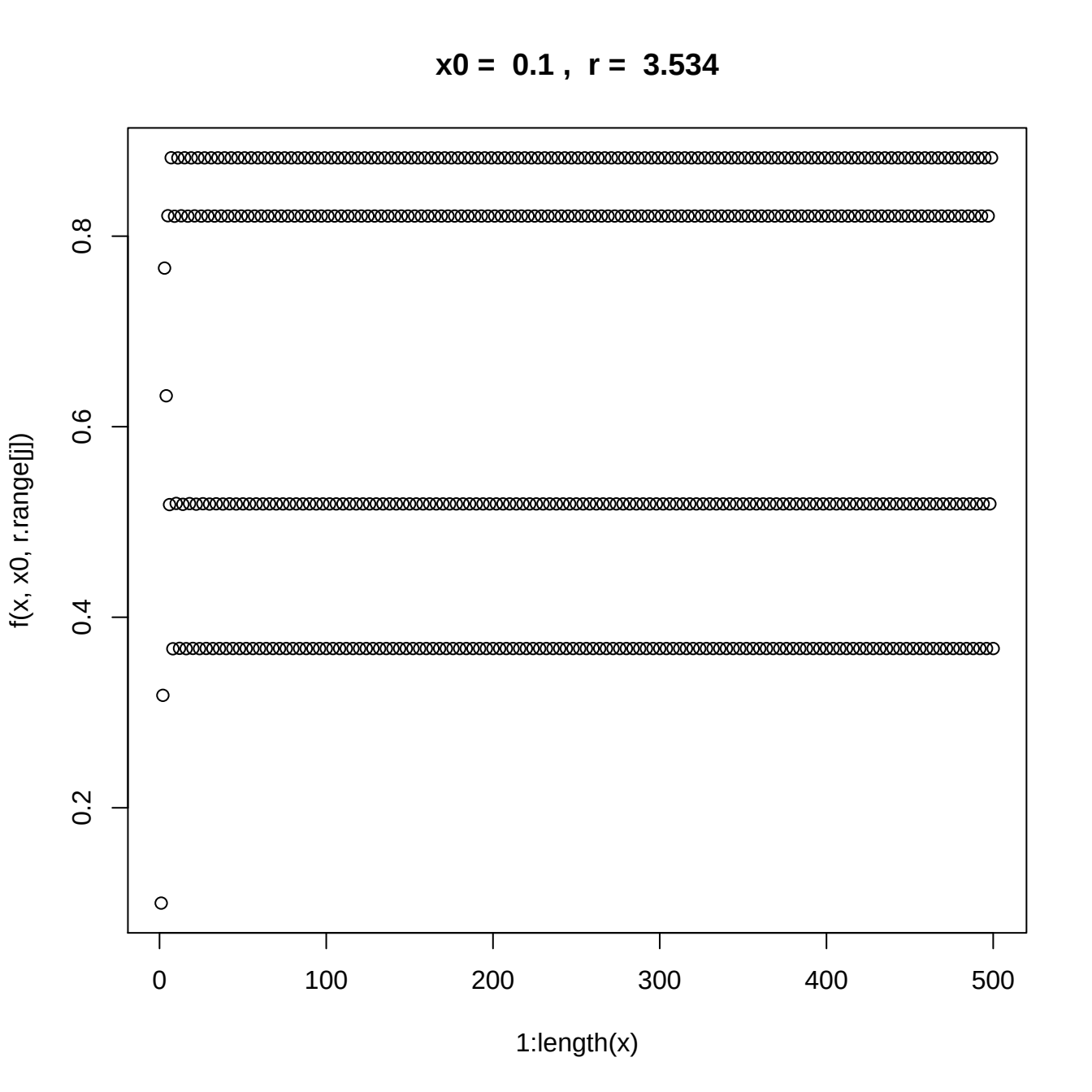

x0 = 0.1 , r = 3.524
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

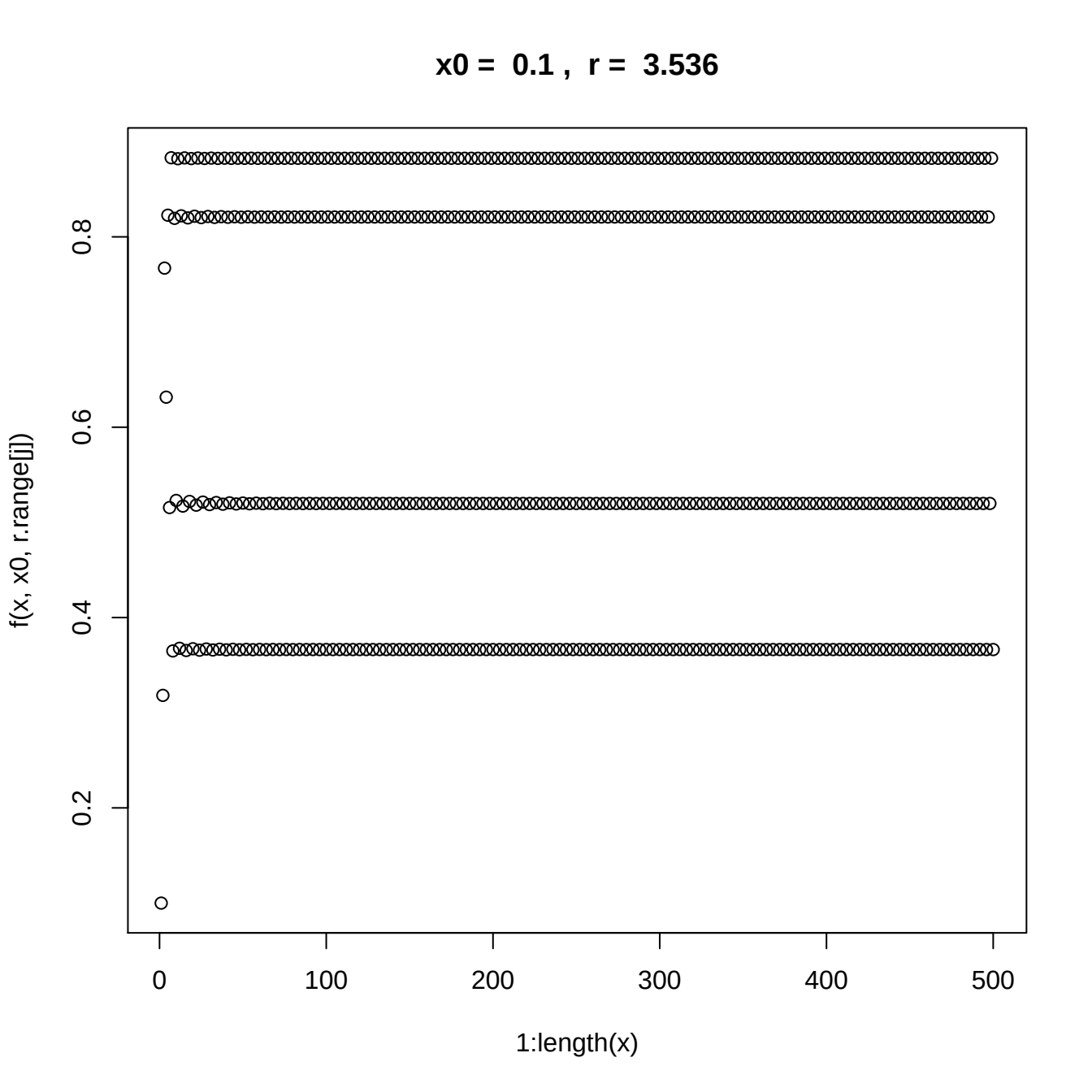

x0 = 0.1 , r = 3.526
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

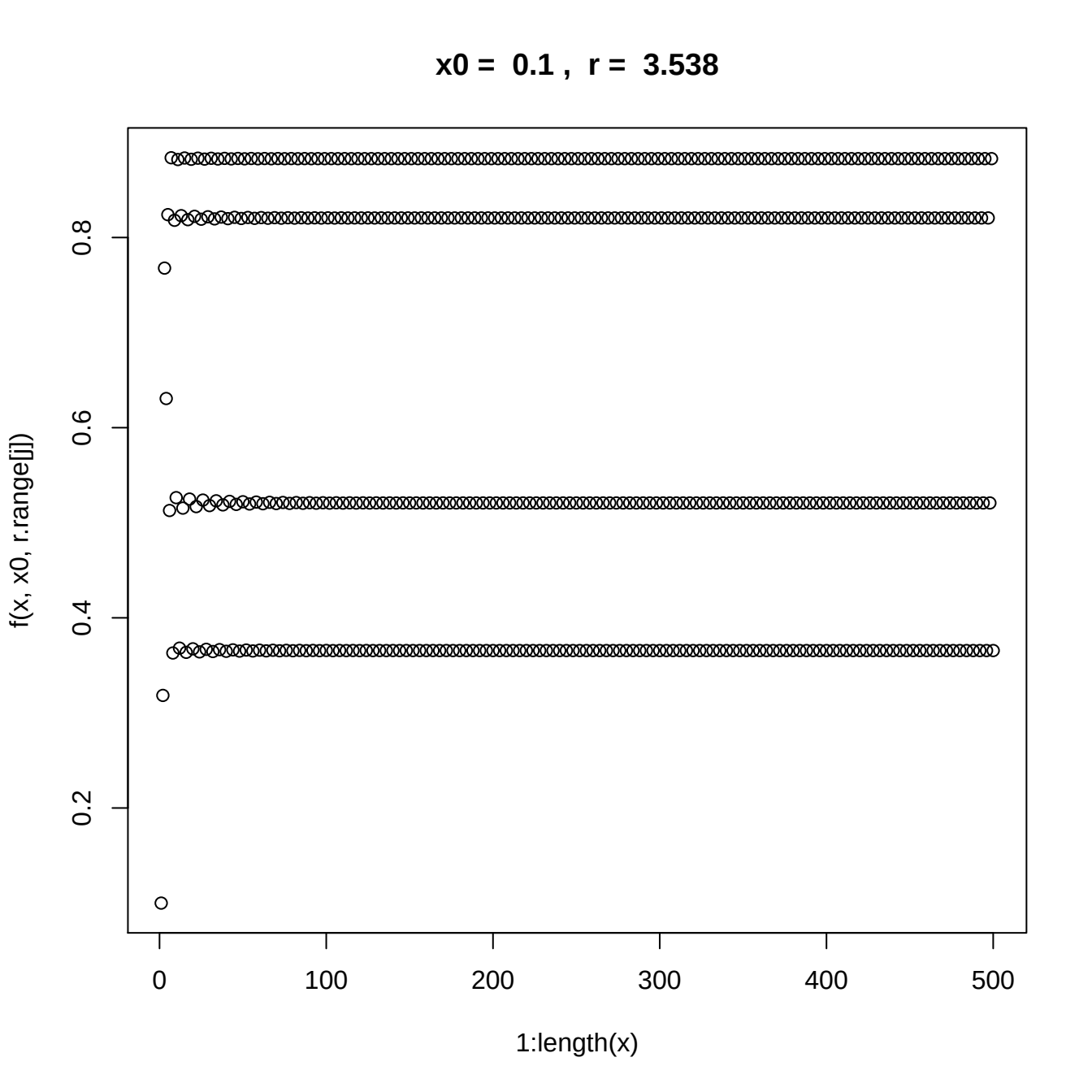

x0 = 0.1 , r = 3.528
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

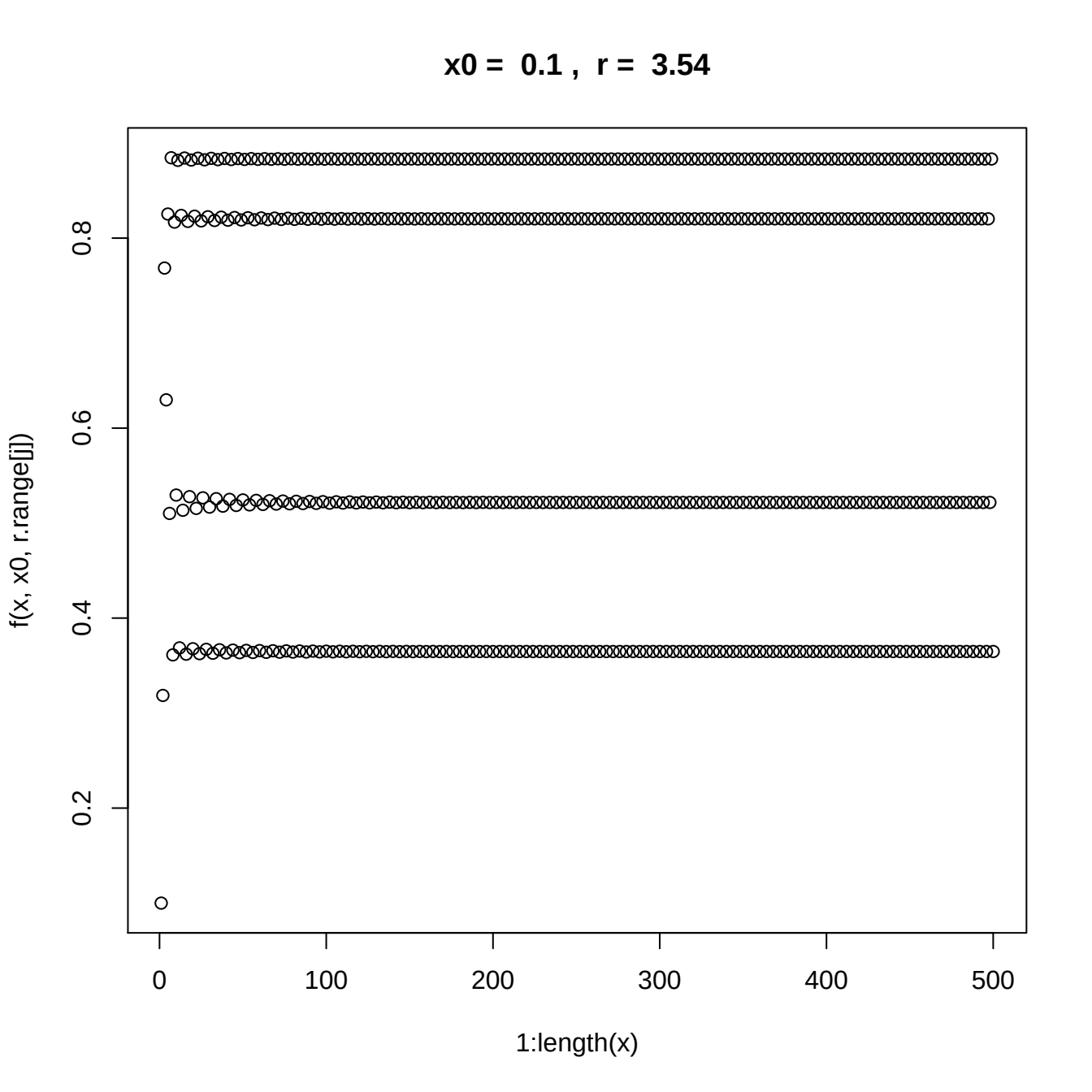

x0 = 0.1 , r = 3.53
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

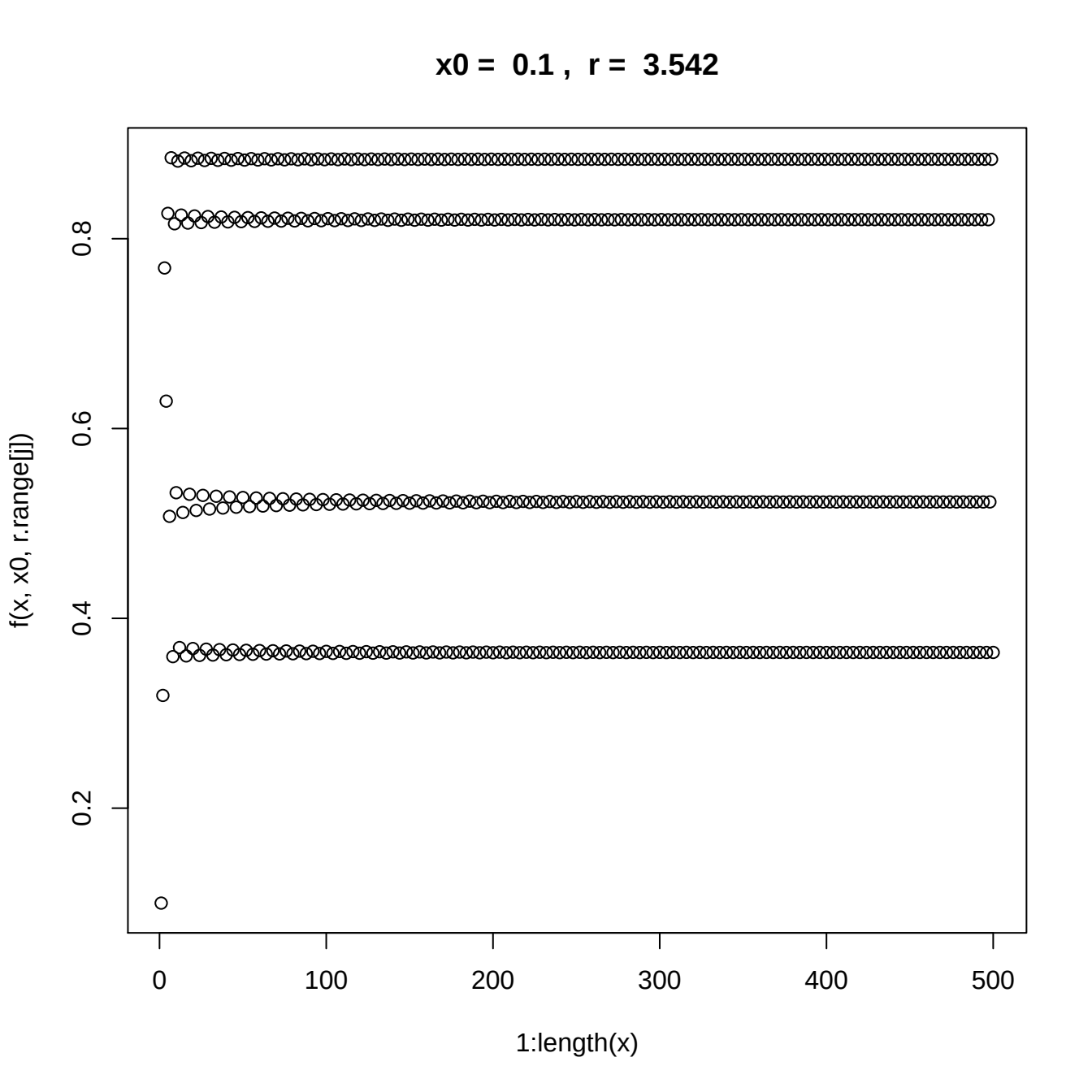

x0 = 0.1 , r = 3.532
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

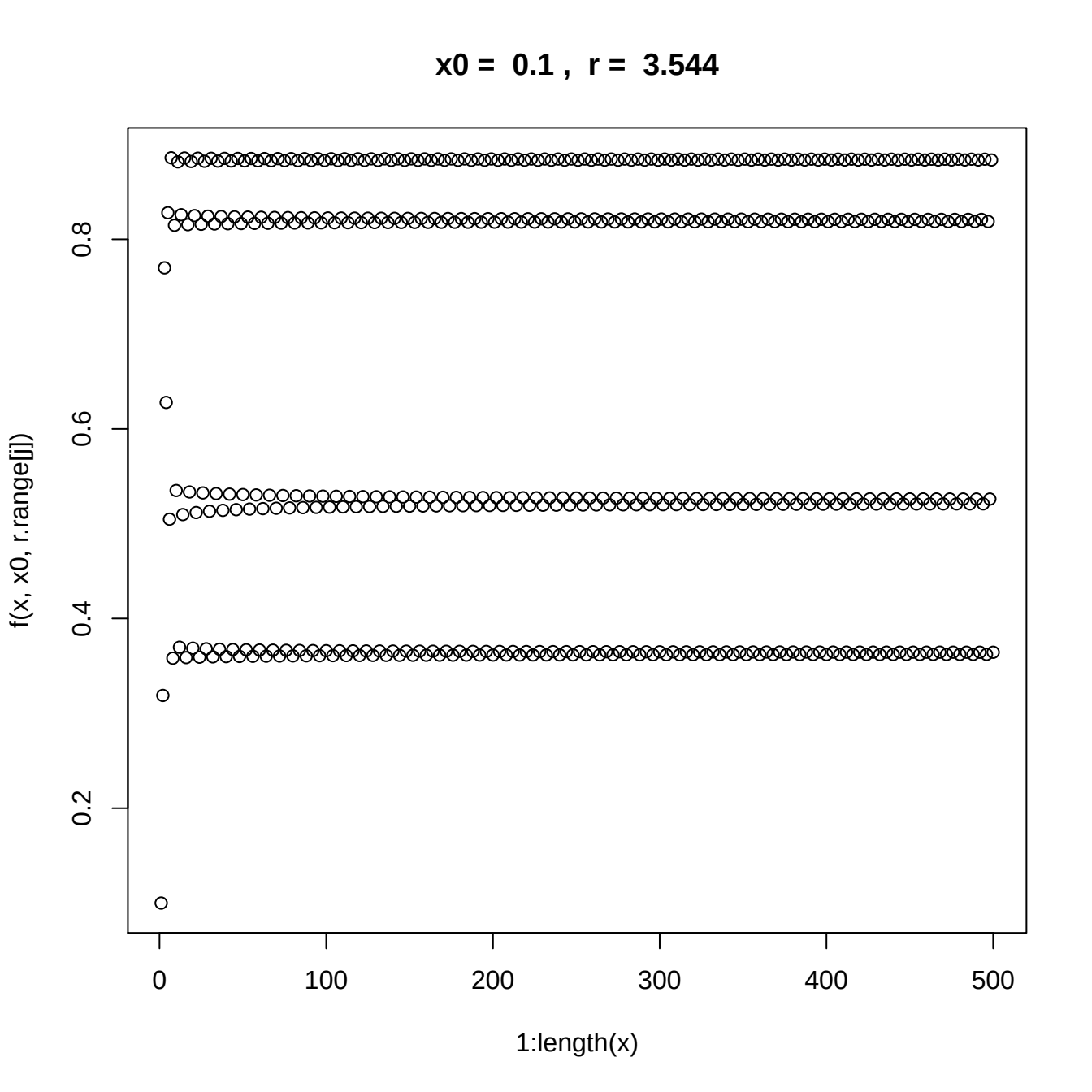

x0 = 0.1 , r = 3.534
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

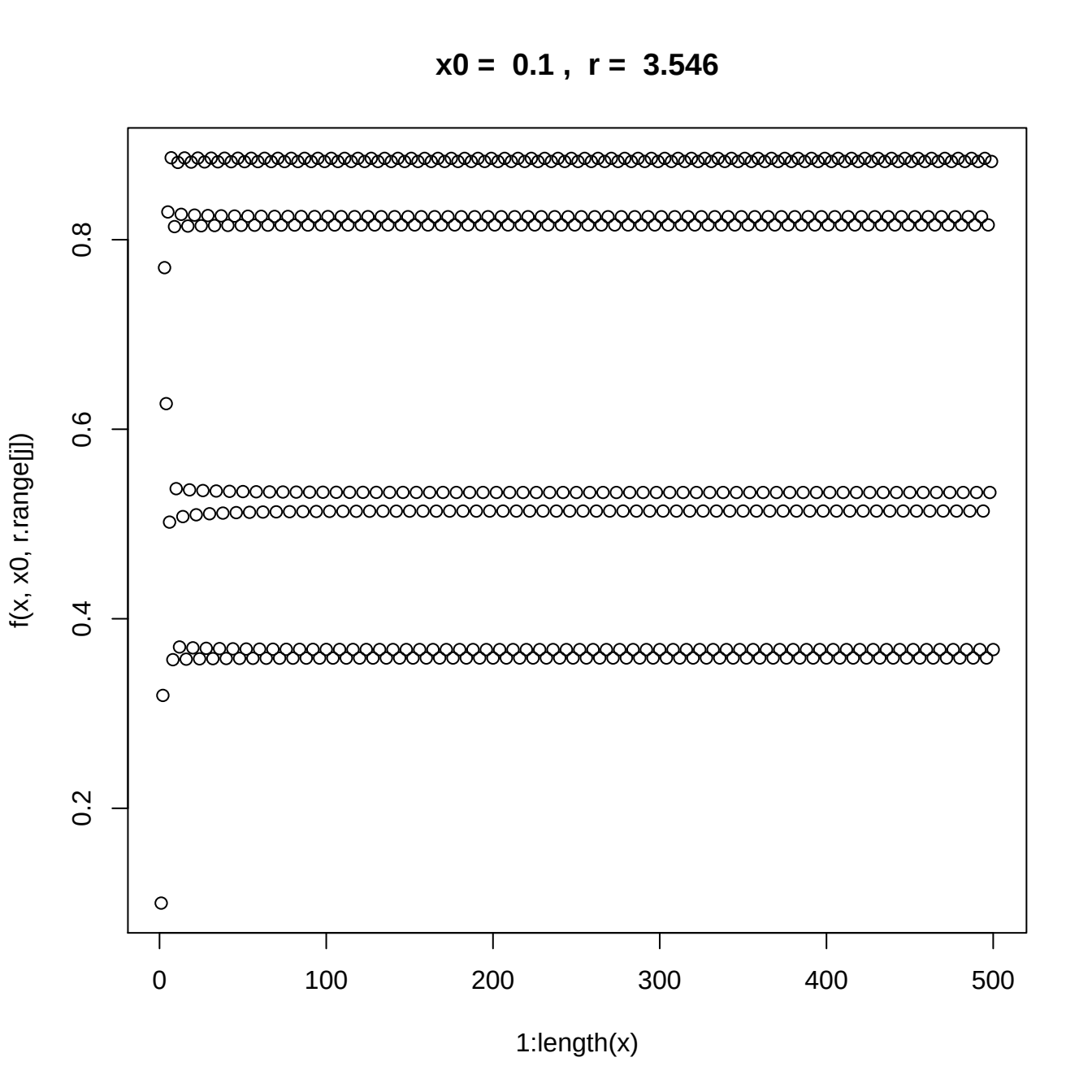

x0 = 0.1 , r = 3.536
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

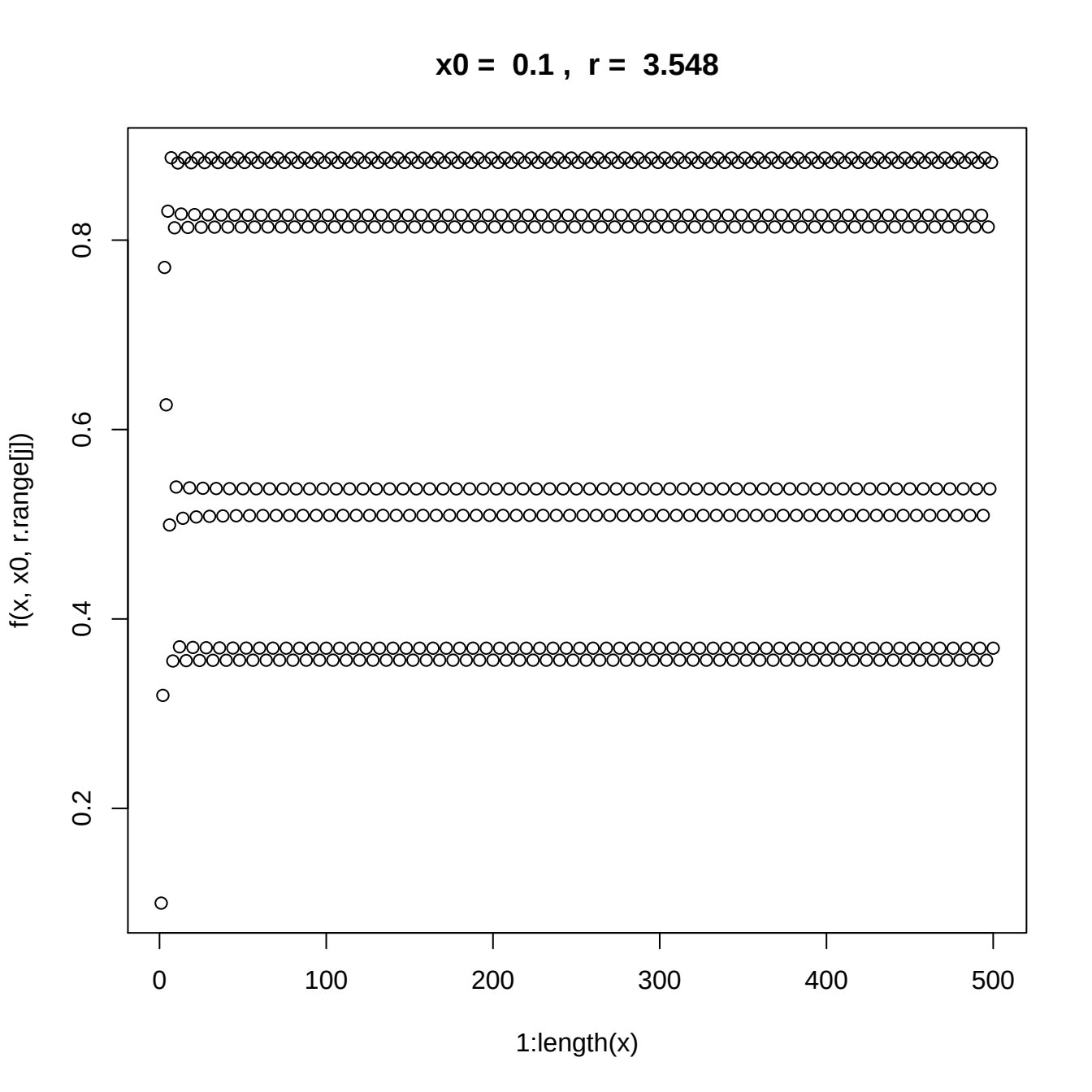

x0 = 0.1 , r = 3.538
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

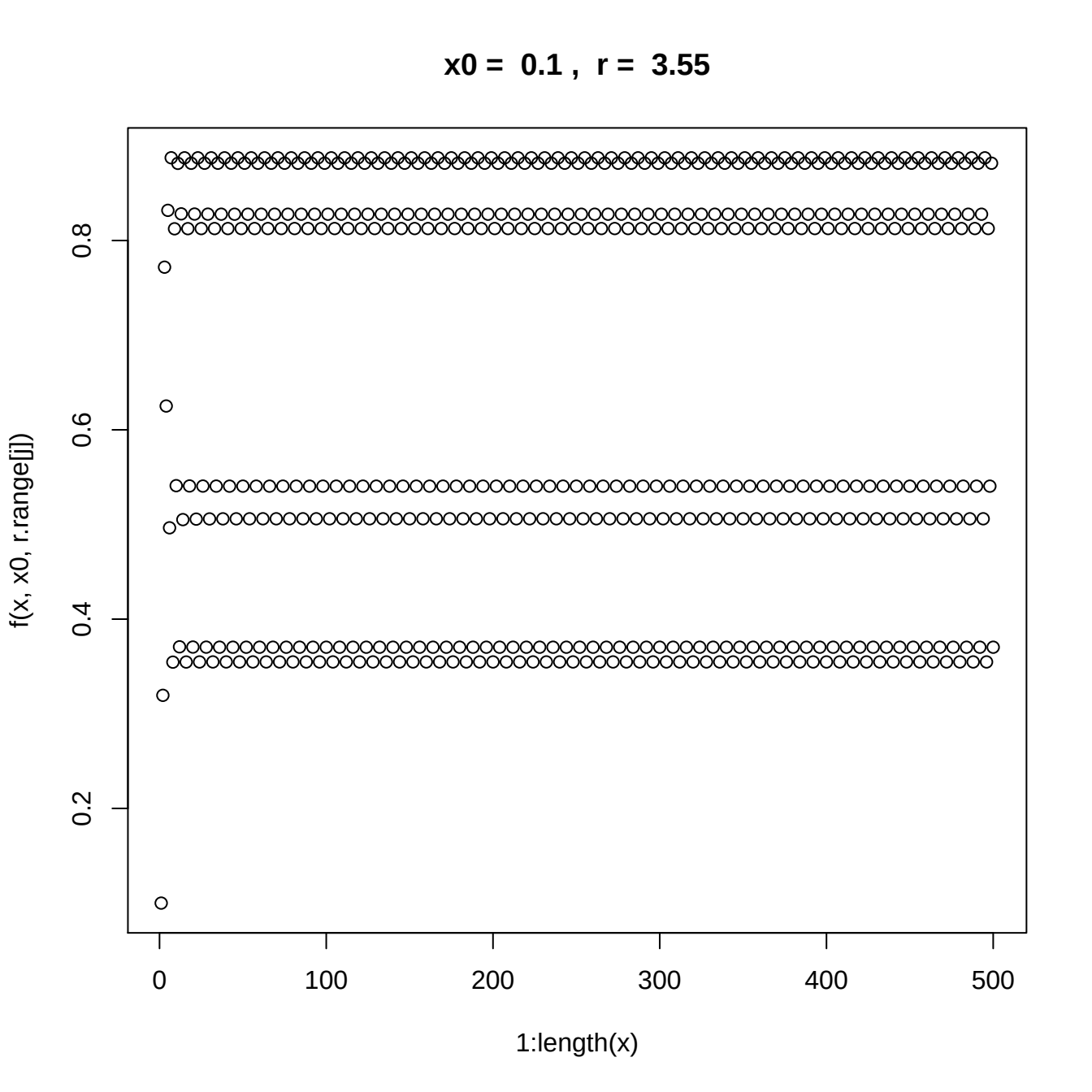

x0 = 0.1 , r = 3.54
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

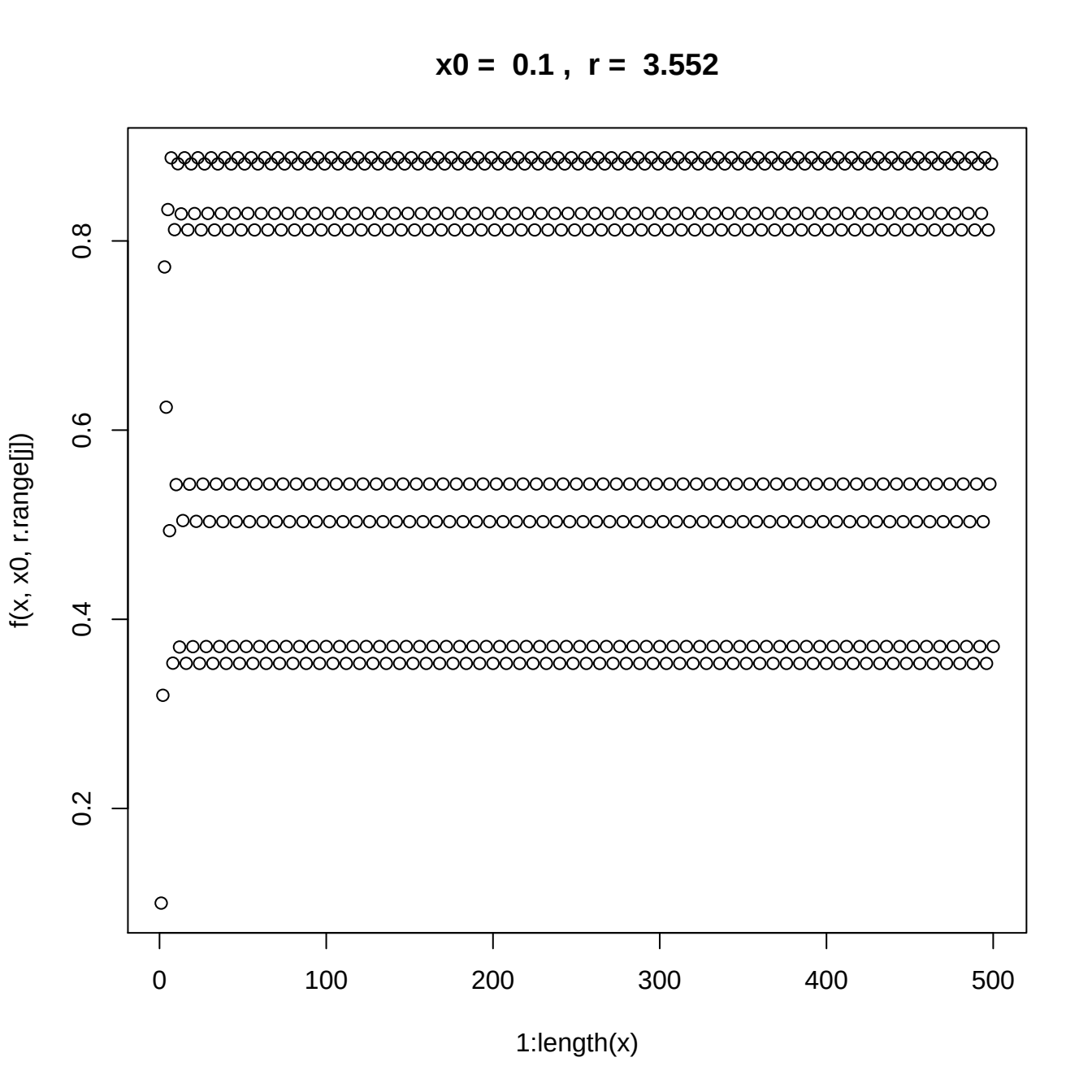

x0 = 0.1 , r = 3.542
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

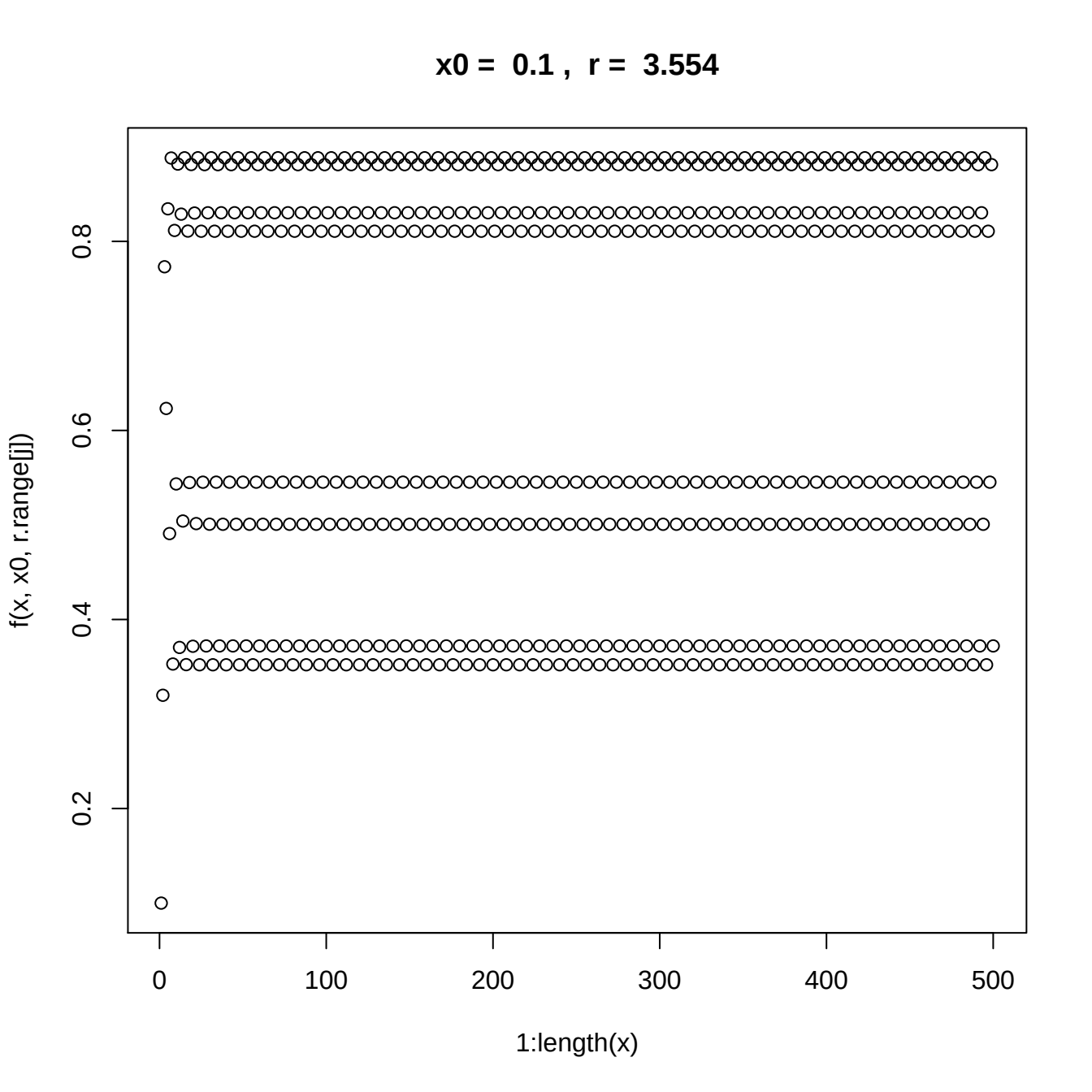

x0 = 0.1 , r = 3.544
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

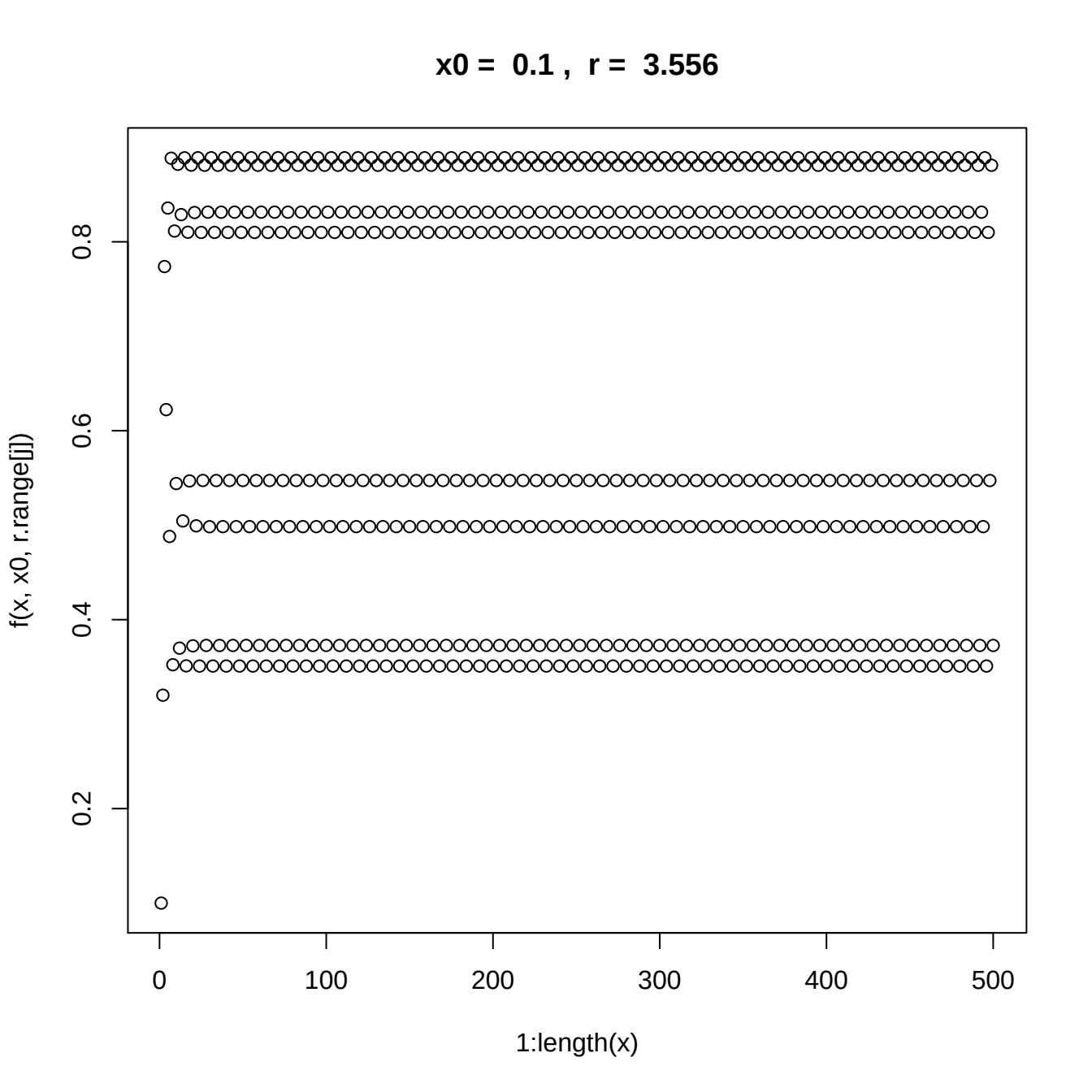

x0 = 0.1 , r = 3.546
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

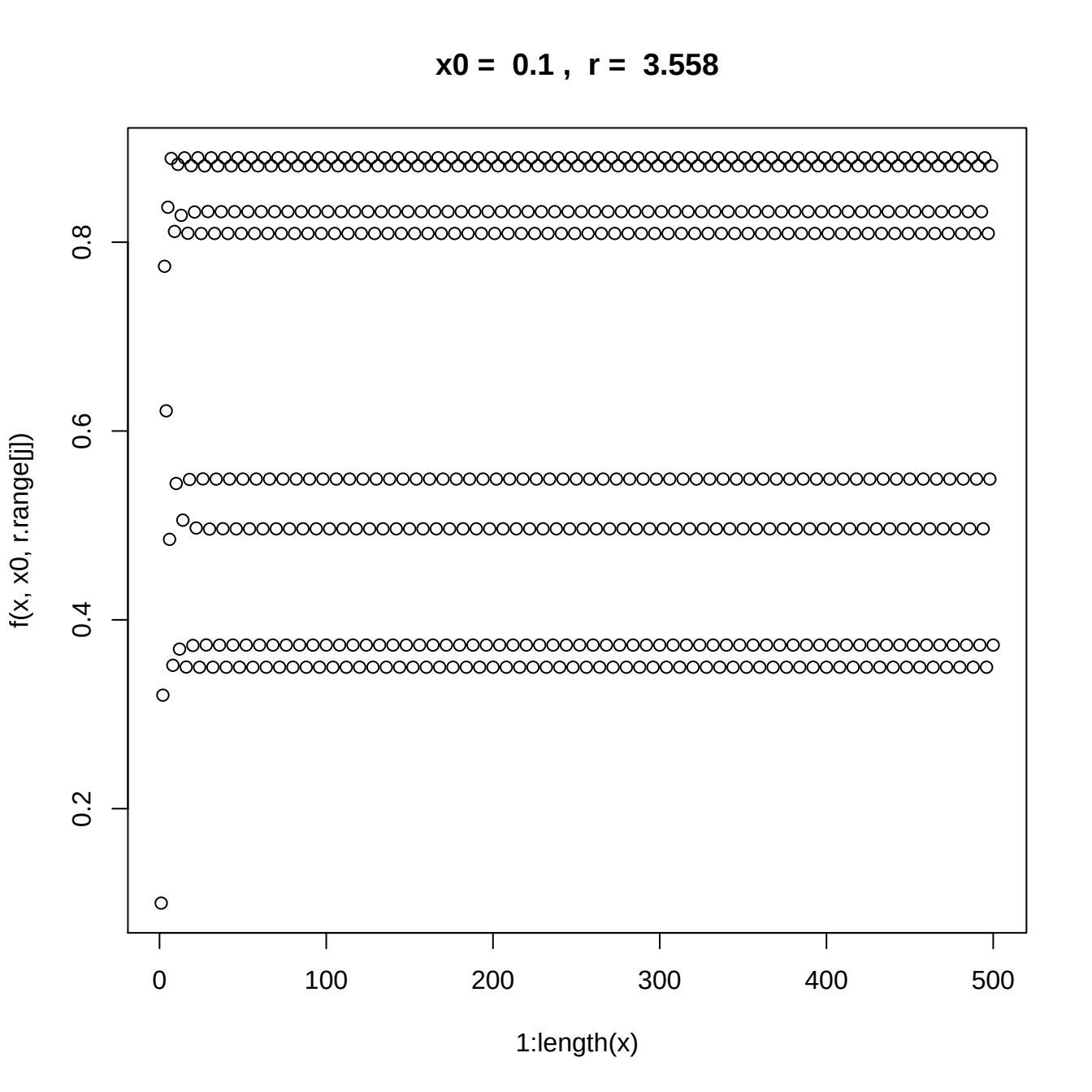

x0 = 0.1 , r = 3.548
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

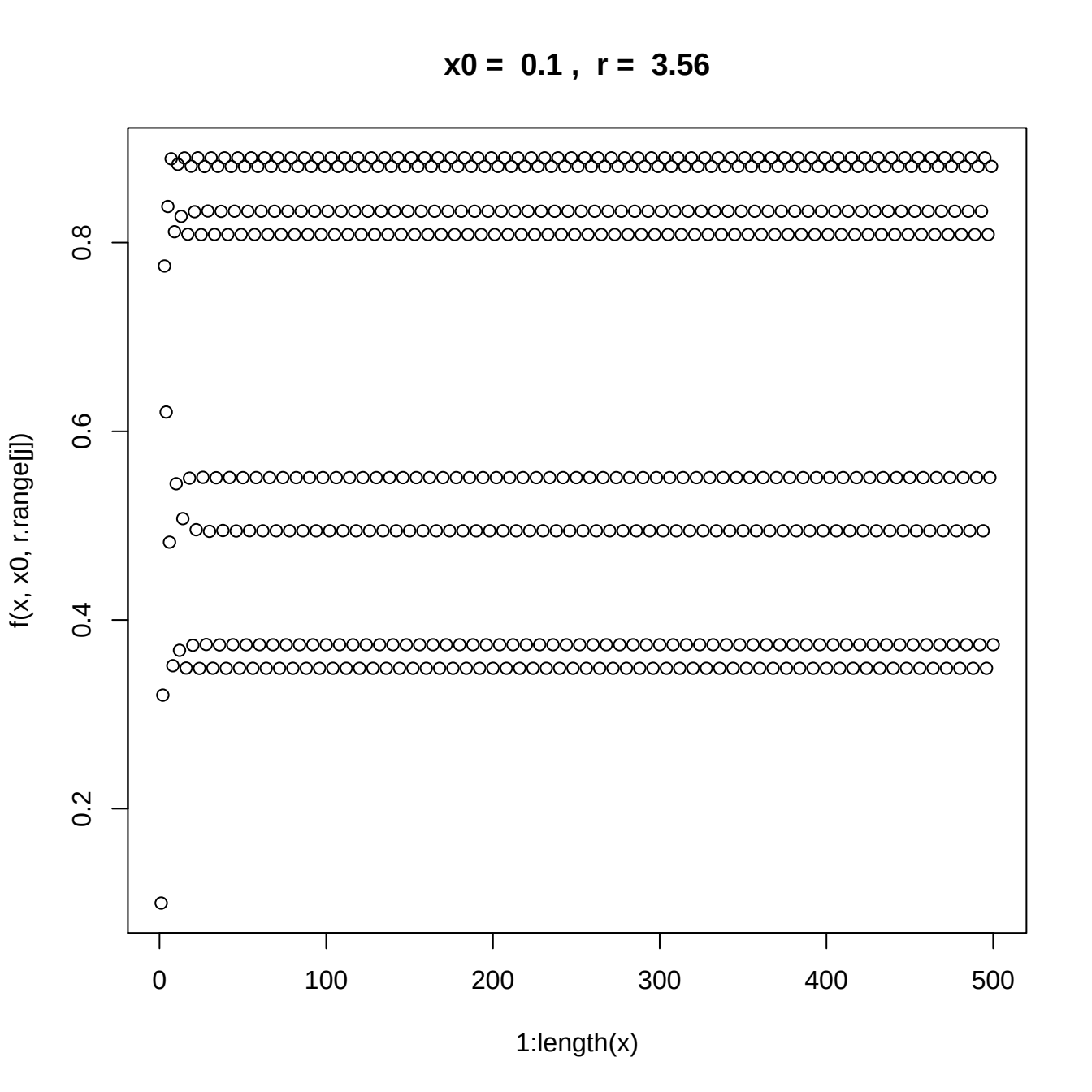

x0 = 0.1 , r = 3.55
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

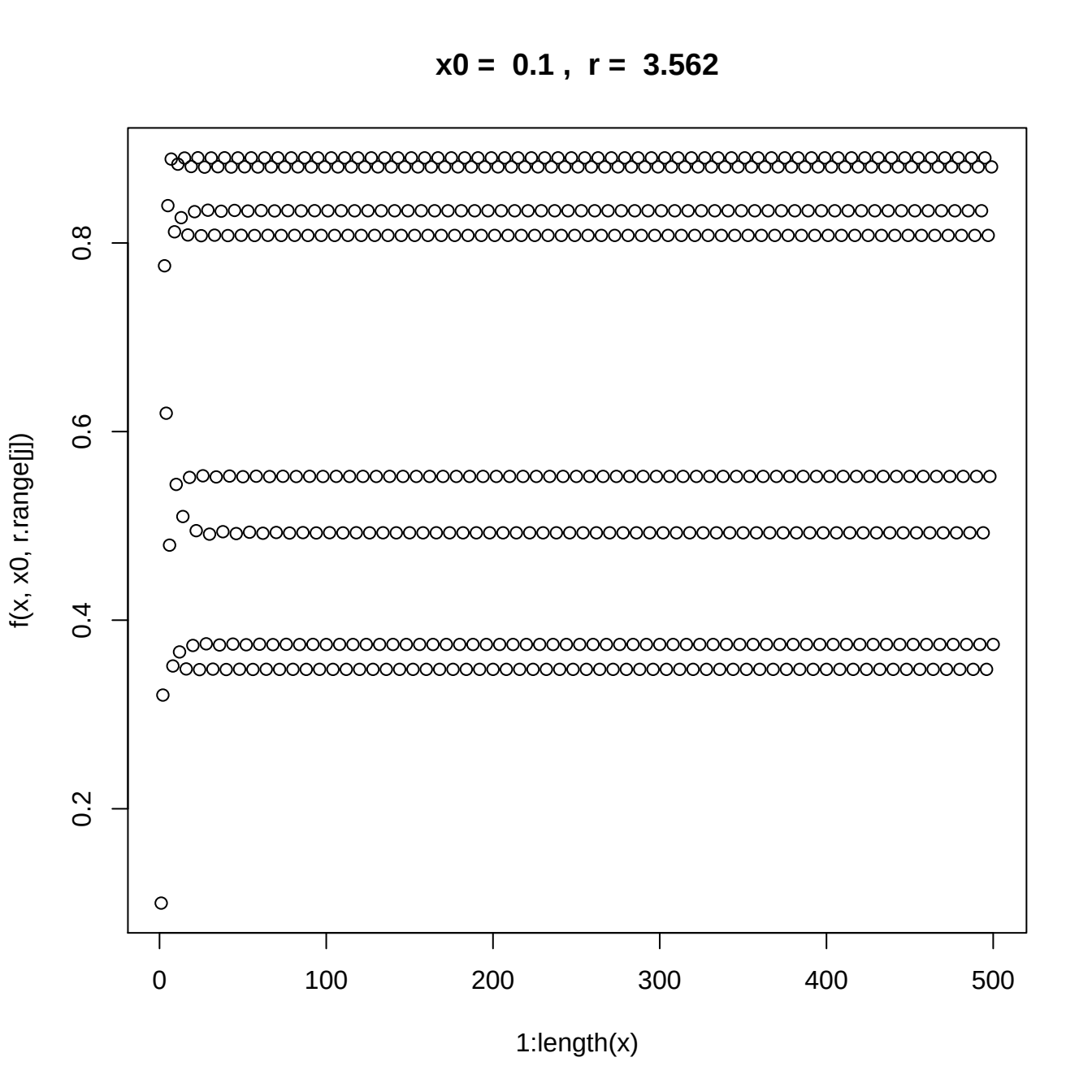

x0 = 0.1 , r = 3.552
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

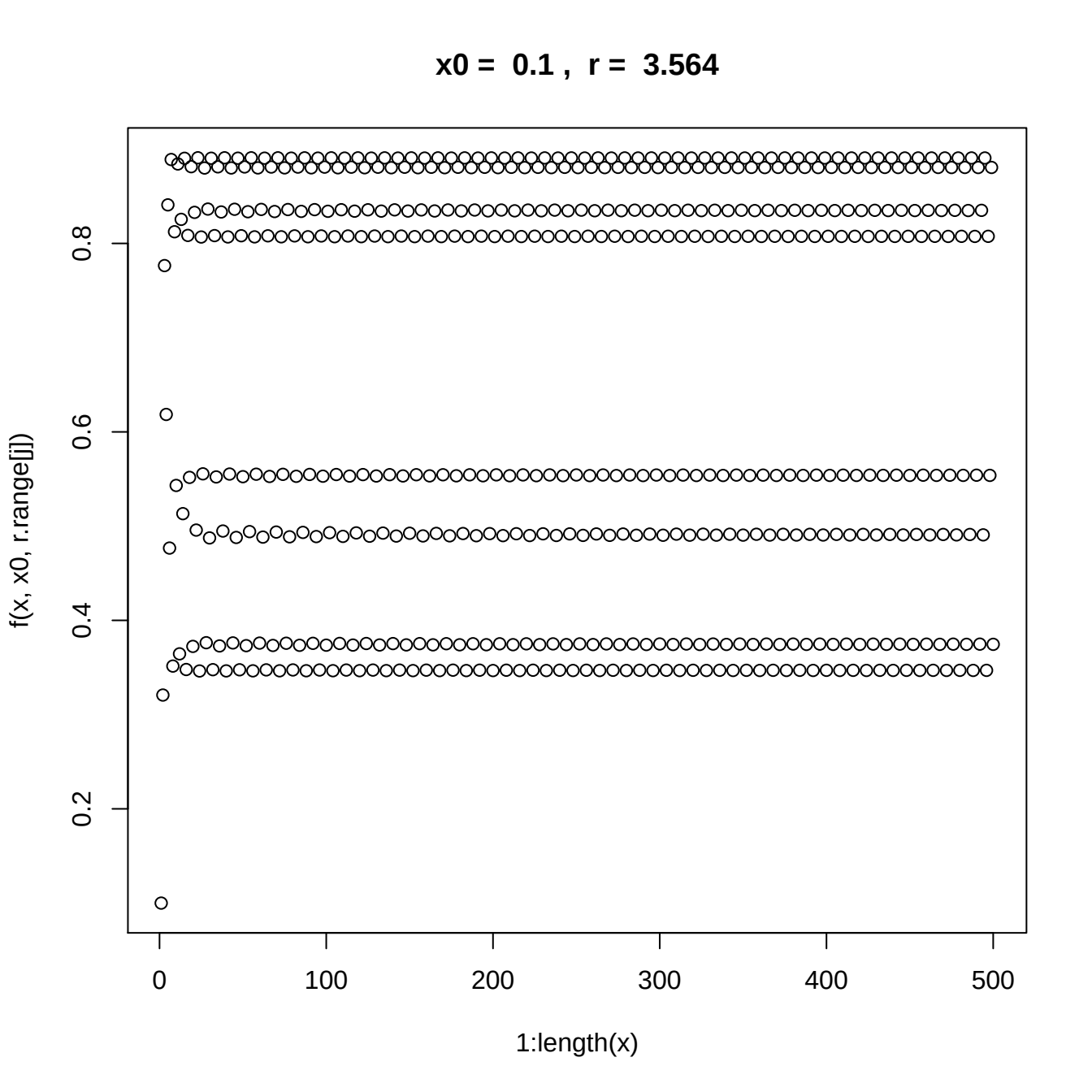

x0 = 0.1 , r = 3.554
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

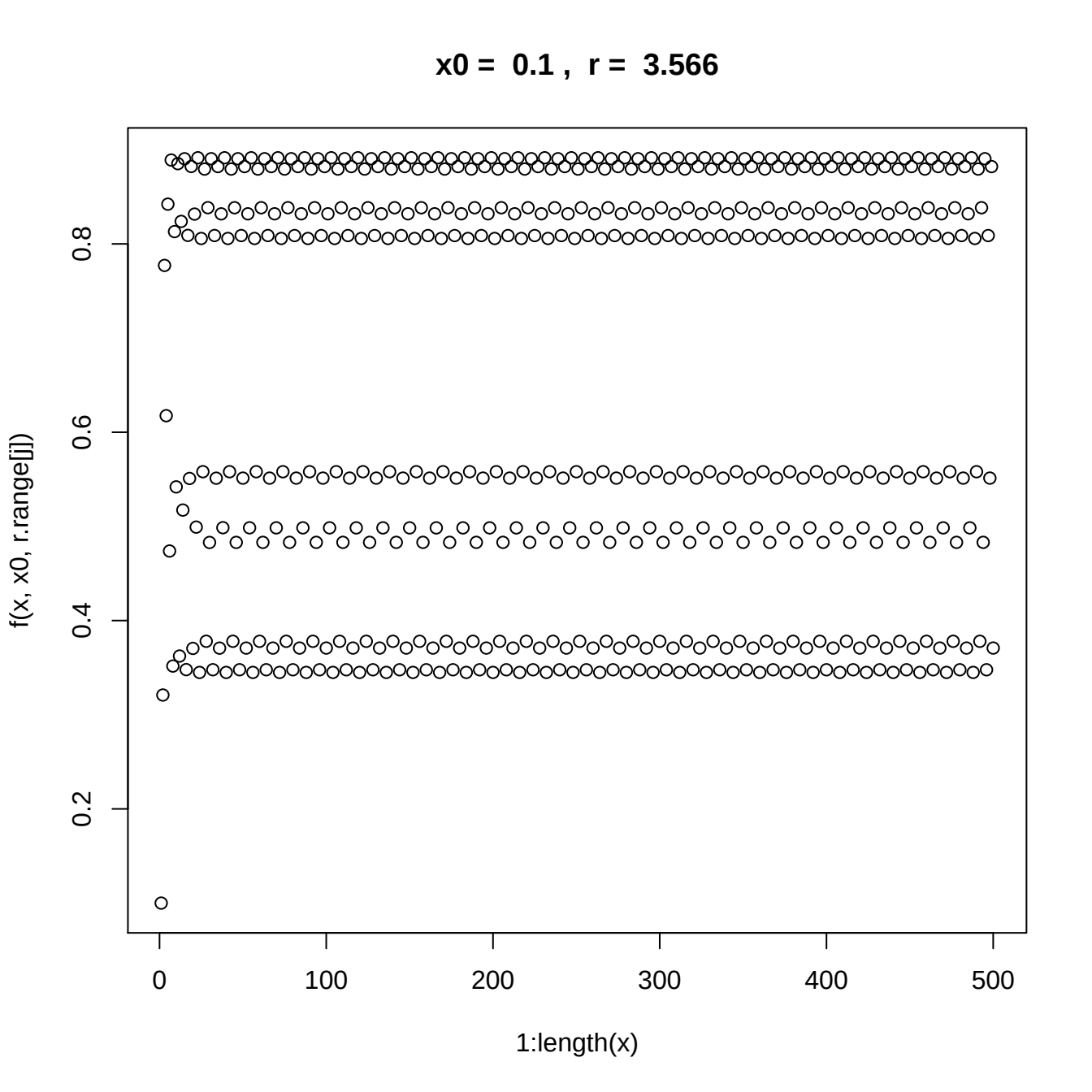

x0 = 0.1 , r = 3.556
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

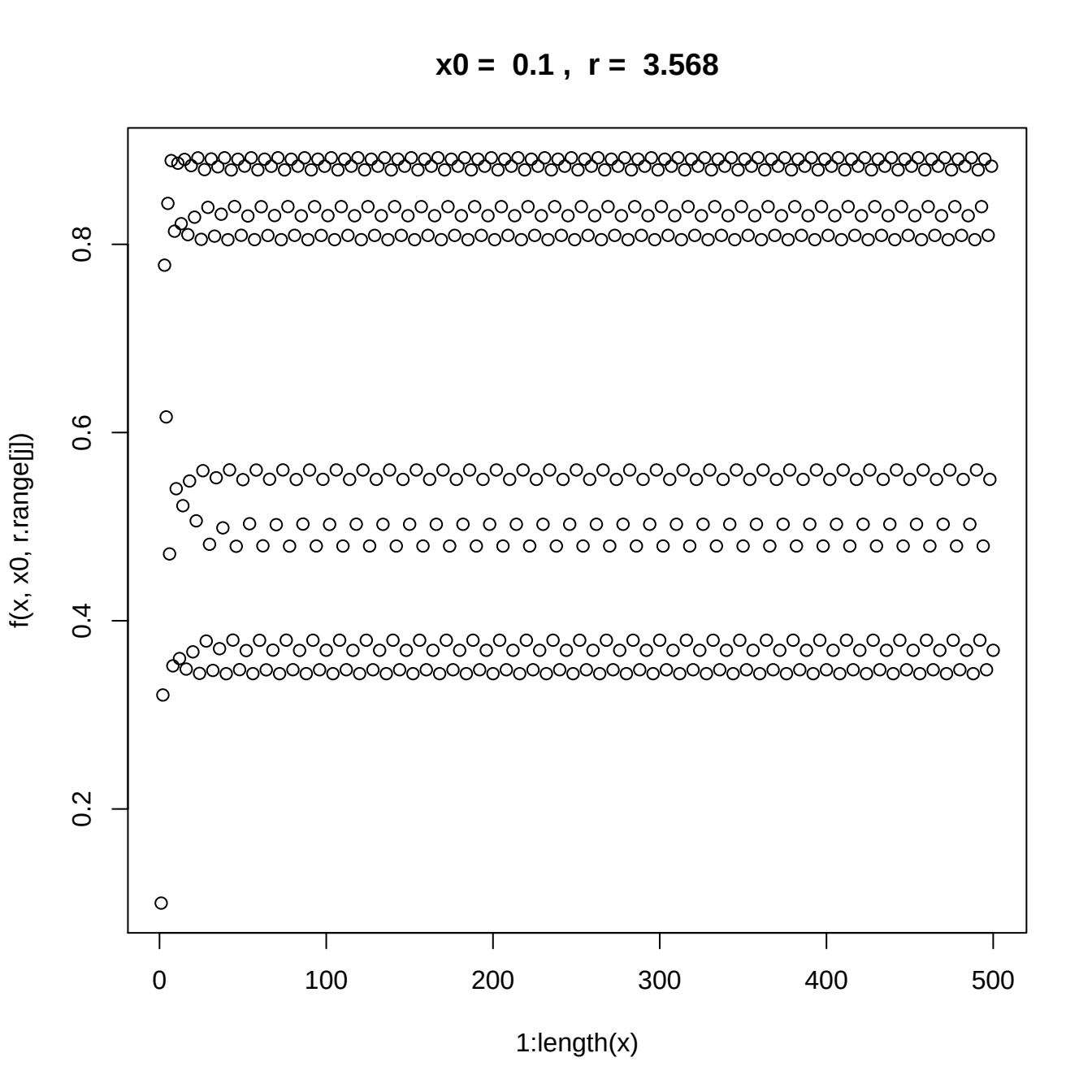

x0 = 0.1 , r = 3.558
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

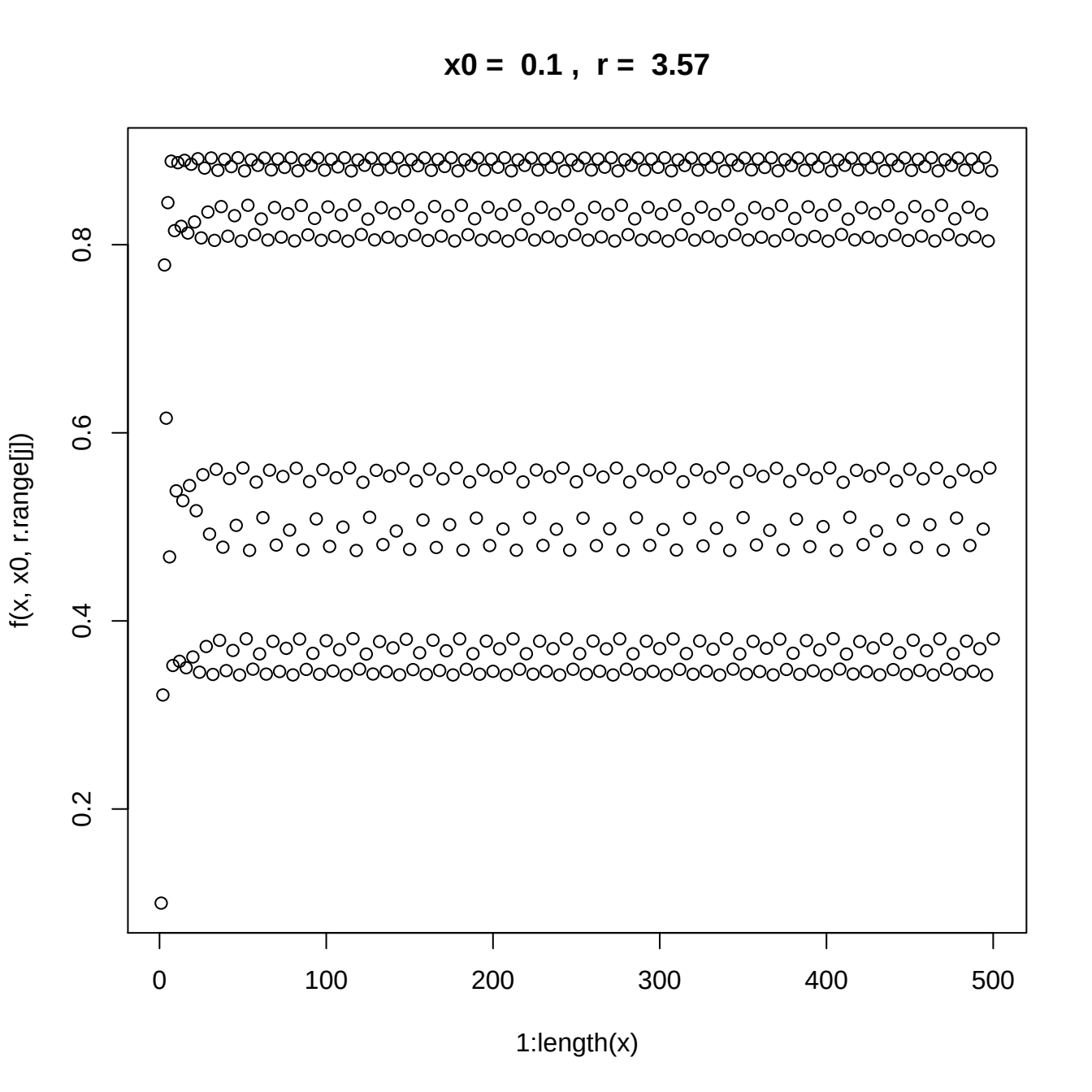

x0 = 0.1 , r = 3.56
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

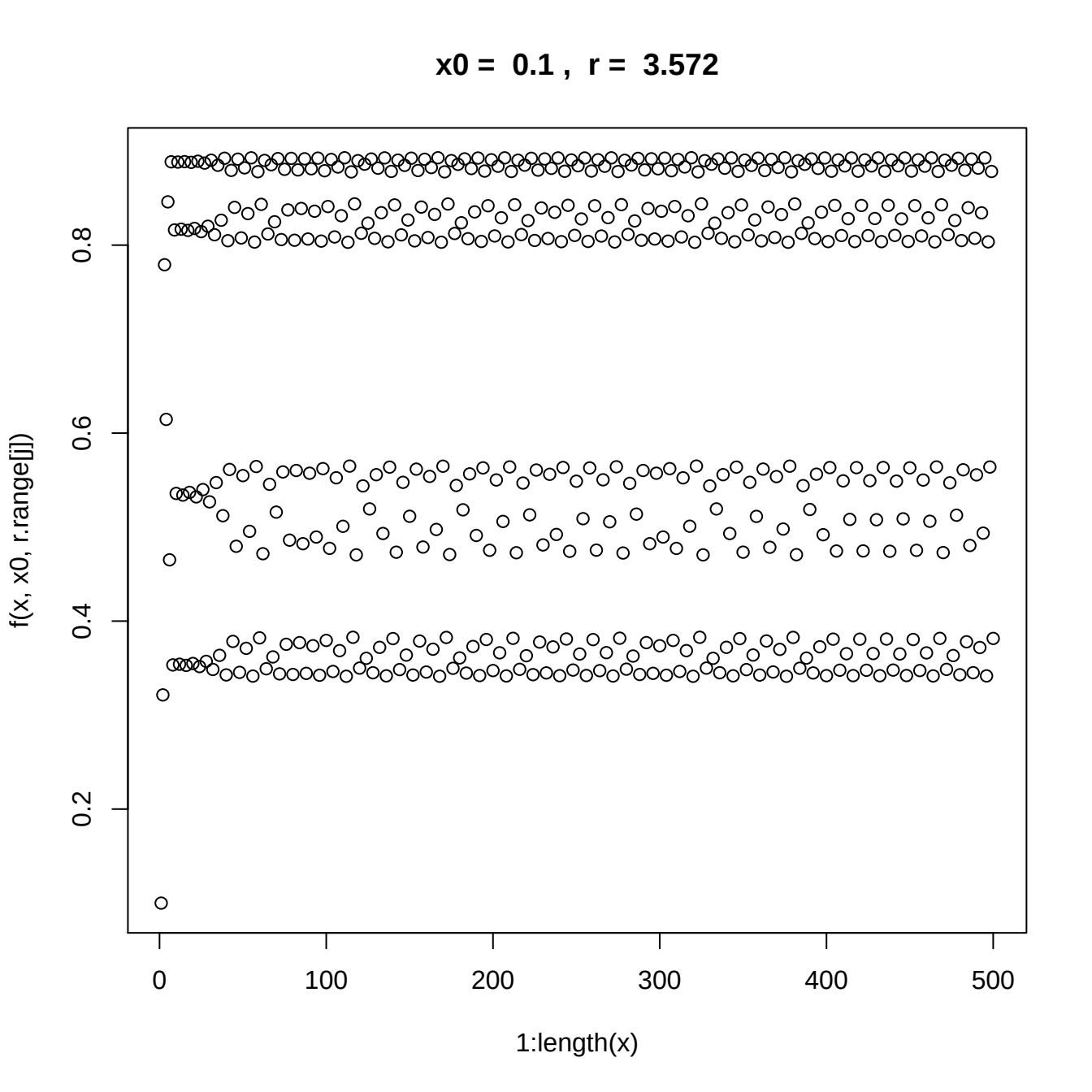

x0 = 0.1 , r = 3.562
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

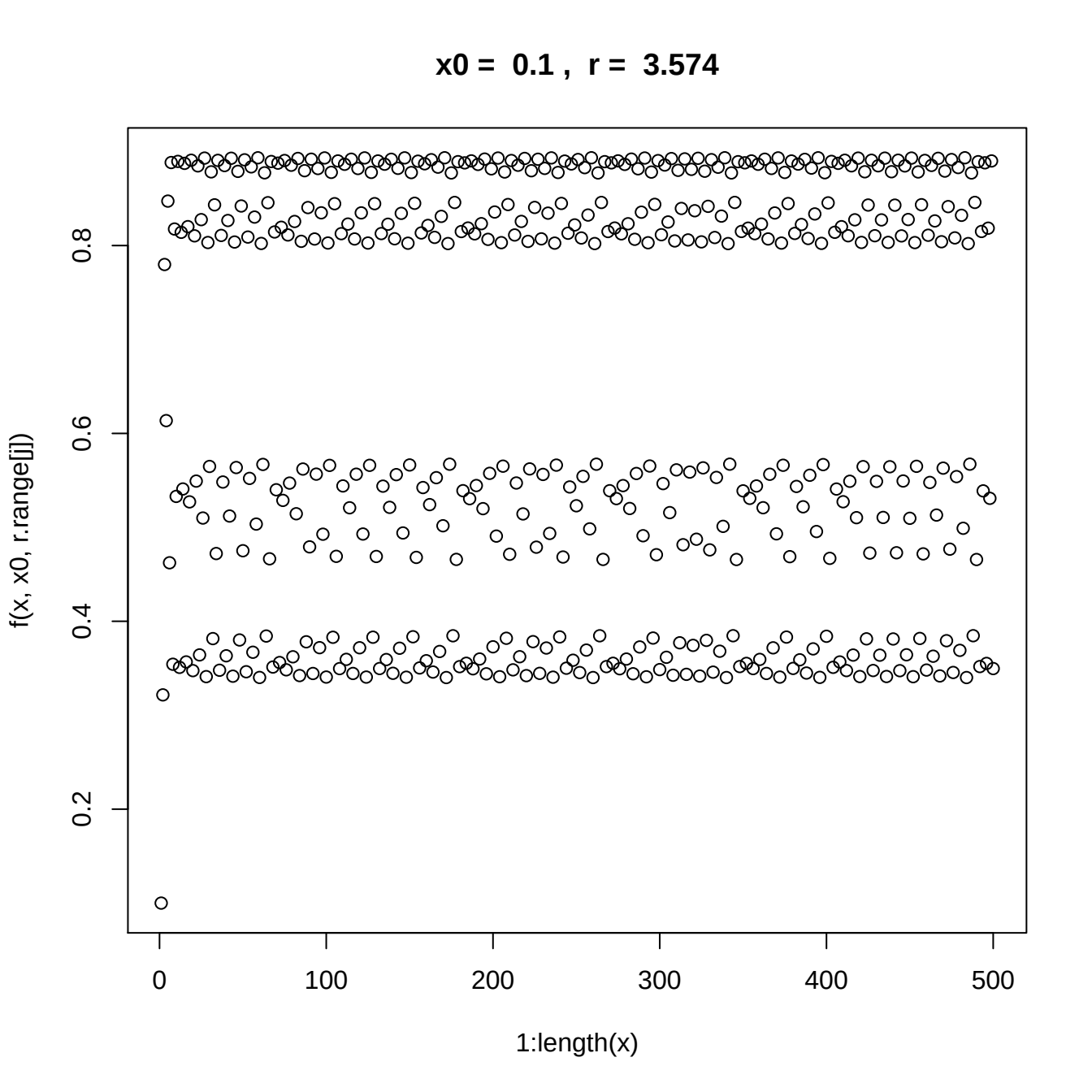

x0 = 0.1 , r = 3.564
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

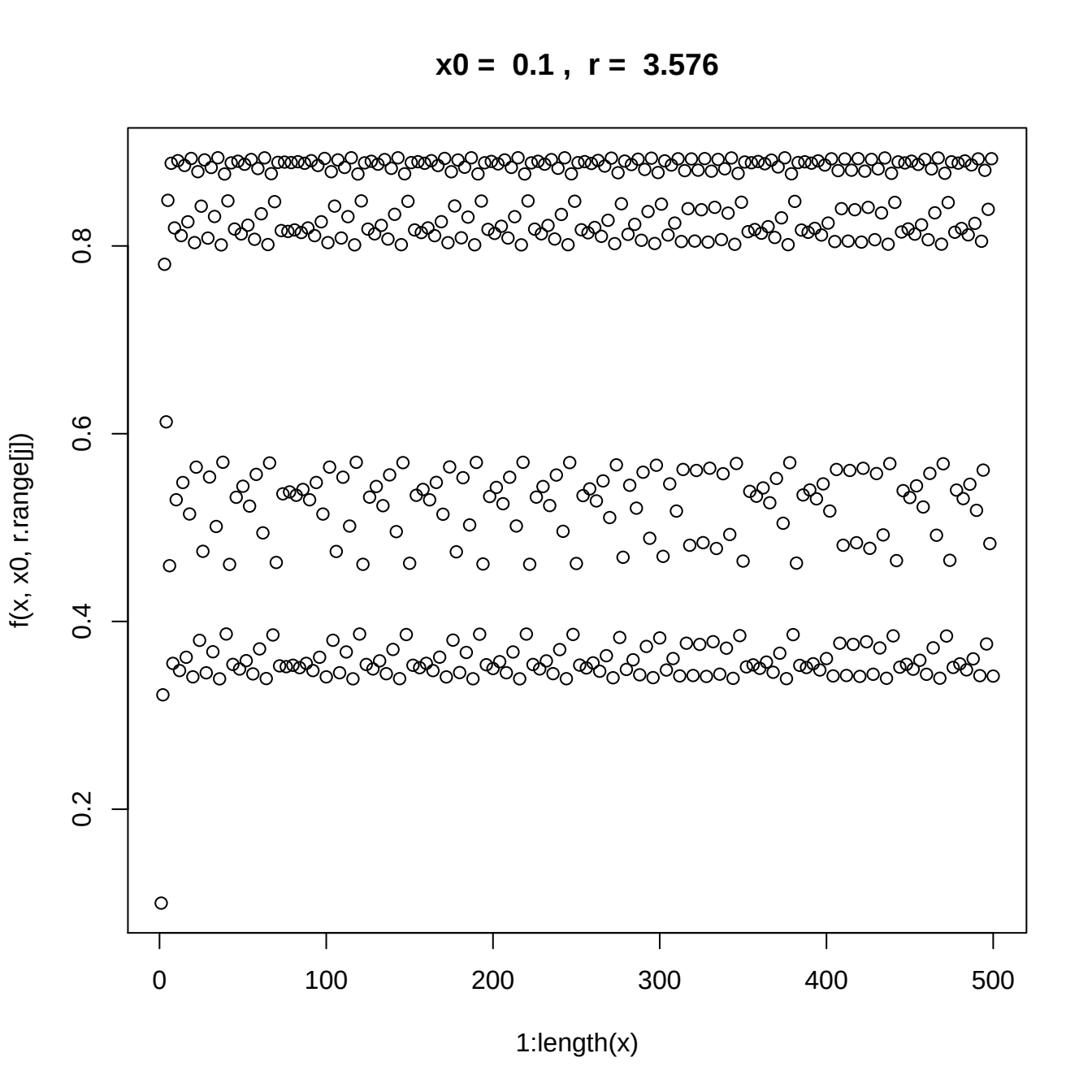

x0 = 0.1 , r = 3.566
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

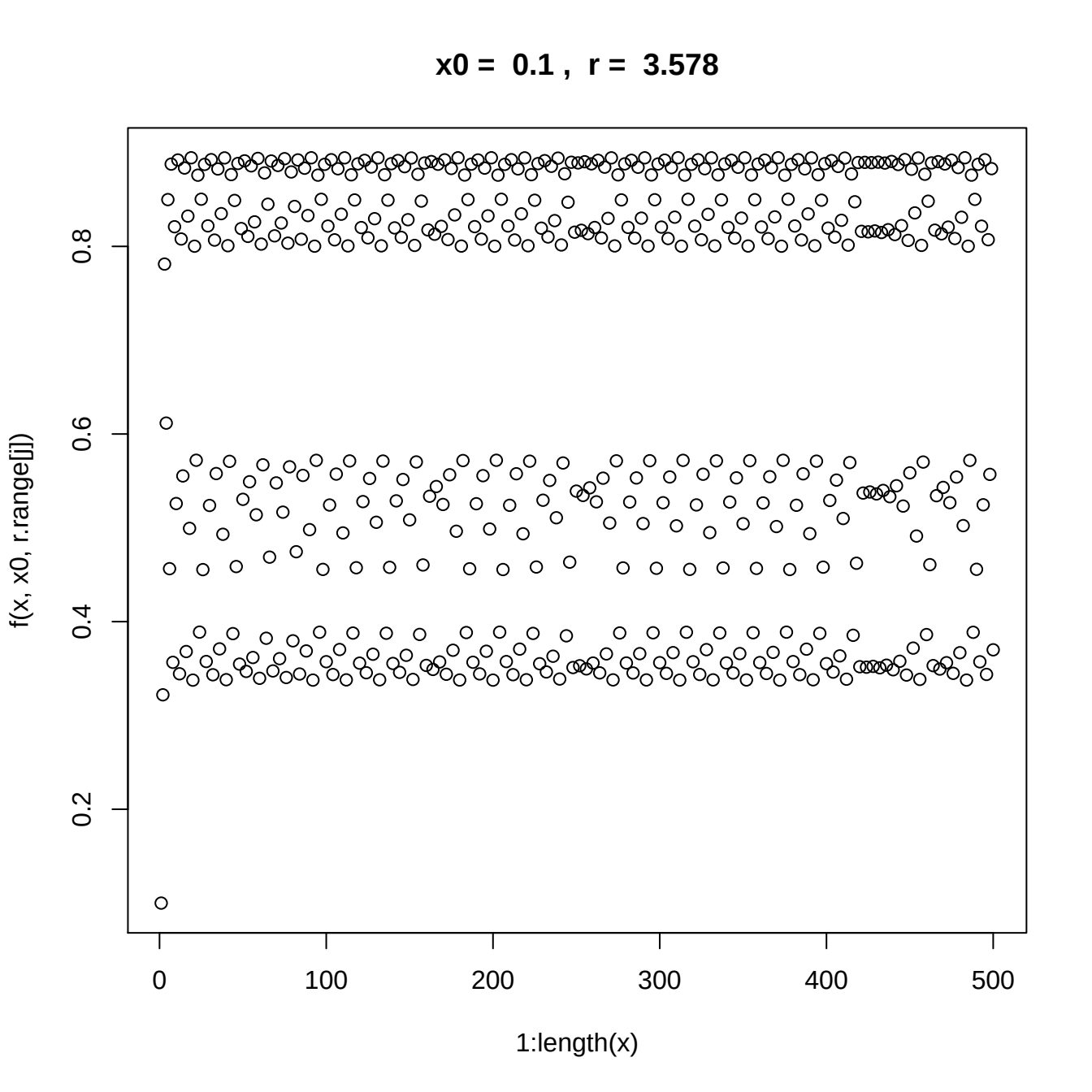

x0 = 0.1 , r = 3.568
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

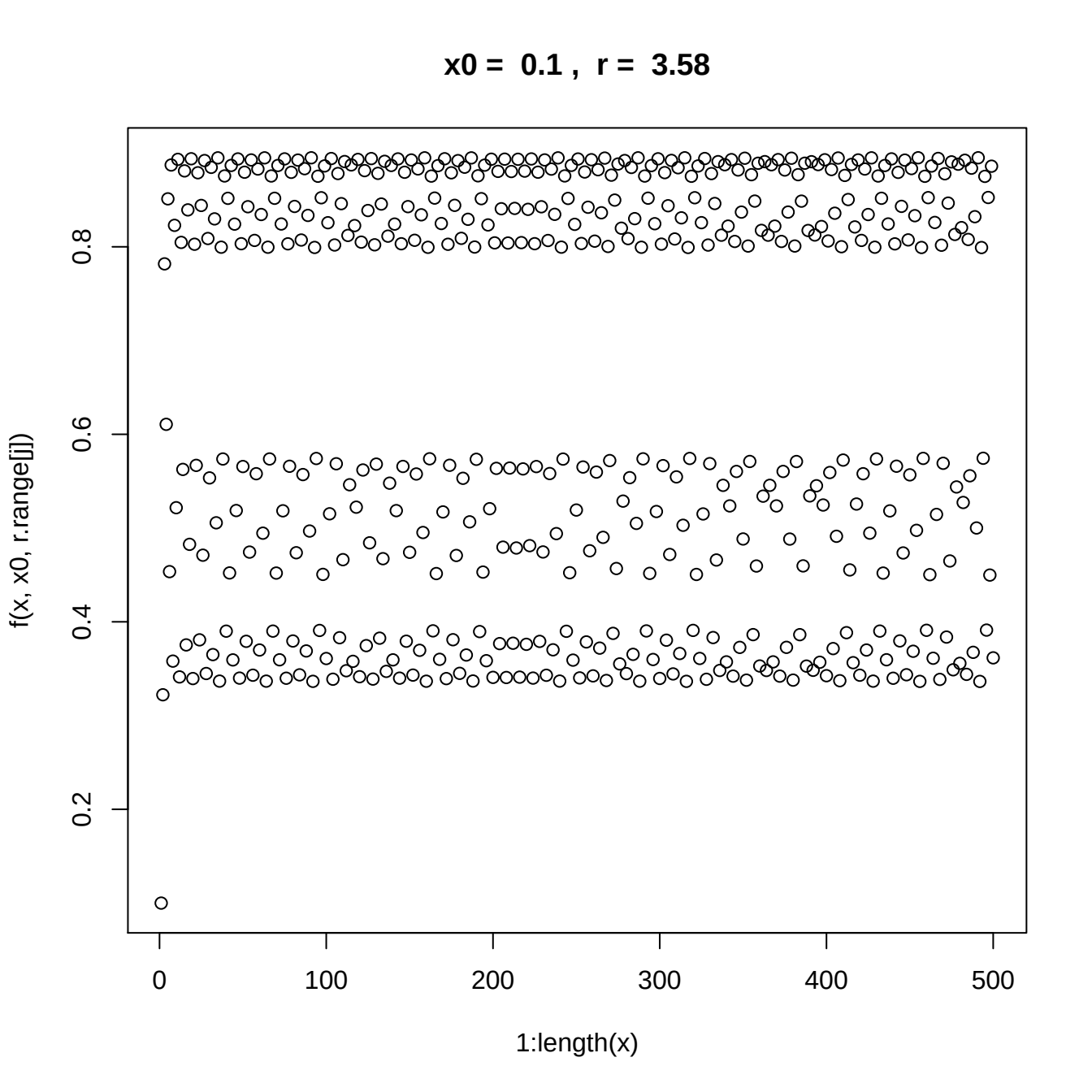

x0 = 0.1 , r = 3.57
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

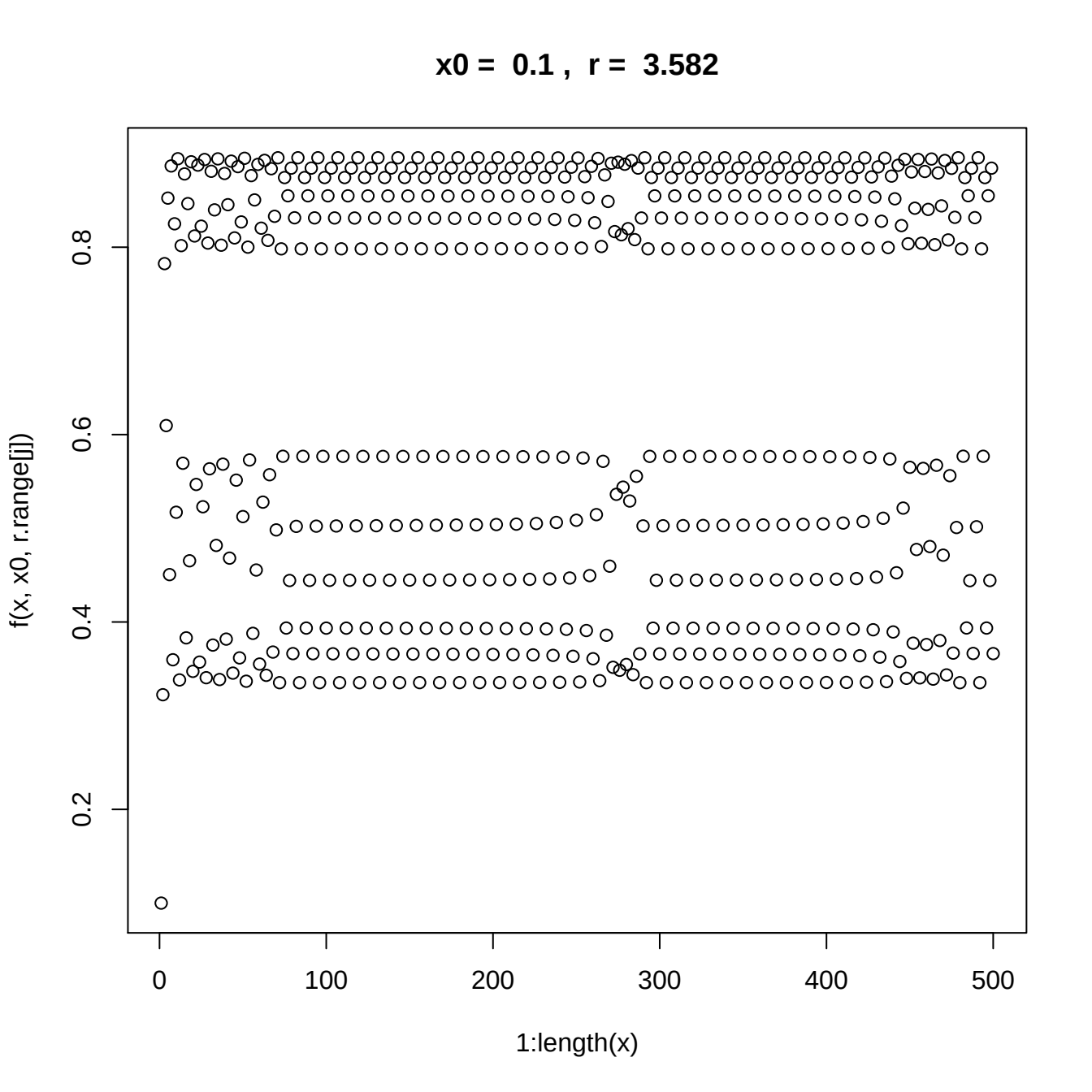

x0 = 0.1 , r = 3.572
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

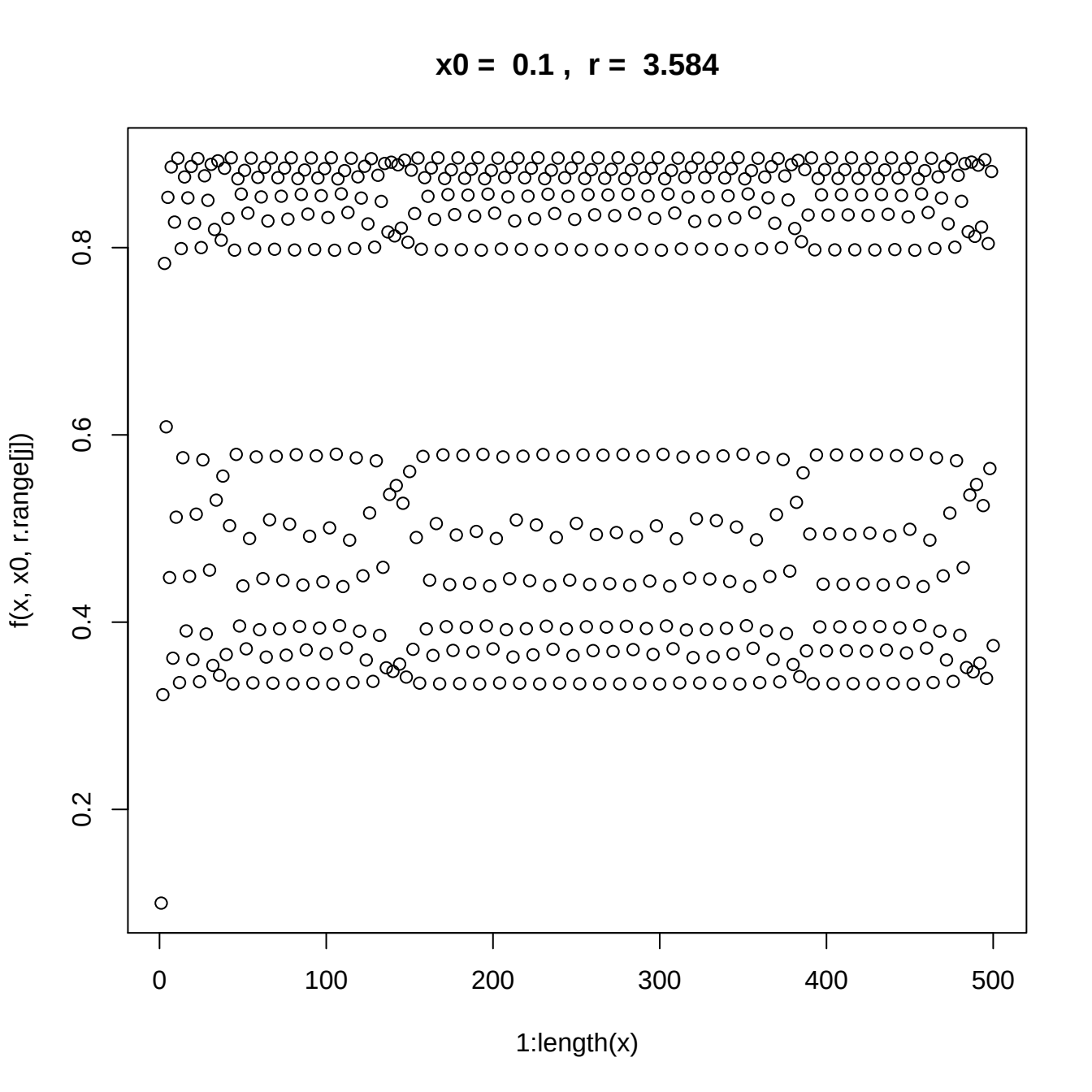

x0 = 0.1 , r = 3.574
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

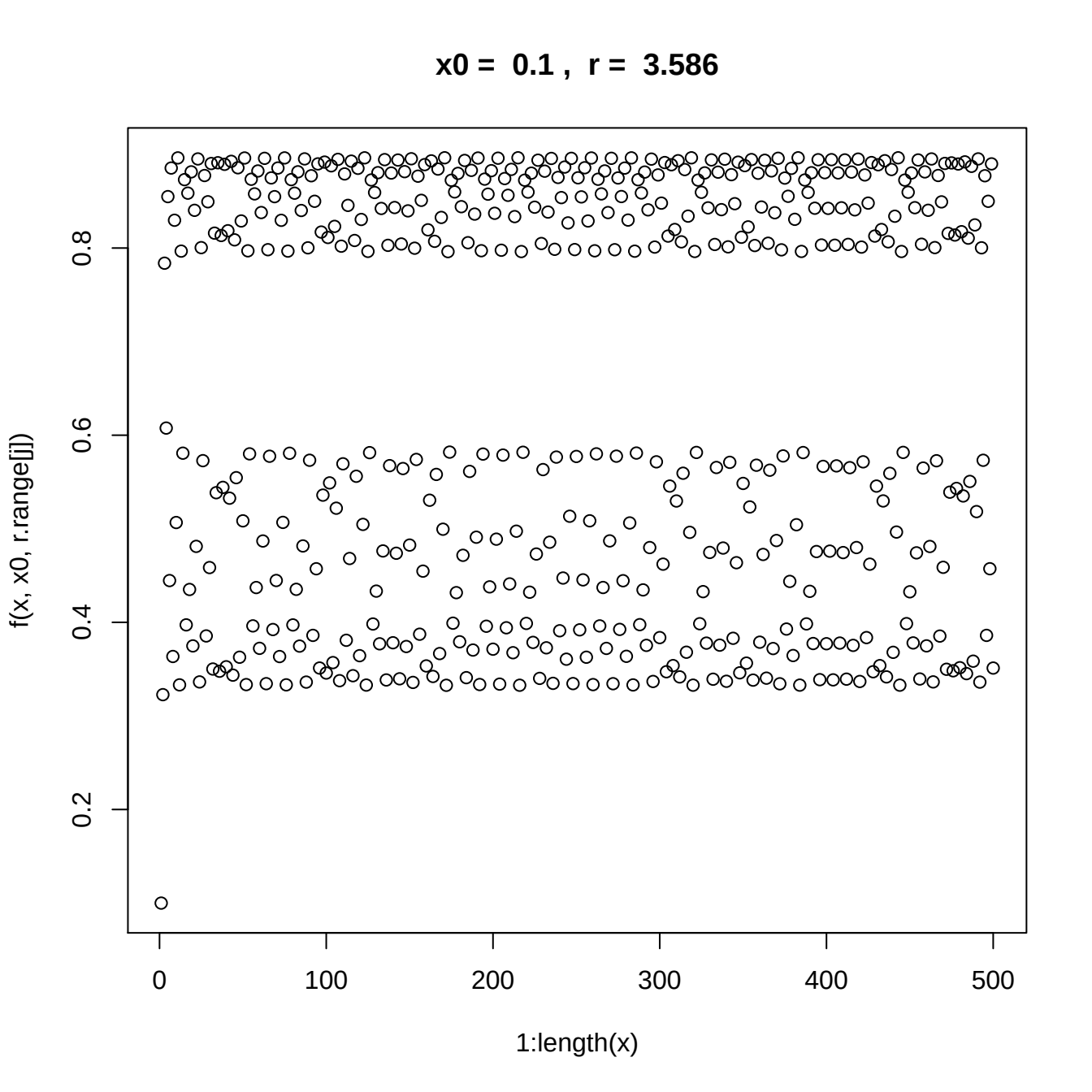

x0 = 0.1 , r = 3.576
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

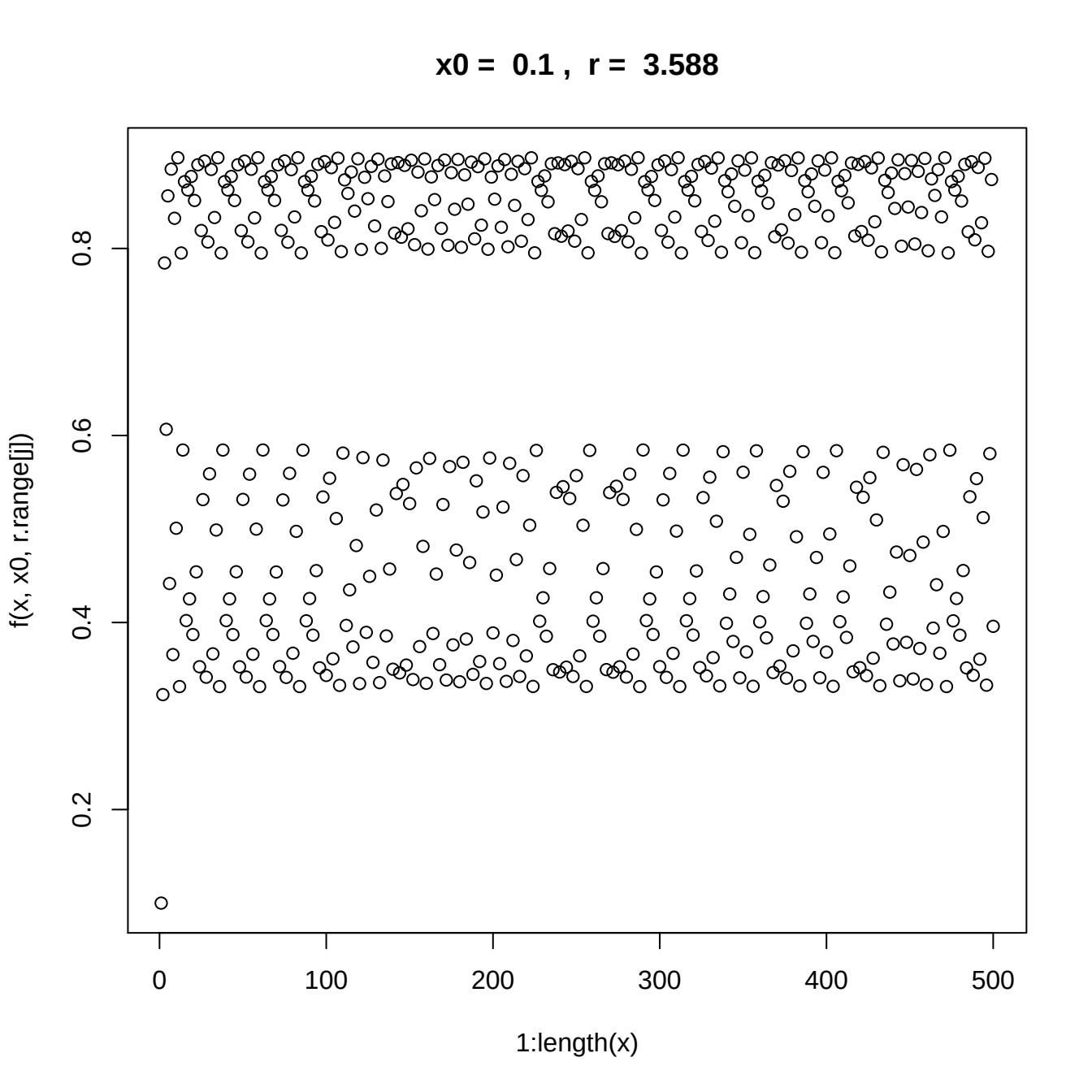

x0 = 0.1 , r = 3.578
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

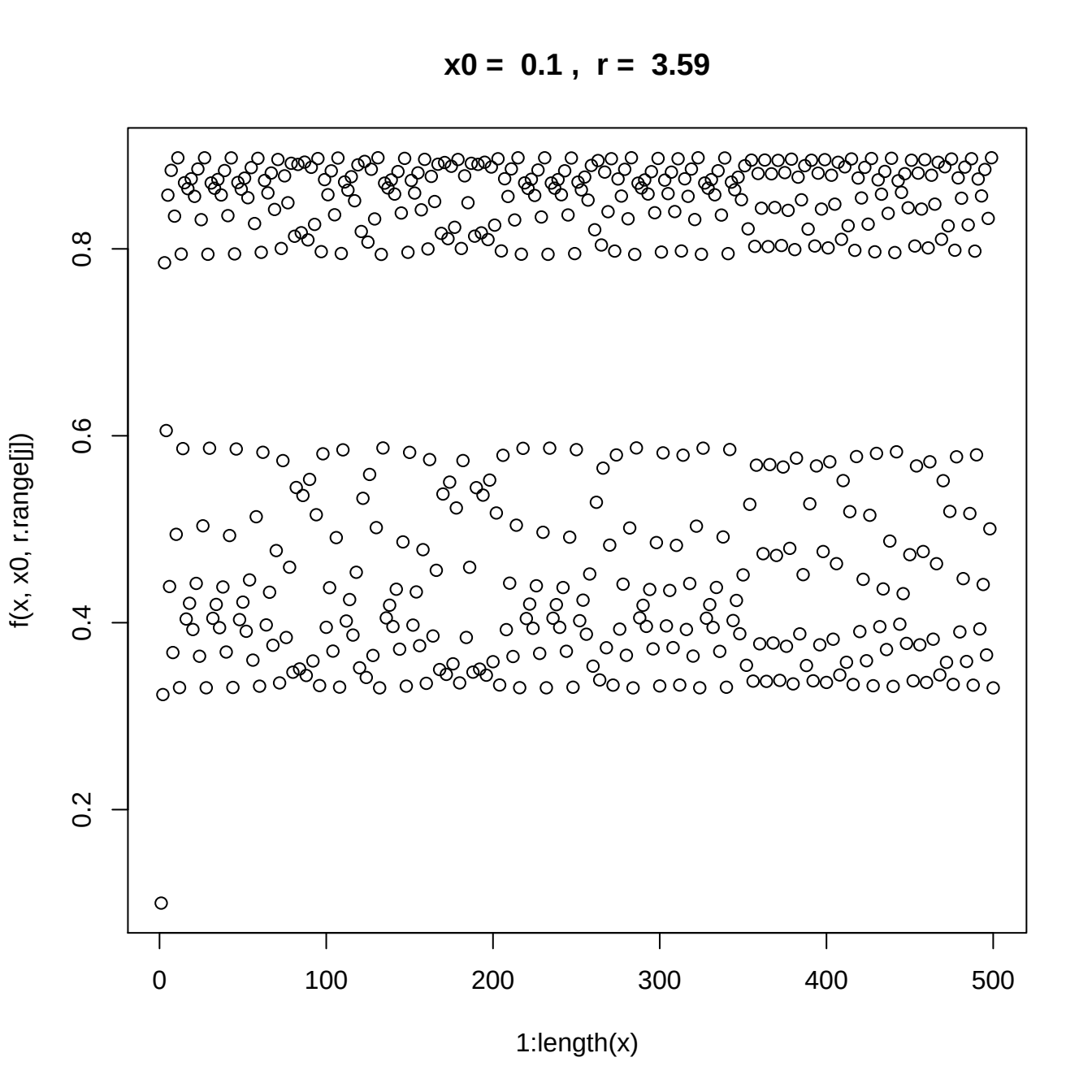

x0 = 0.1 , r = 3.58
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

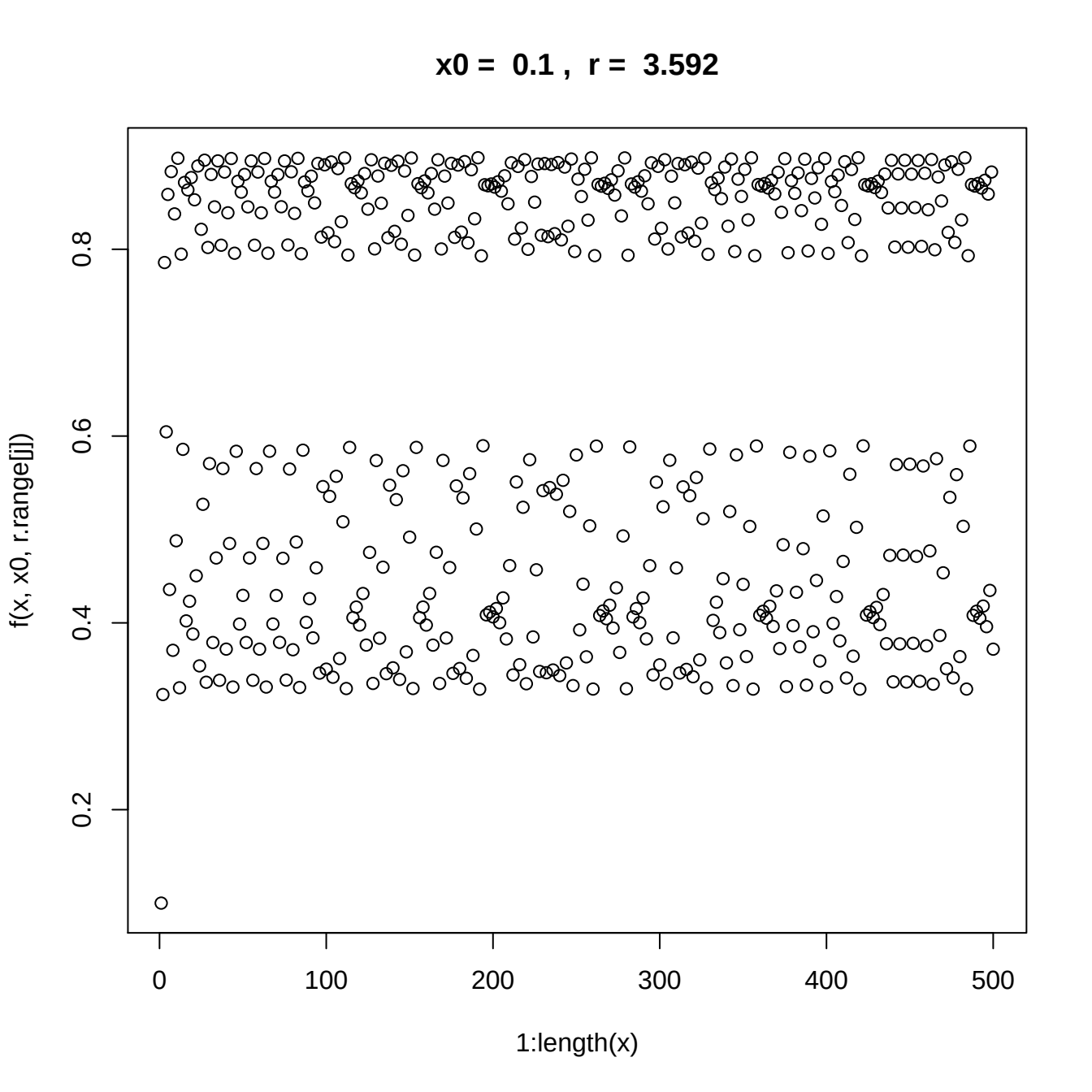

x0 = 0.1 , r = 3.582
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

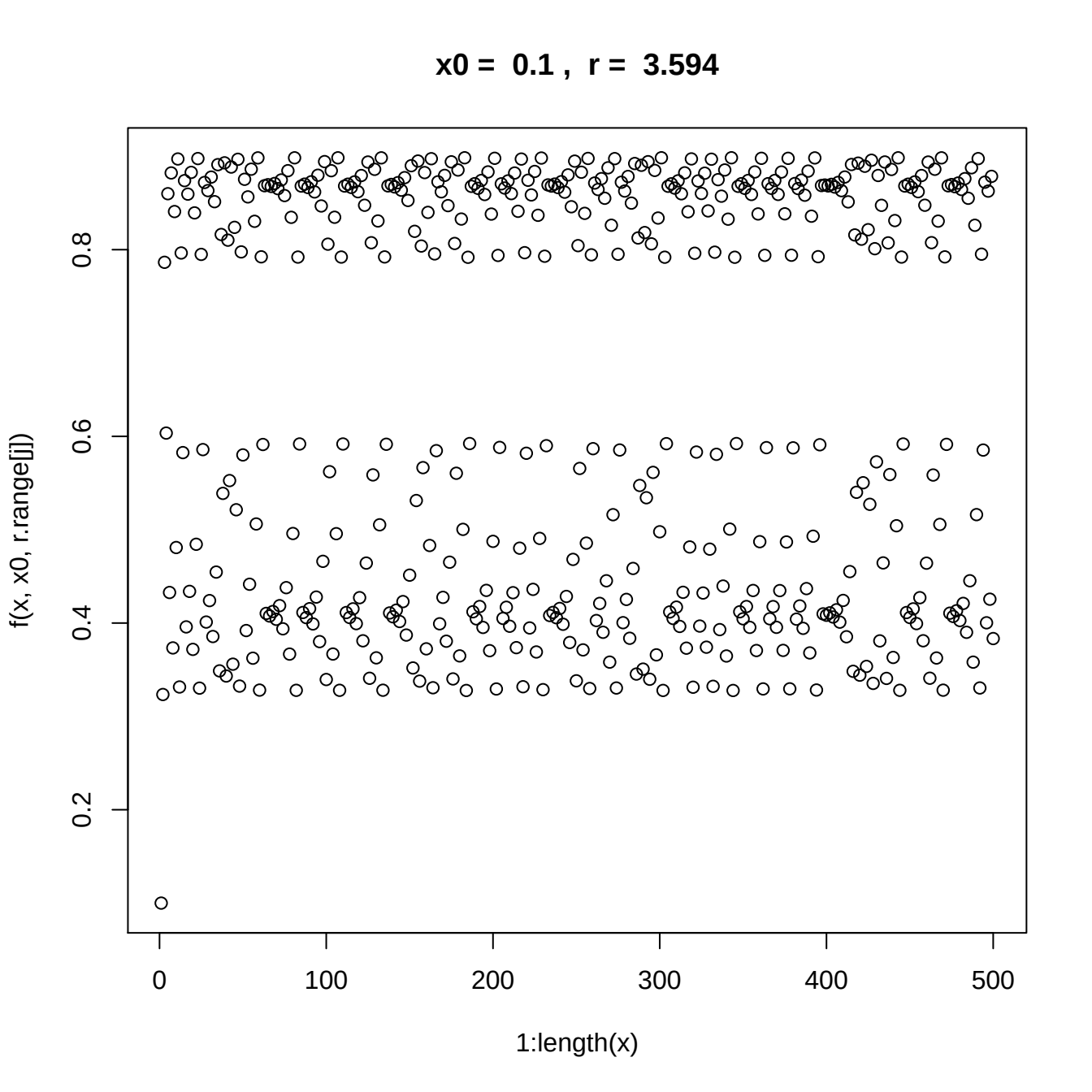

x0 = 0.1 , r = 3.584
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

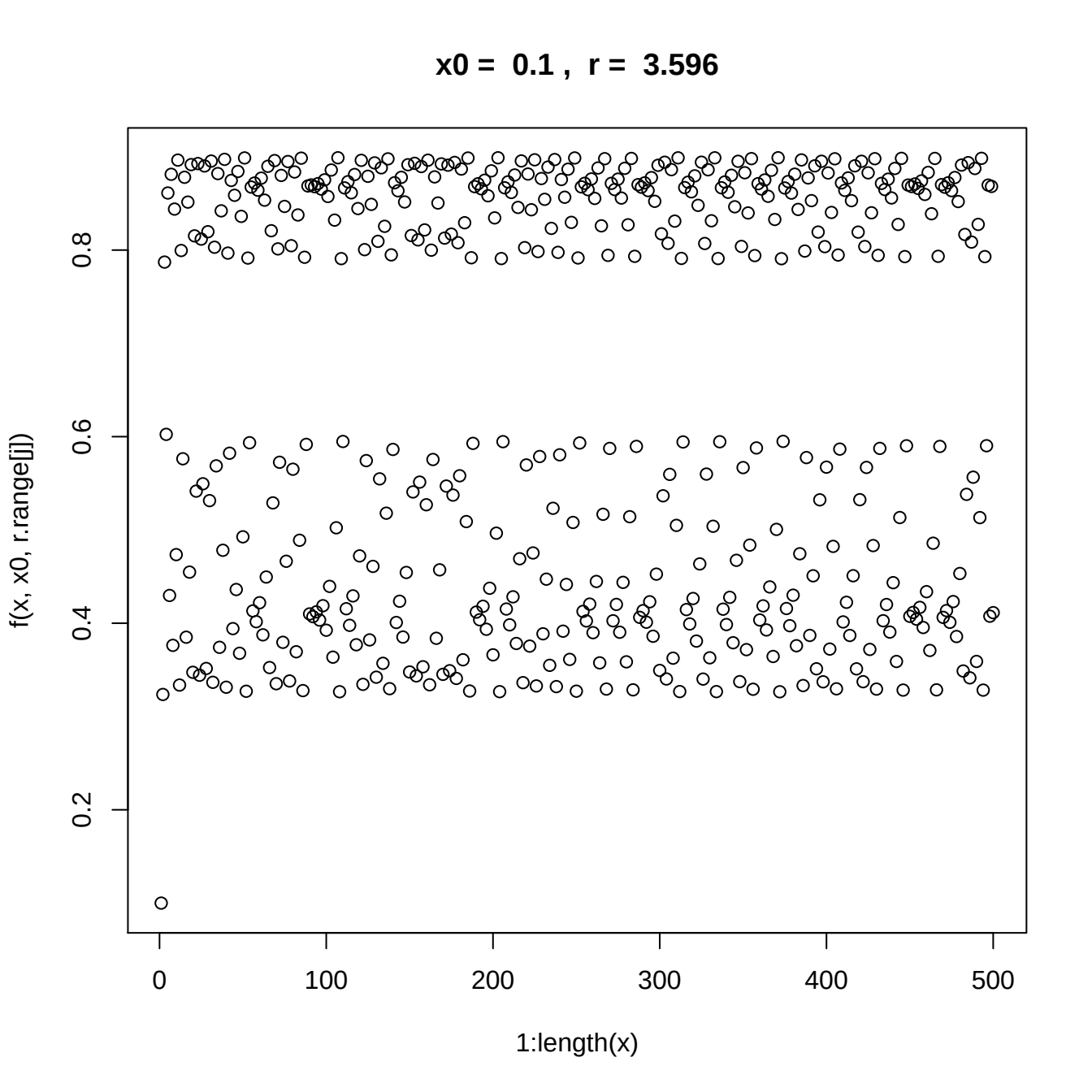

x0 = 0.1 , r = 3.586
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

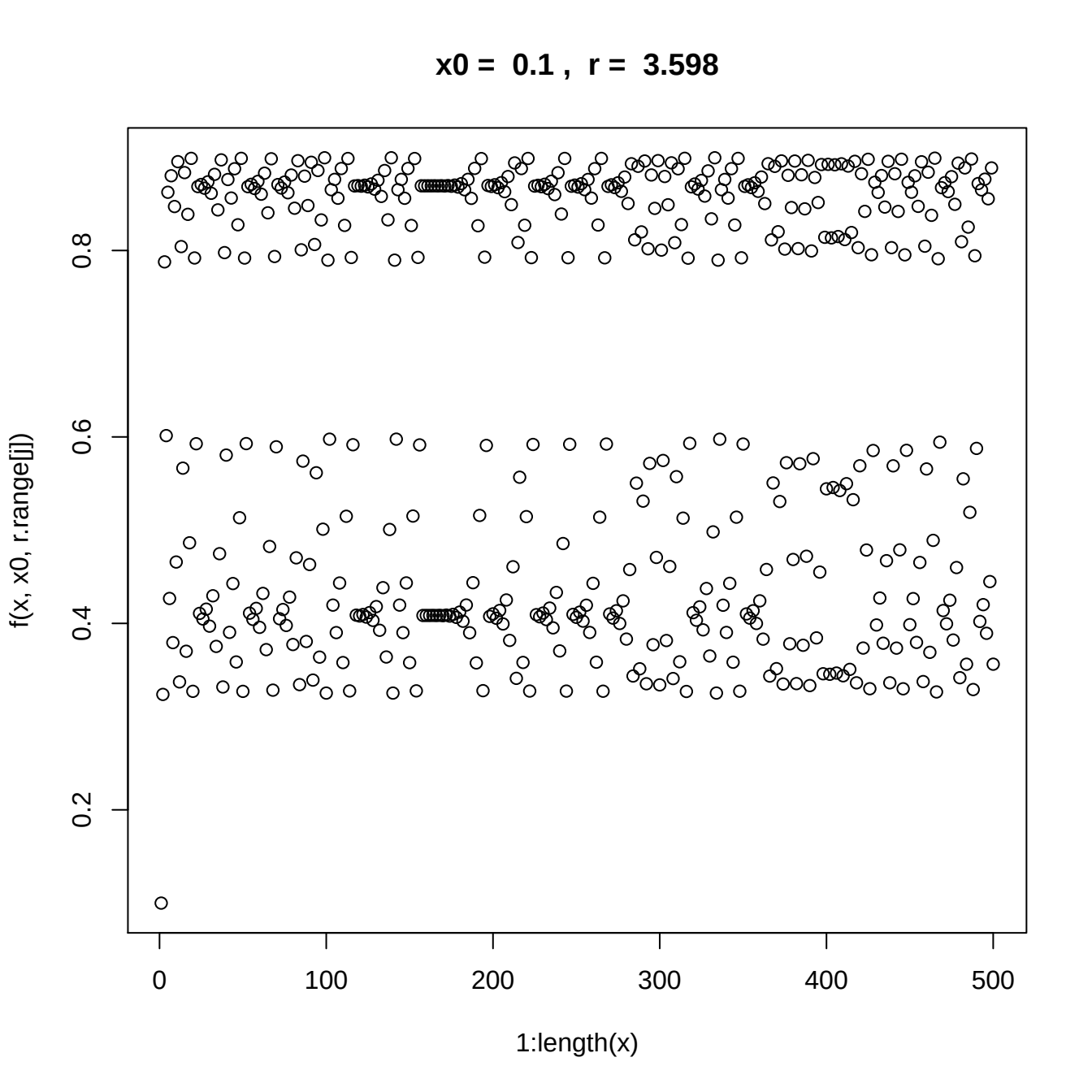

x0 = 0.1 , r = 3.588
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

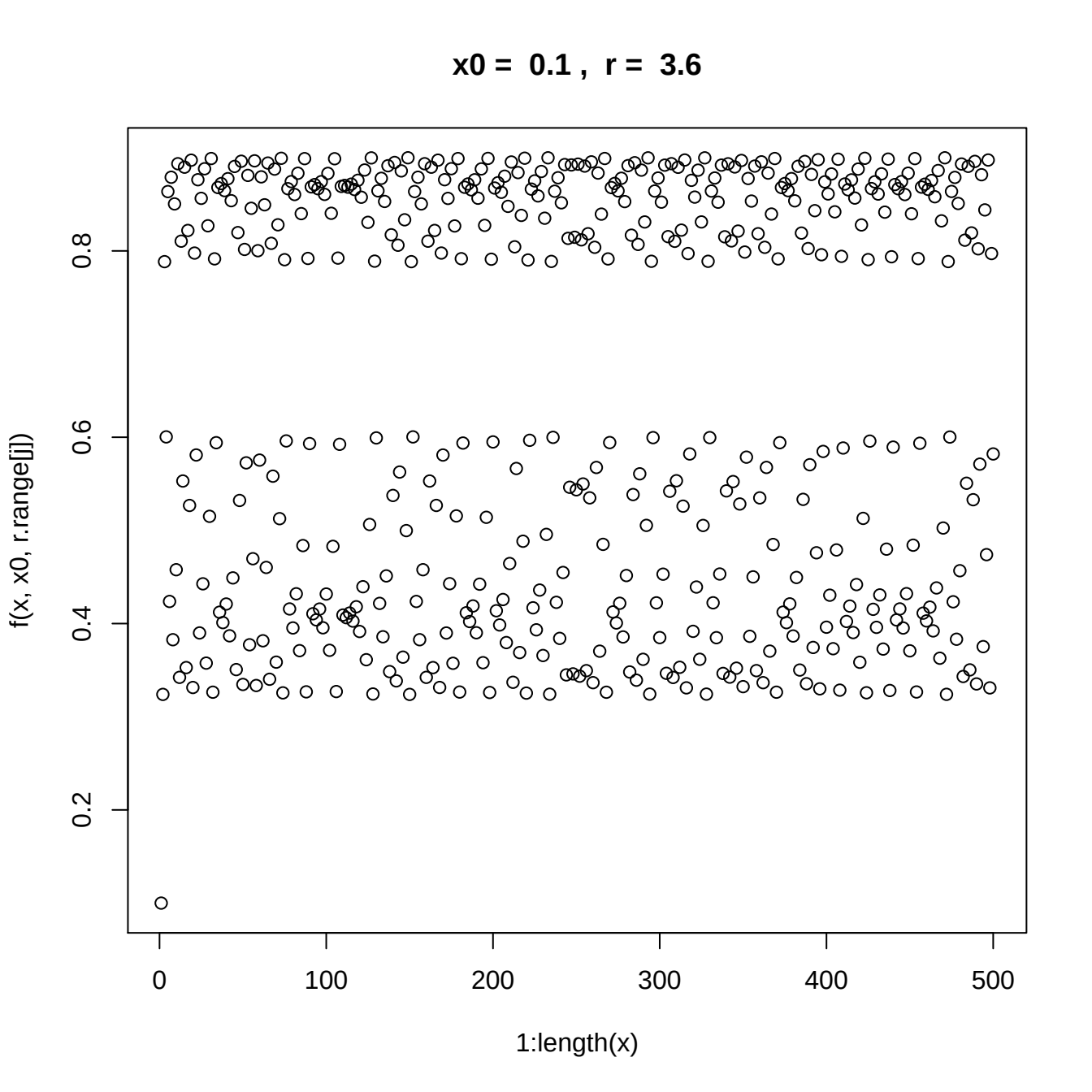

x0 = 0.1 , r = 3.59
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

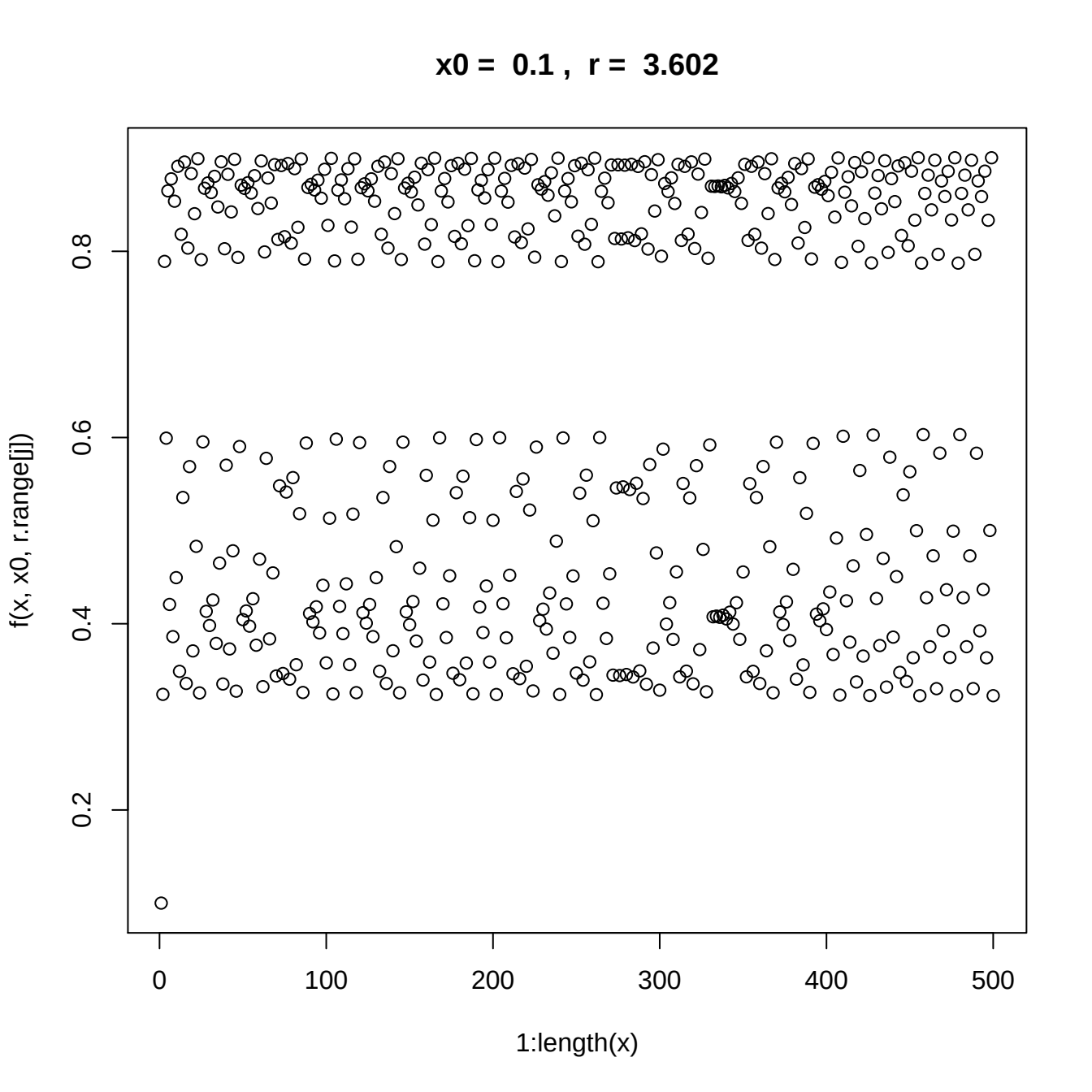

x0 = 0.1 , r = 3.592
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

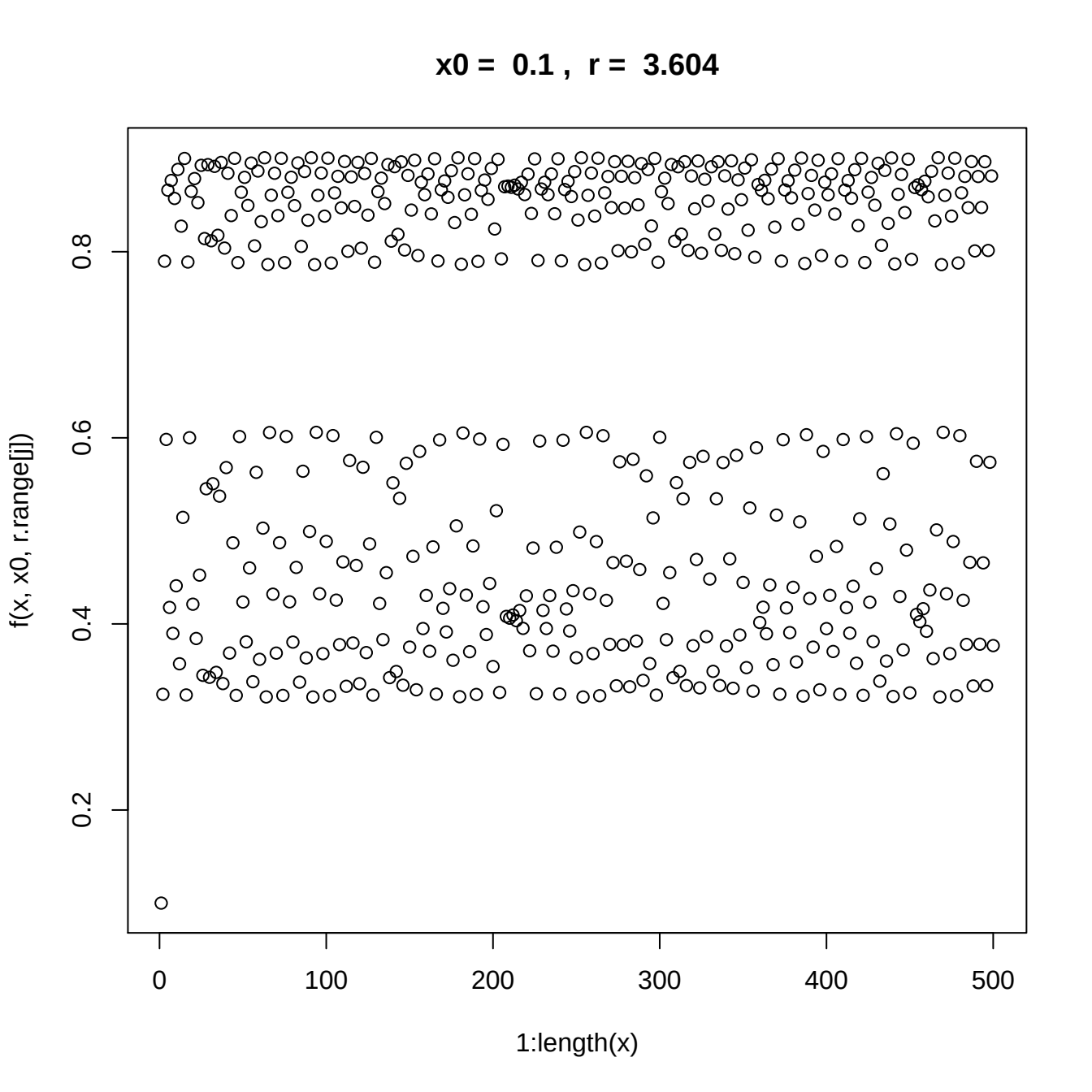

x0 = 0.1 , r = 3.594
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

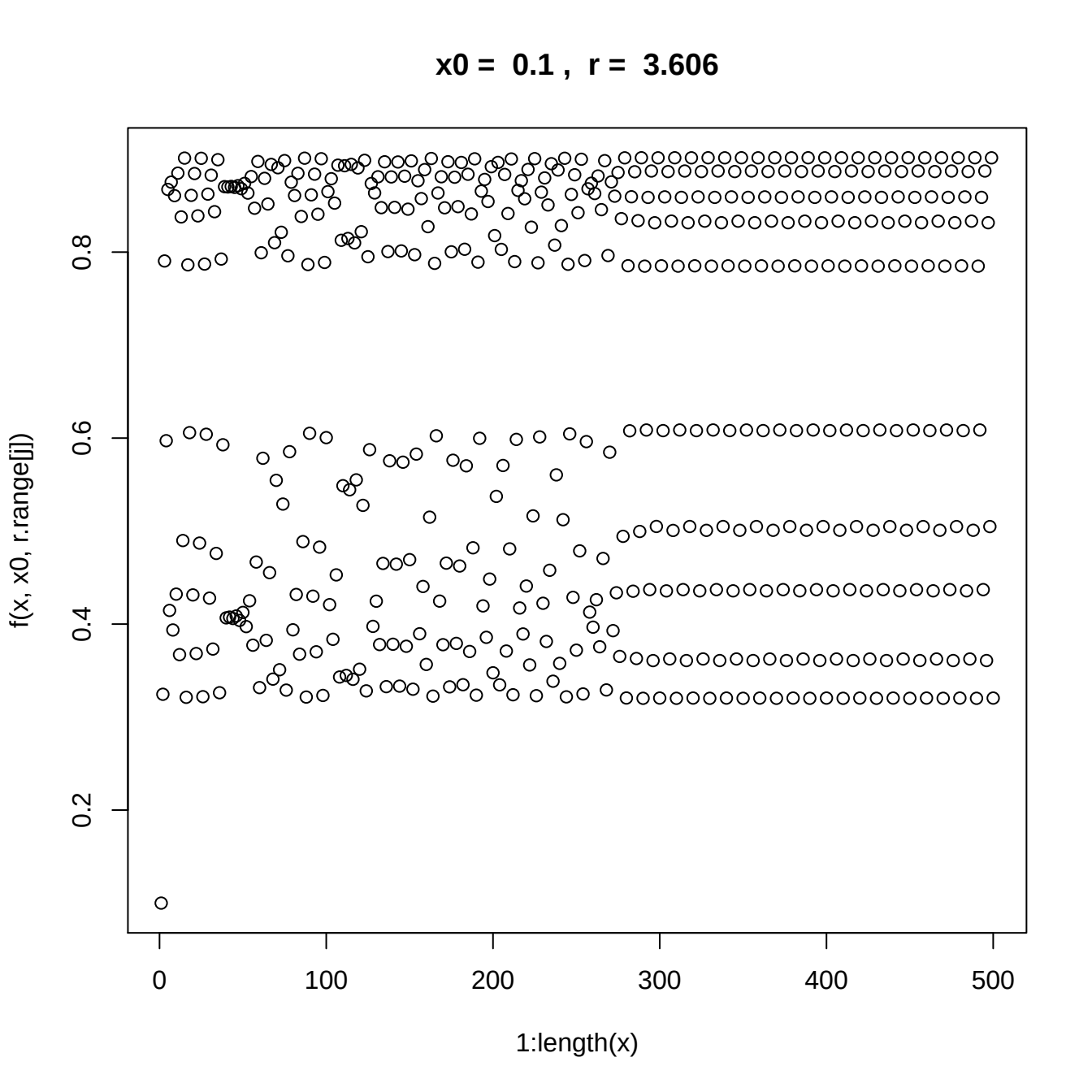

x0 = 0.1 , r = 3.596
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

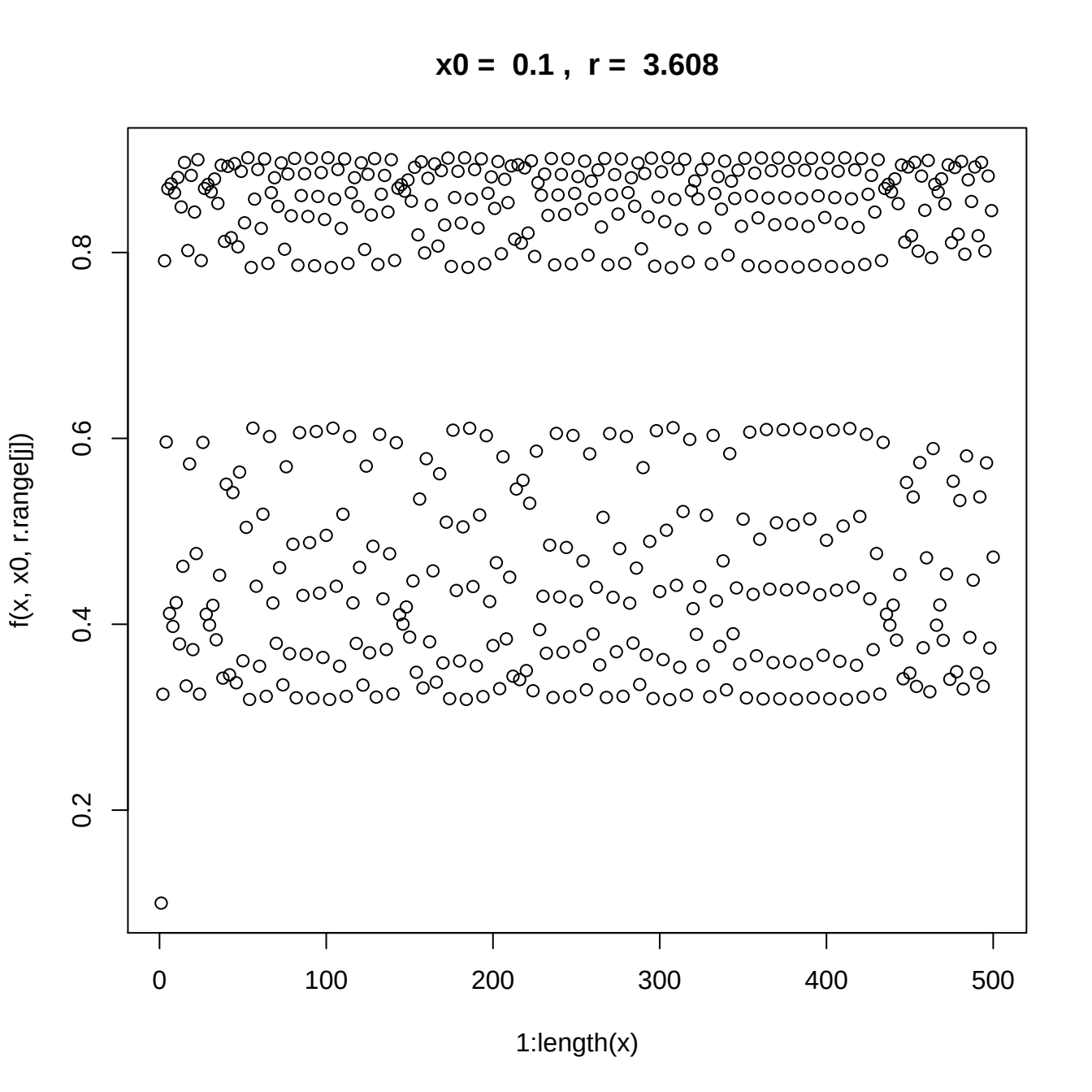

x0 = 0.1 , r = 3.598
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

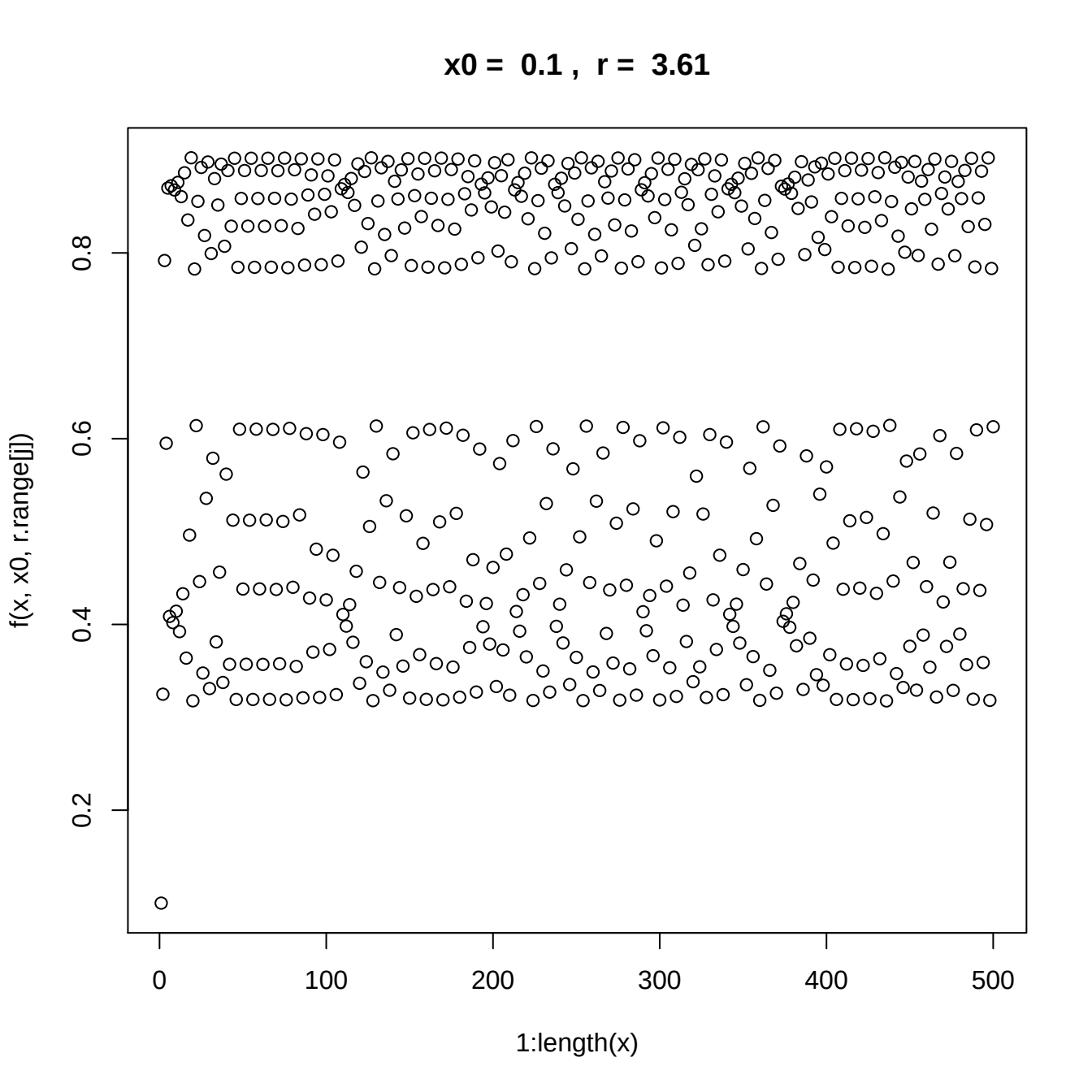

x0 = 0.1 , r = 3.6
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

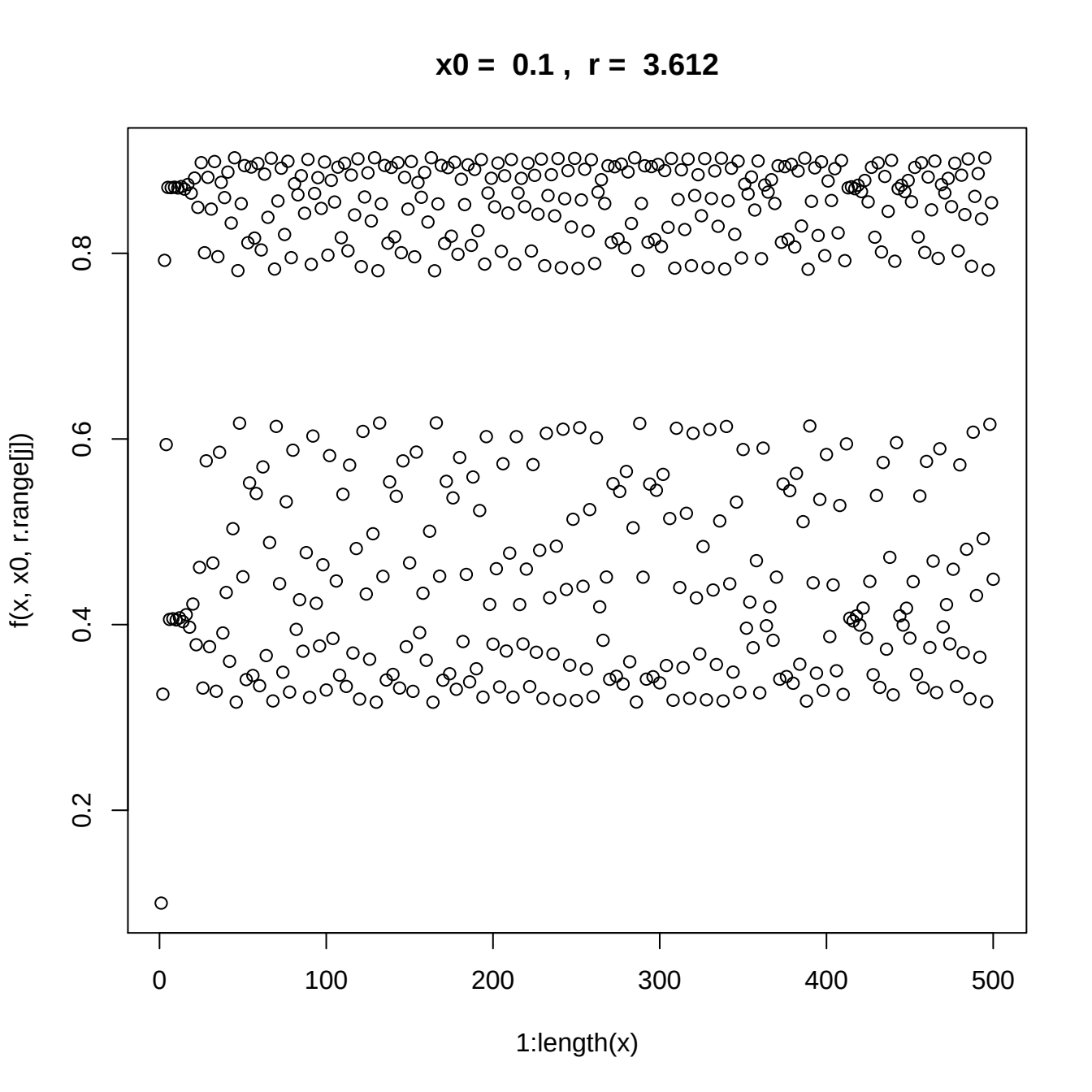

x0 = 0.1 , r = 3.602
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

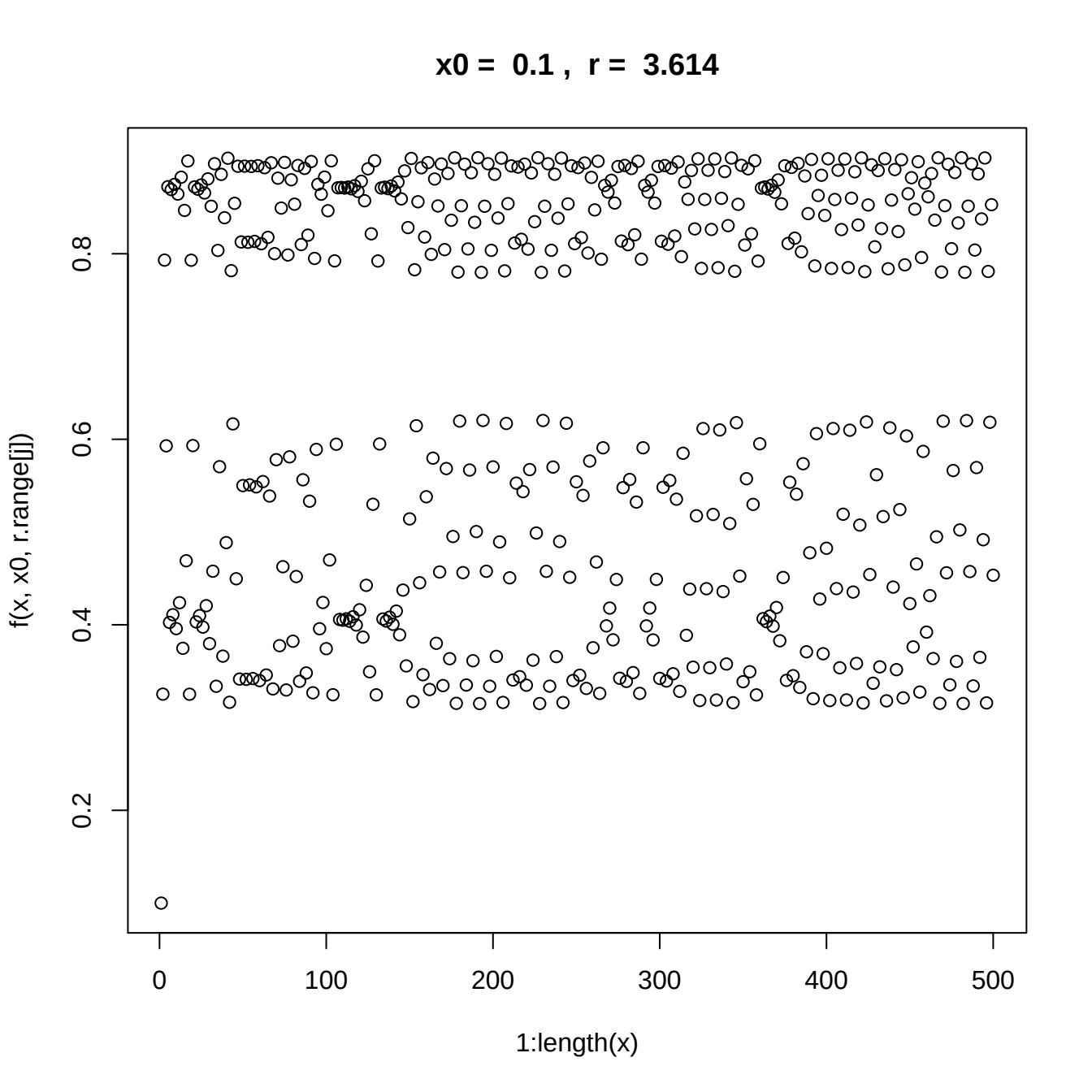

x0 = 0.1 , r = 3.604
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

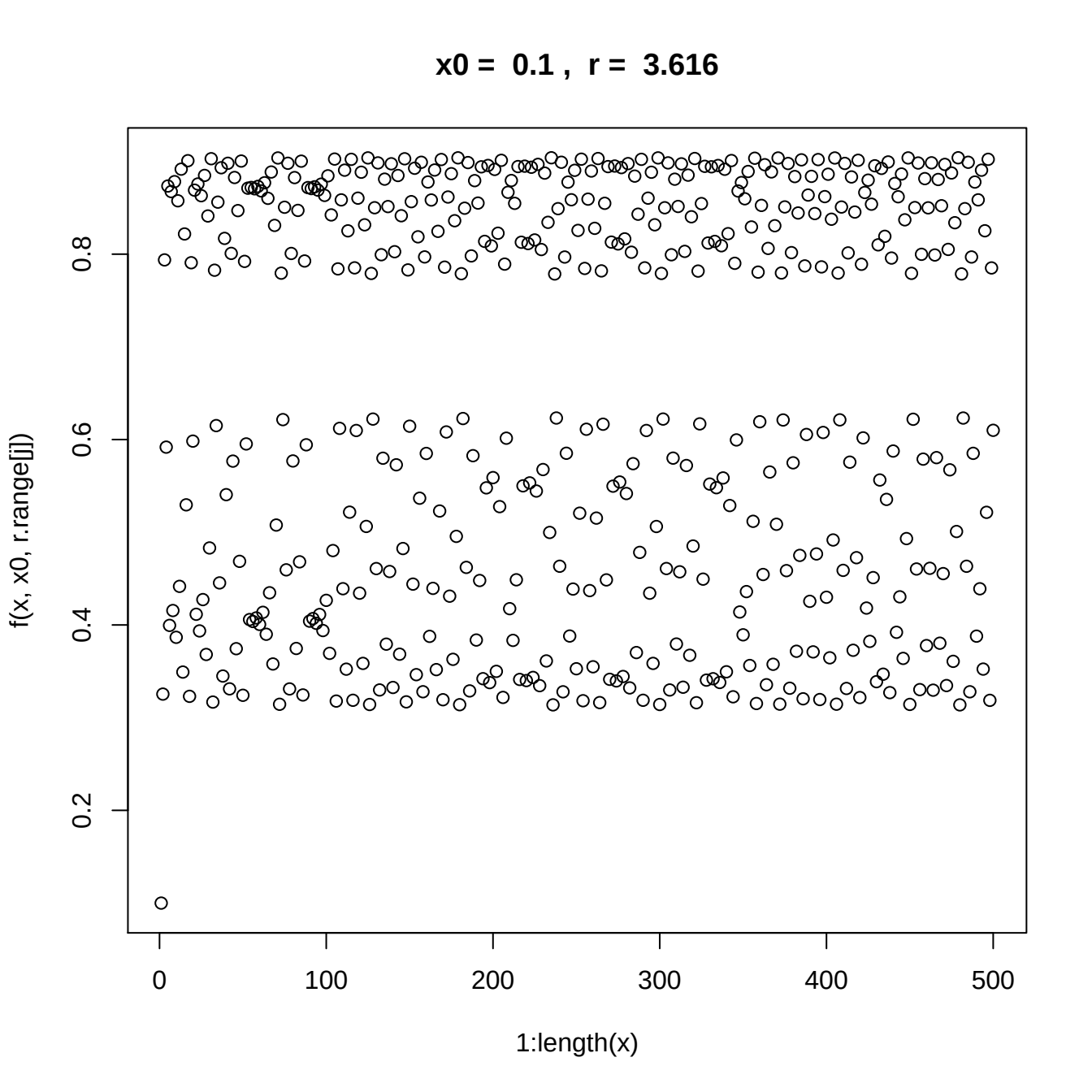

x0 = 0.1 , r = 3.606
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

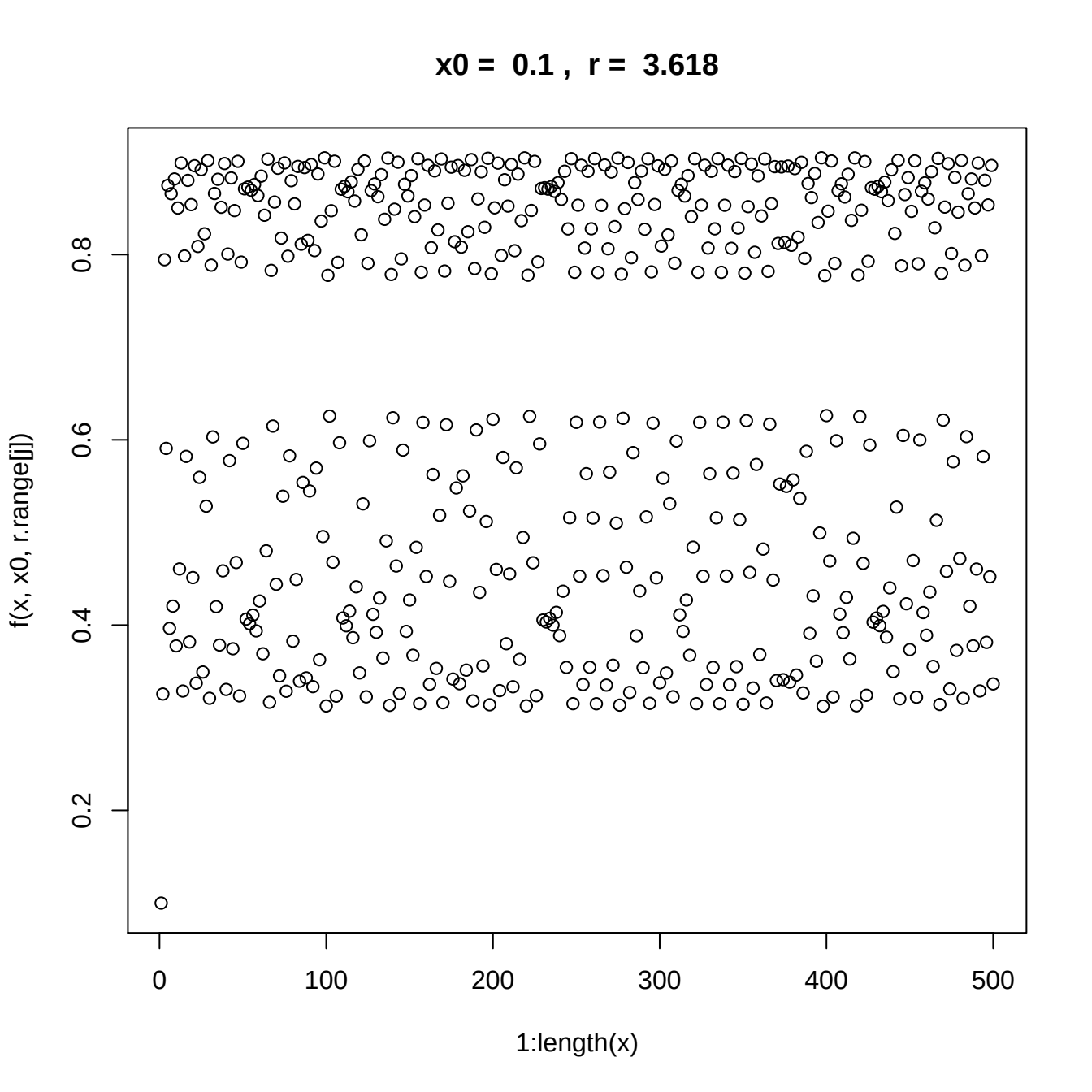

x0 = 0.1 , r = 3.608
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

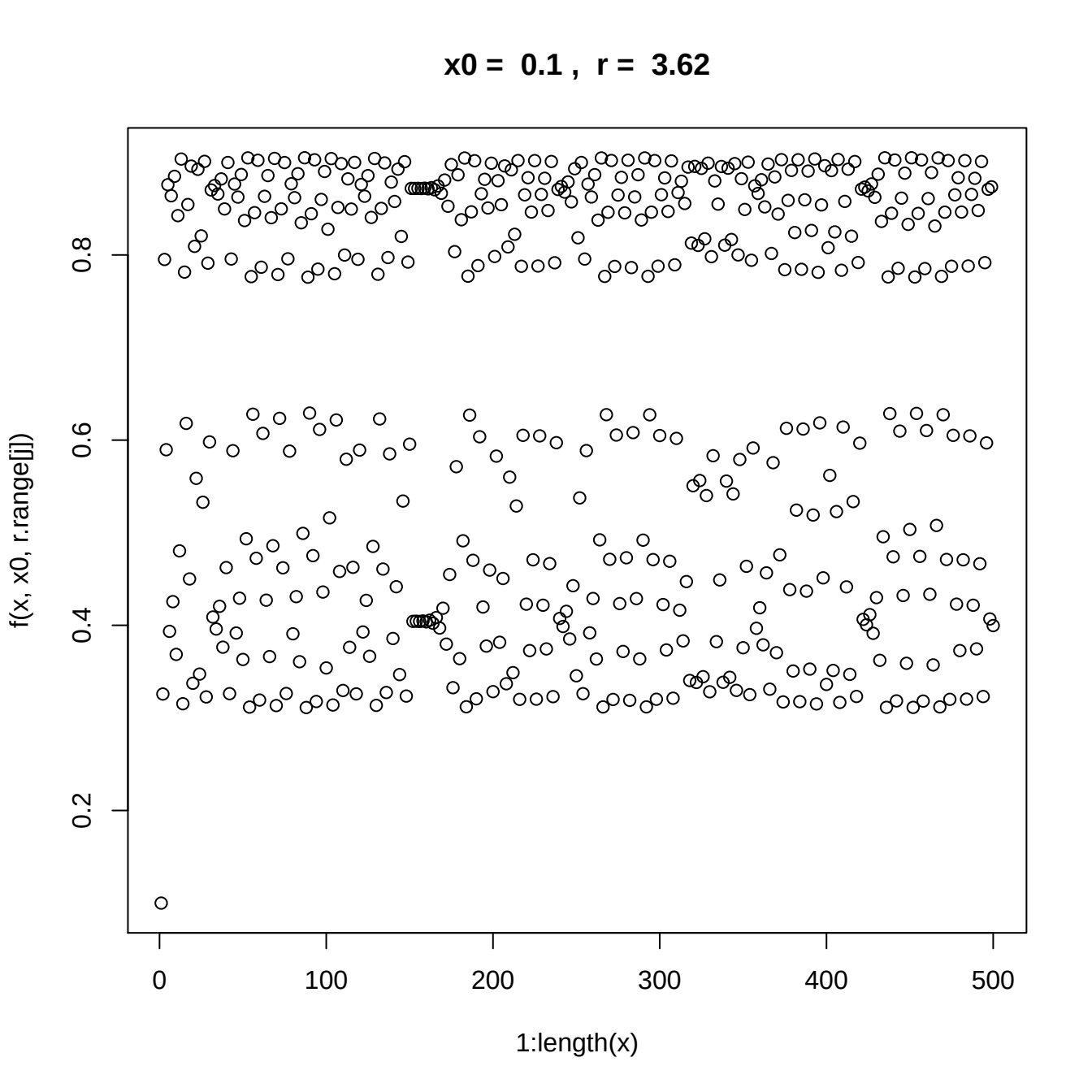

x0 = 0.1 , r = 3.61
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

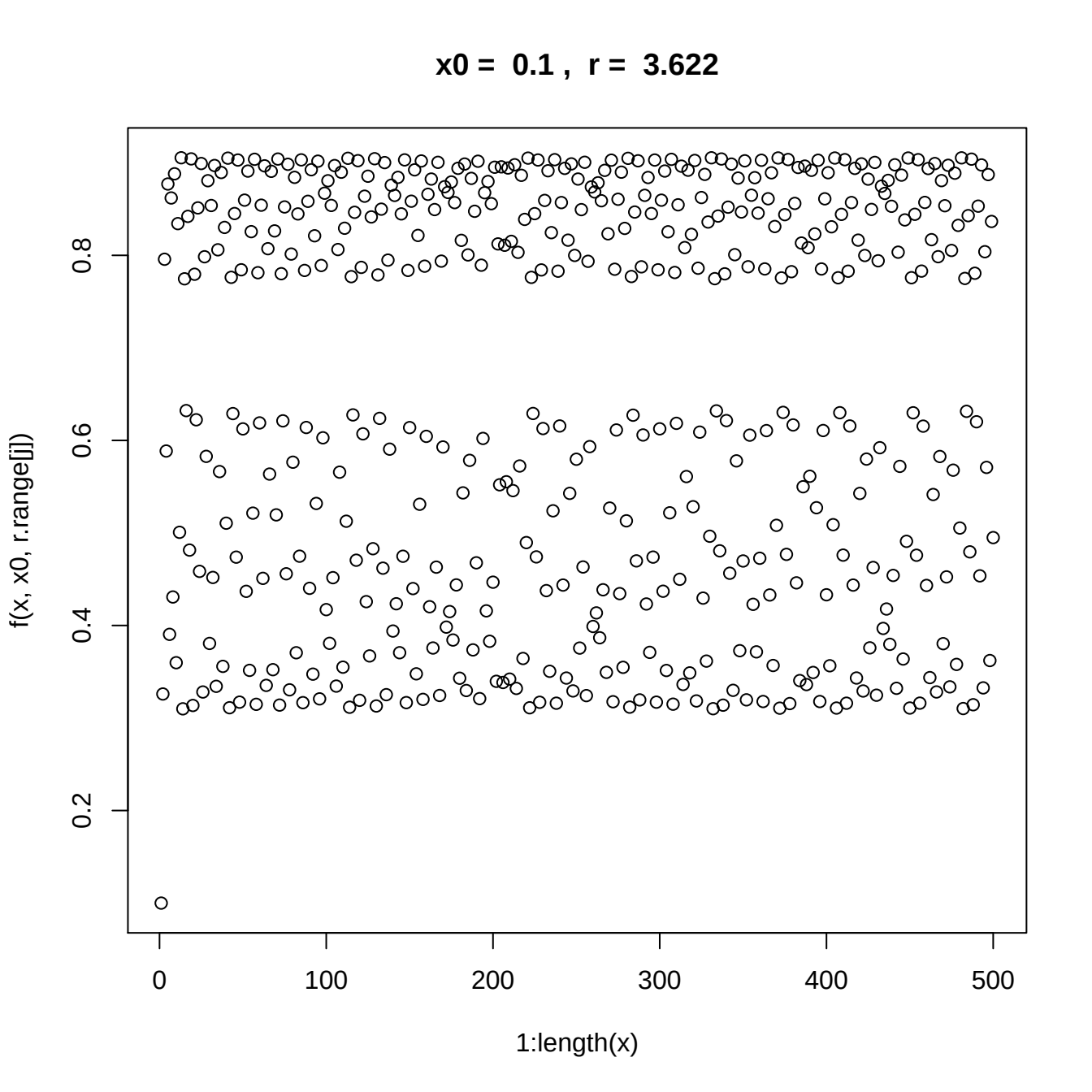

x0 = 0.1 , r = 3.612
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

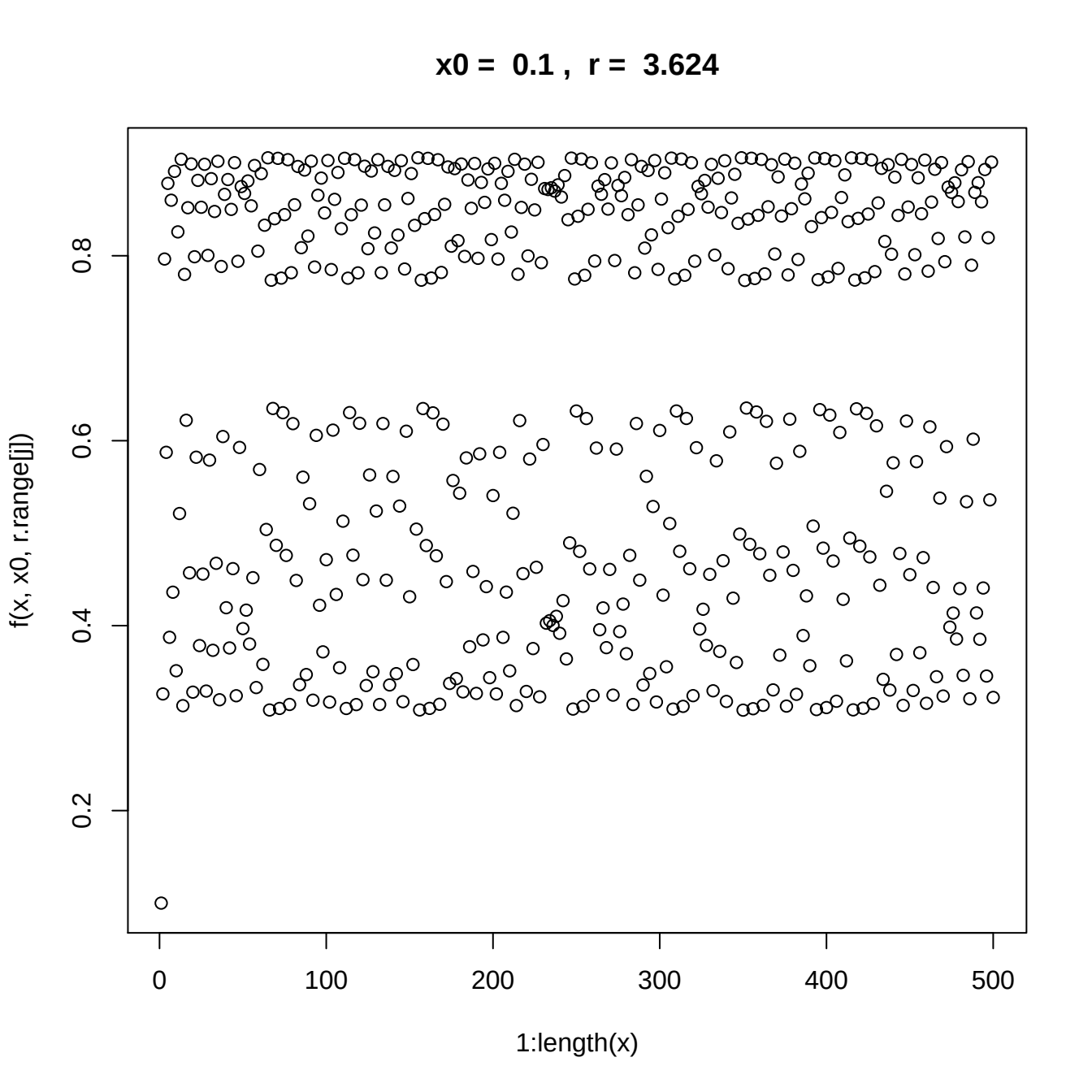

x0 = 0.1 , r = 3.614
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

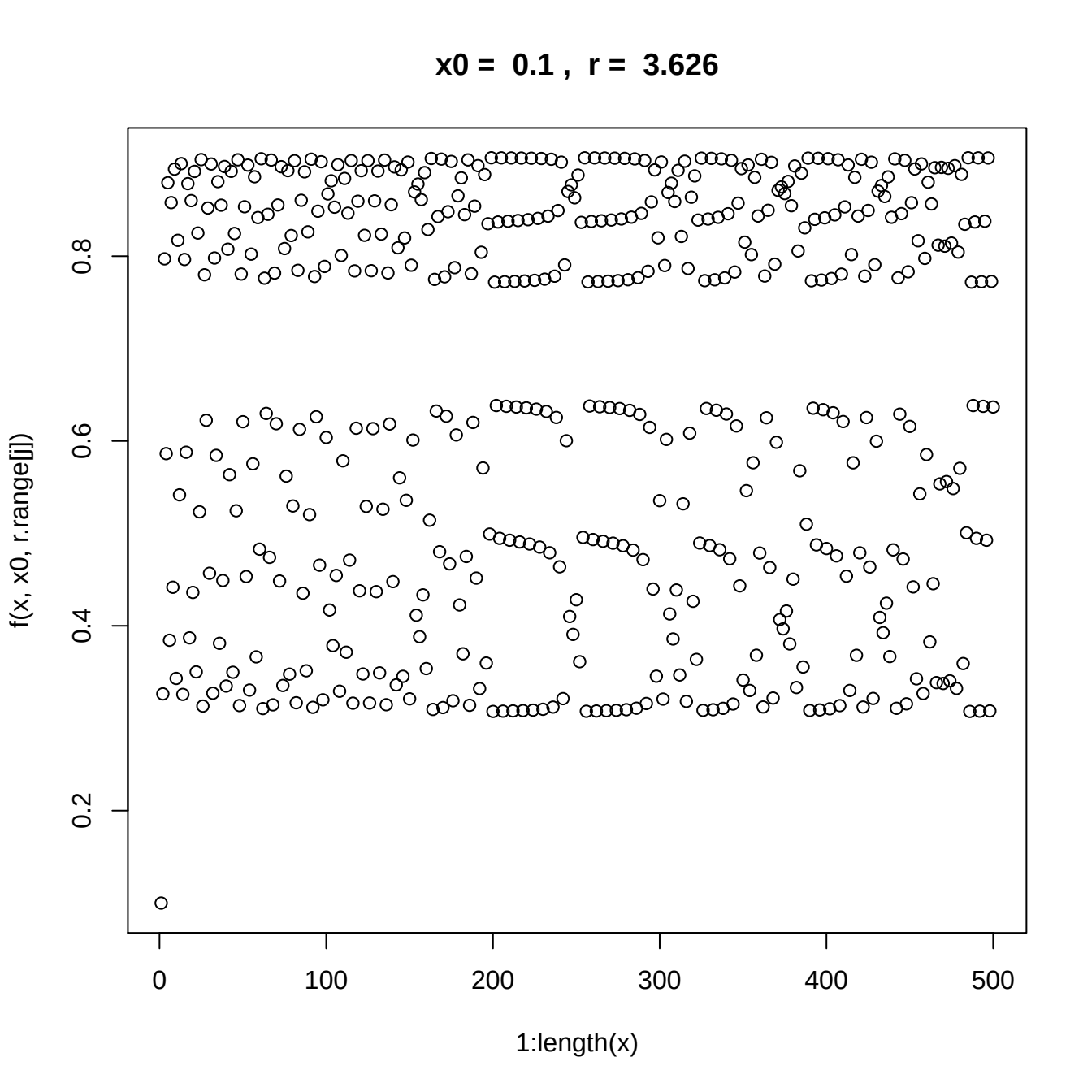

x0 = 0.1 , r = 3.616
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

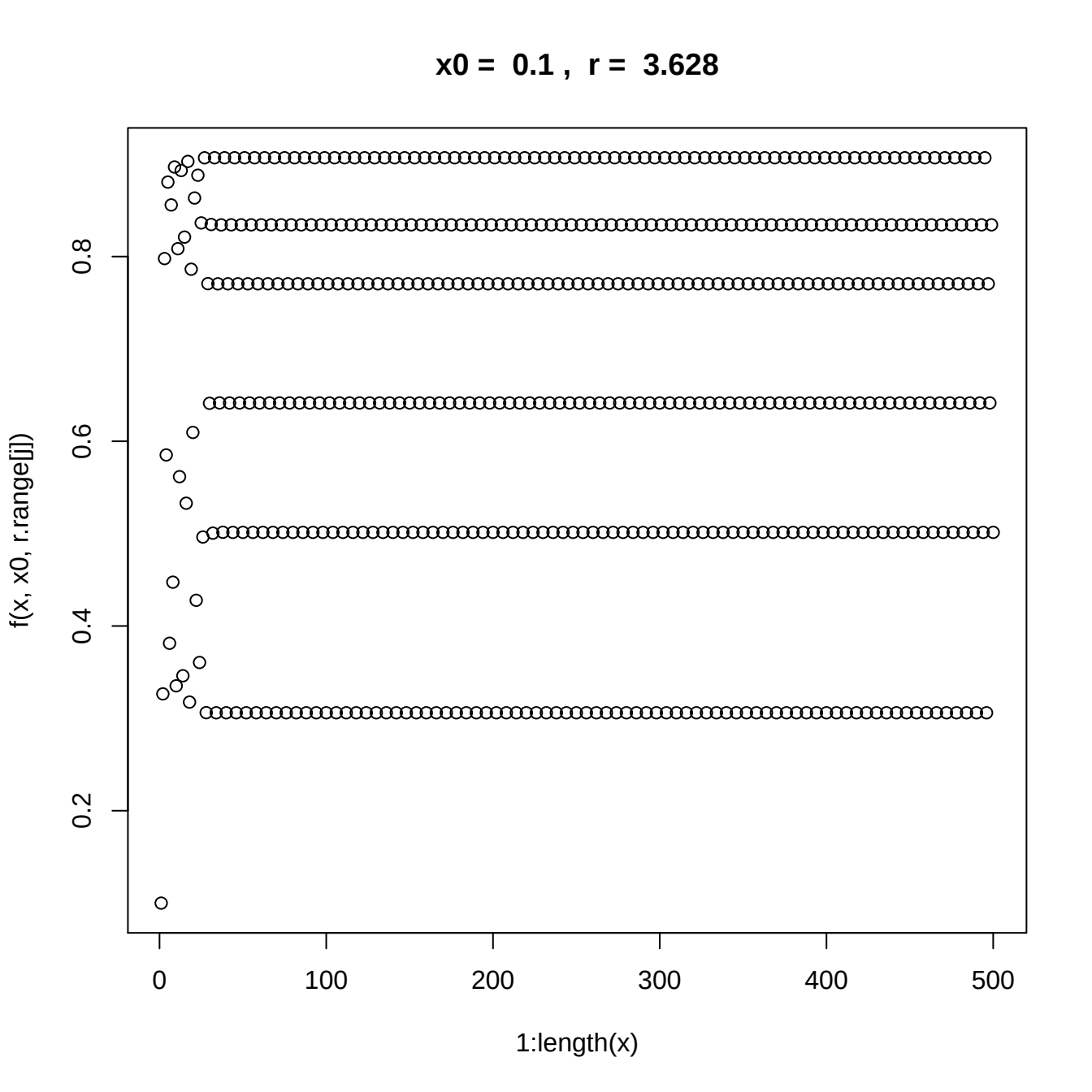

x0 = 0.1 , r = 3.618
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

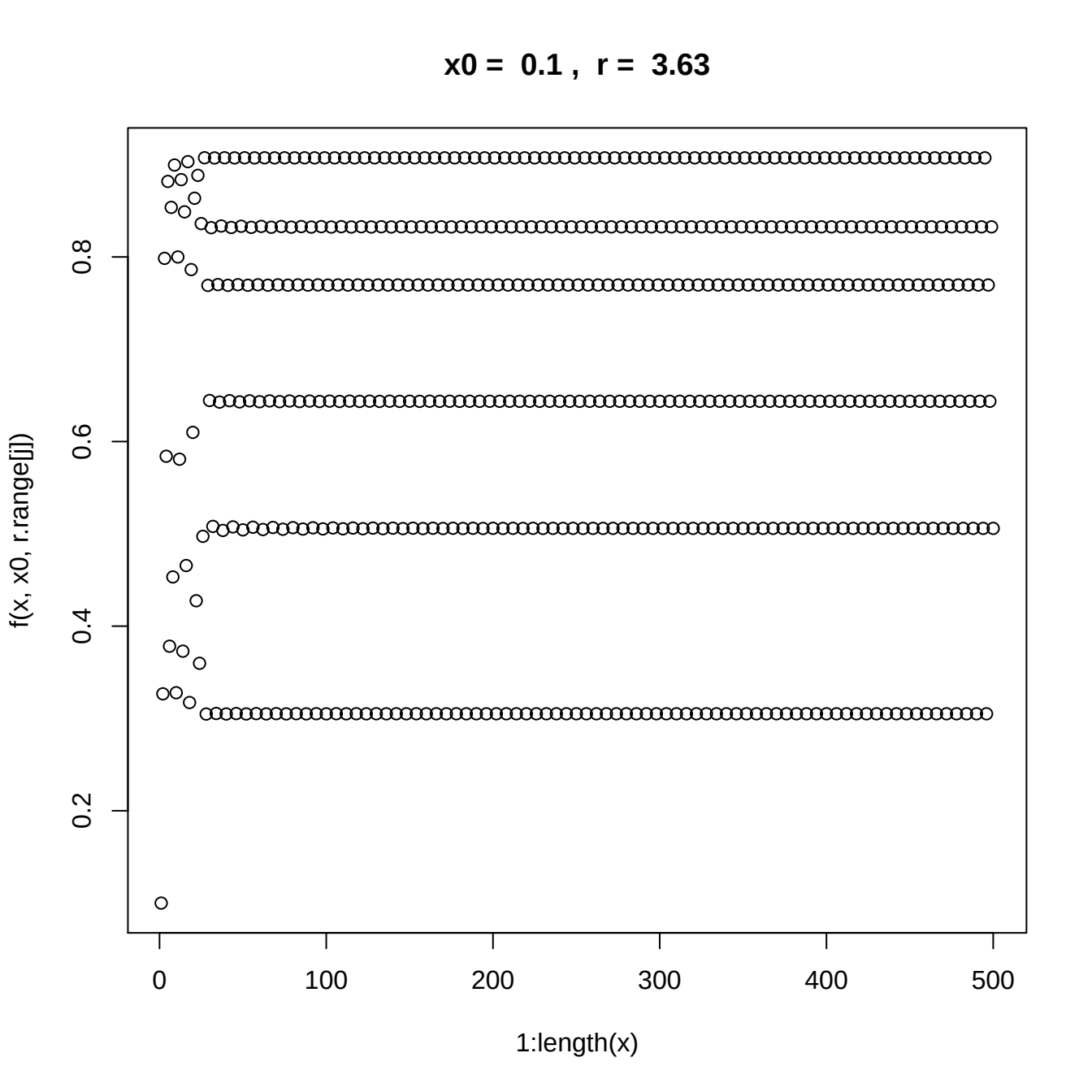

x0 = 0.1 , r = 3.62
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

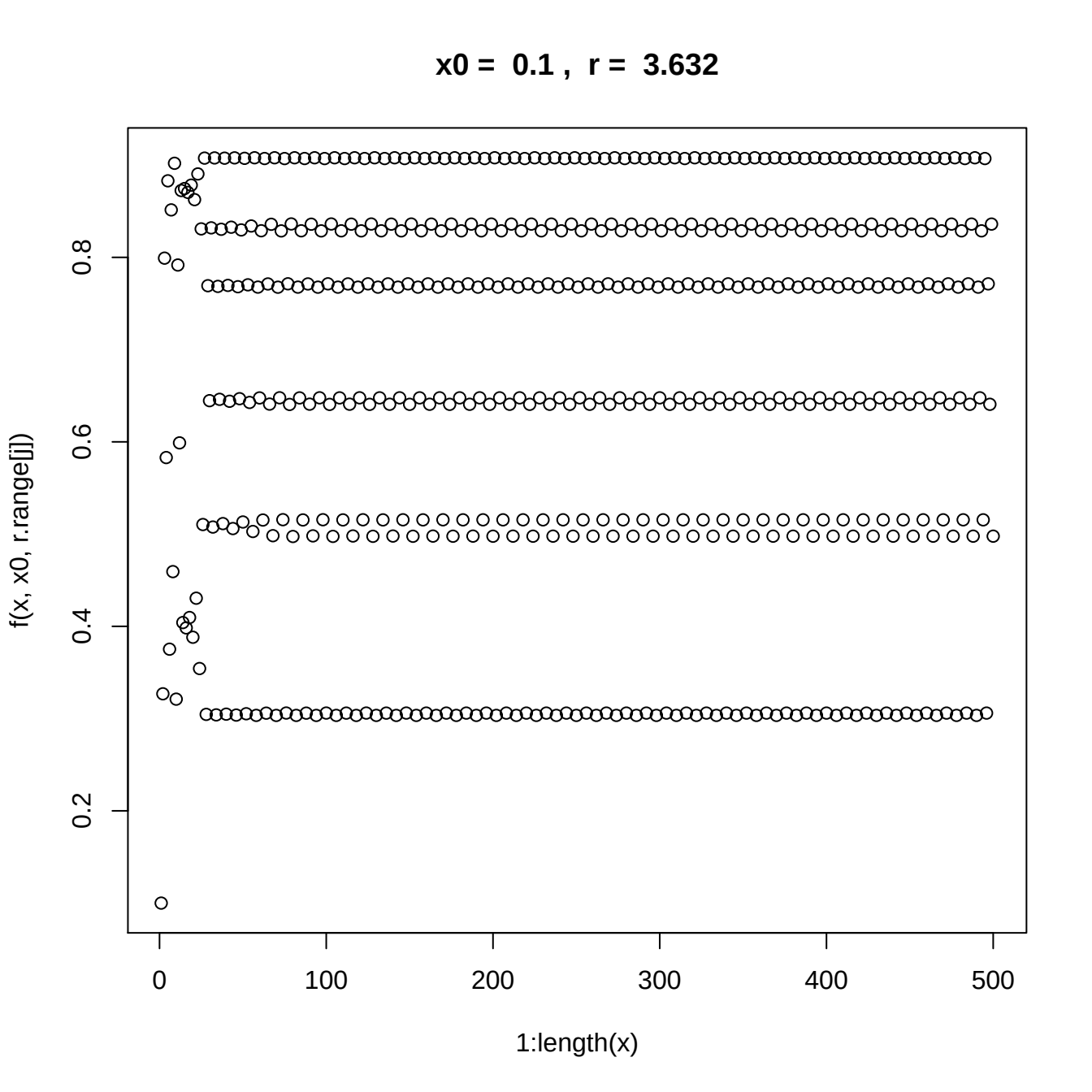

x0 = 0.1 , r = 3.622
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

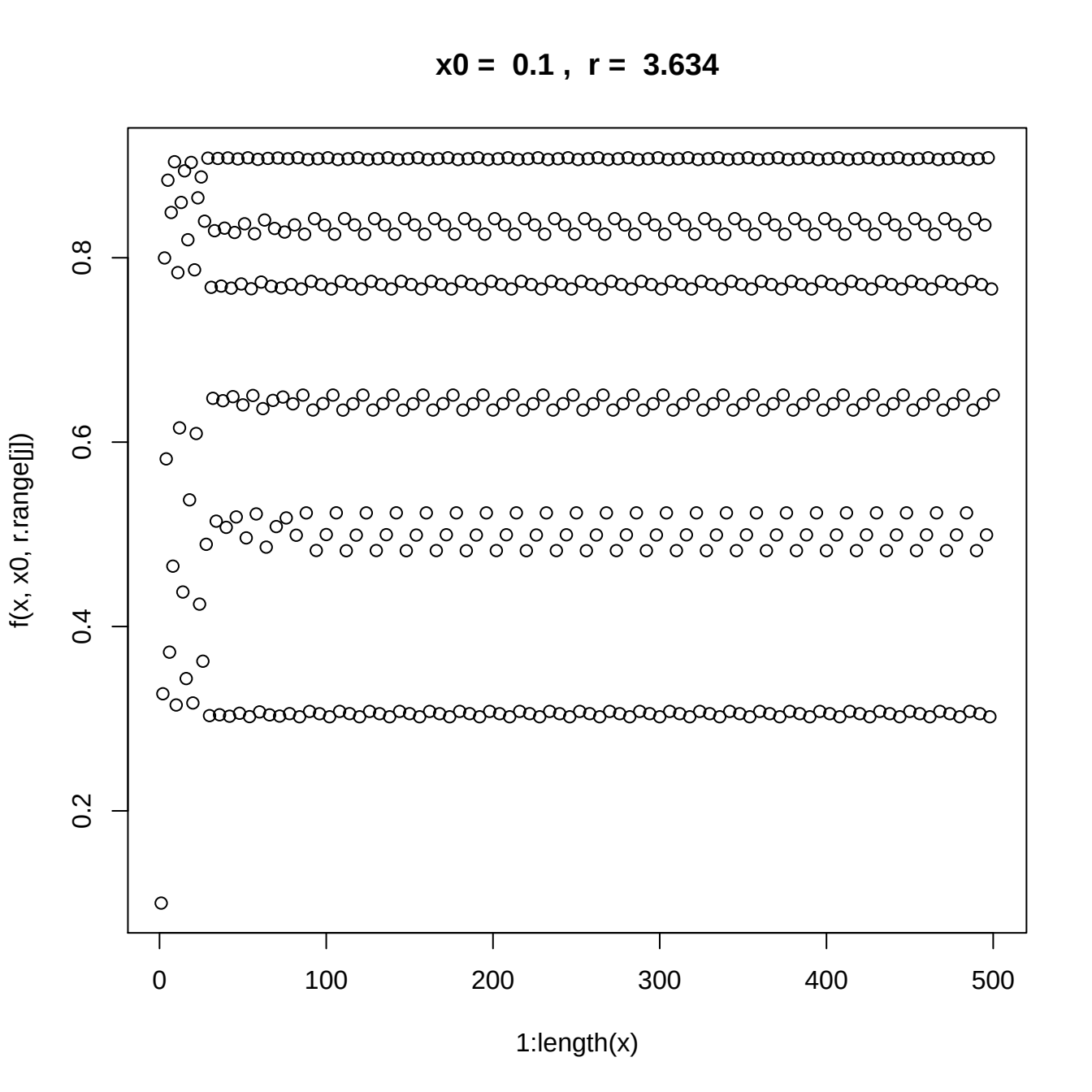

x0 = 0.1 , r = 3.624
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

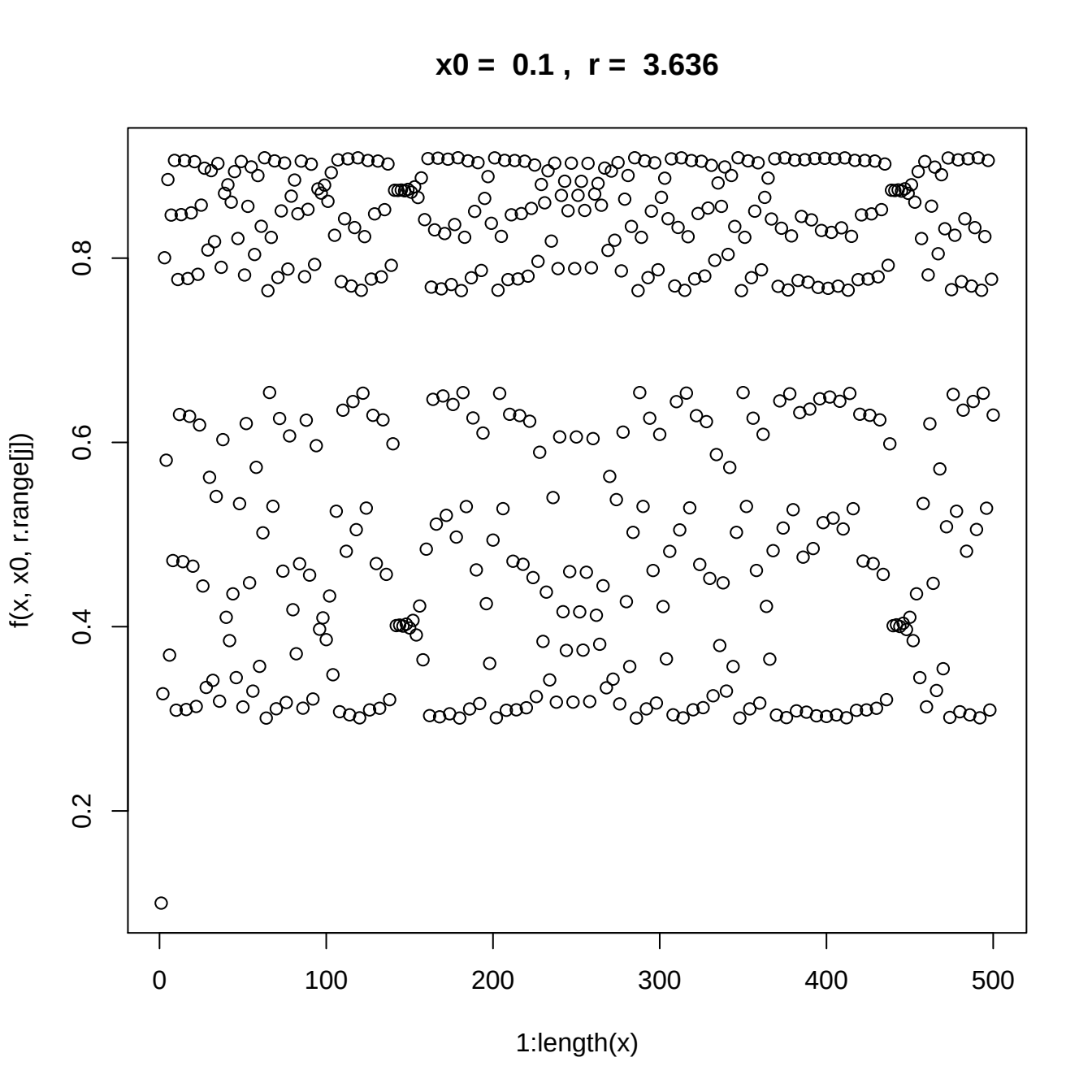

x0 = 0.1 , r = 3.626
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

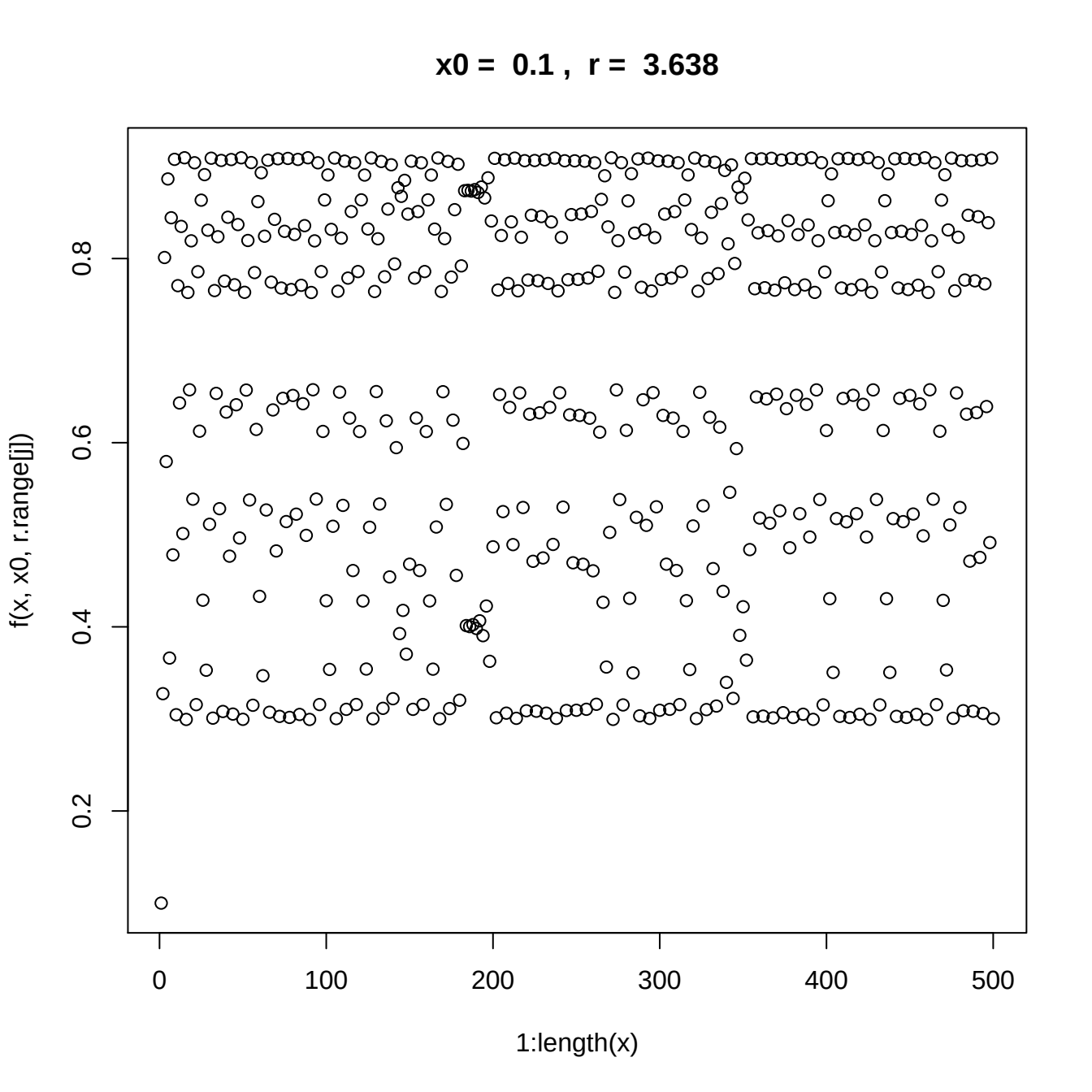

x0 = 0.1 , r = 3.628
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

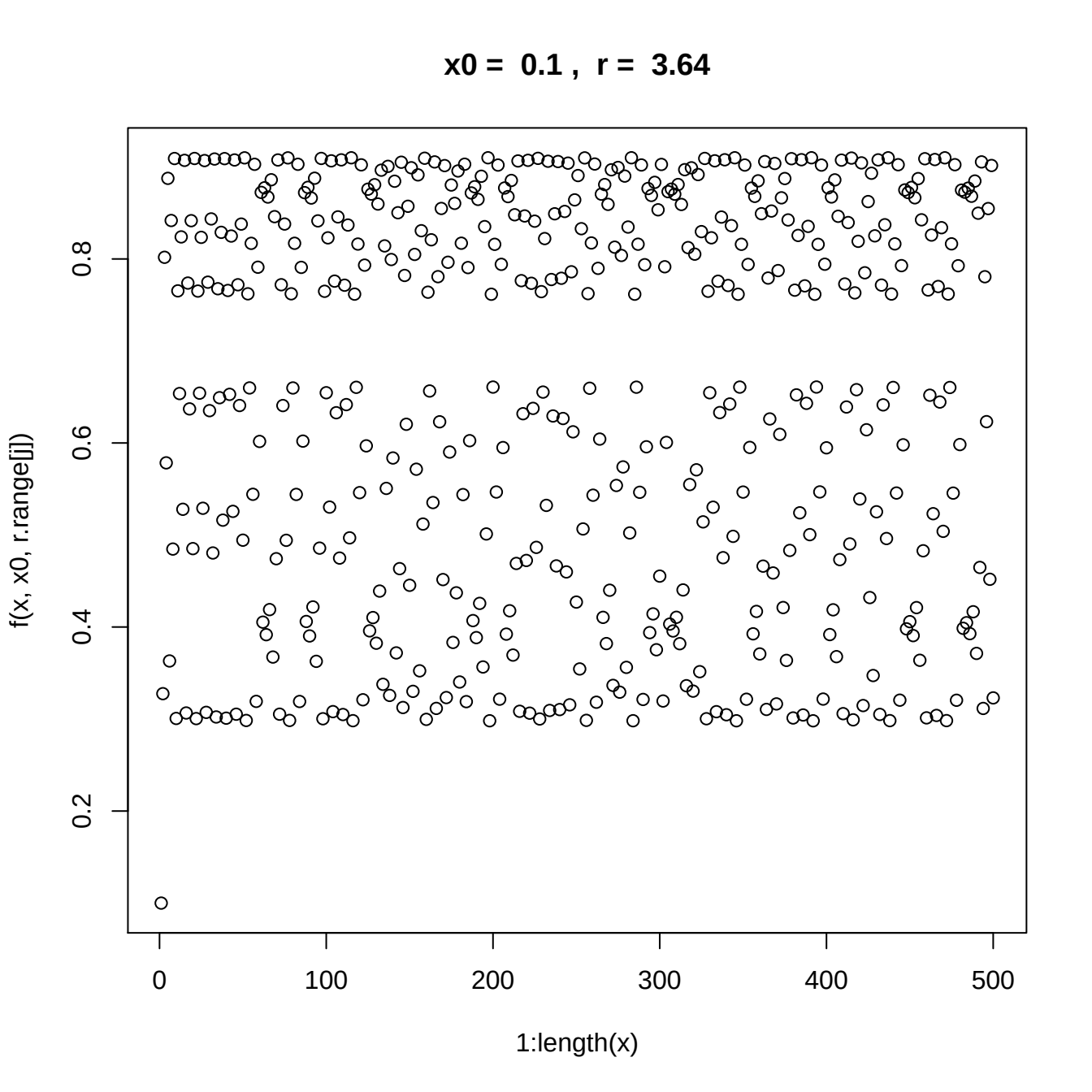

x0 = 0.1 , r = 3.63
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

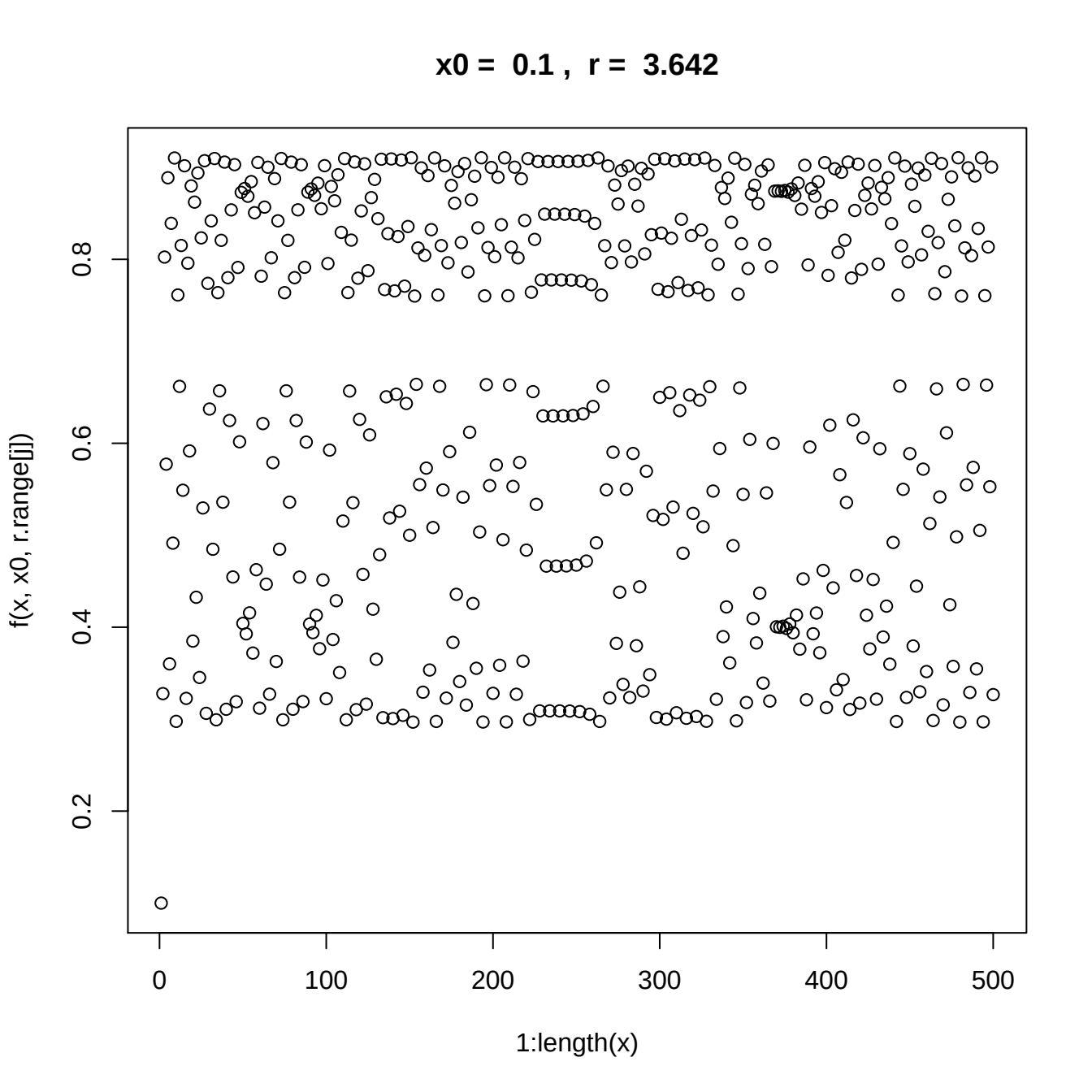

x0 = 0.1 , r = 3.632
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

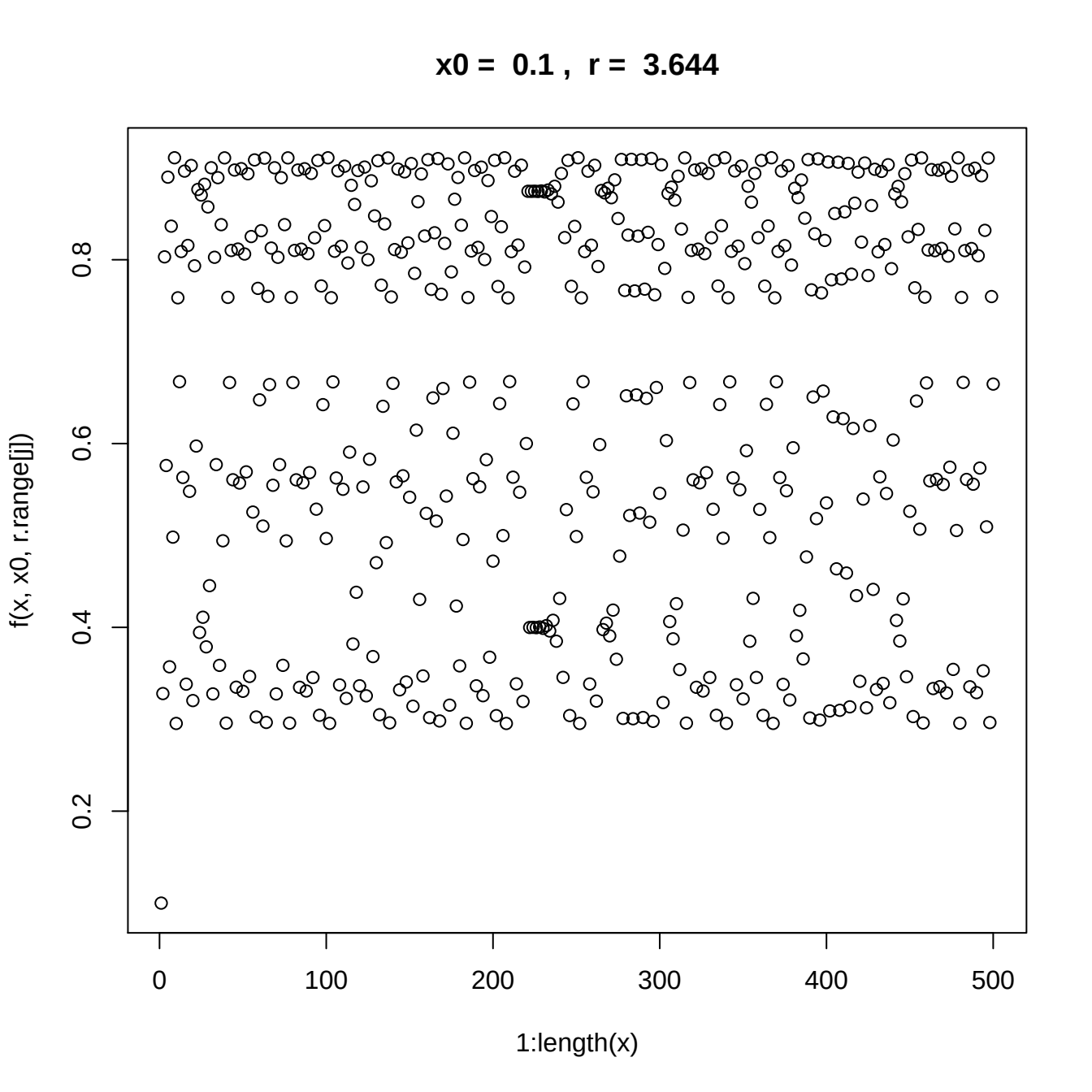

x0 = 0.1 , r = 3.634
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

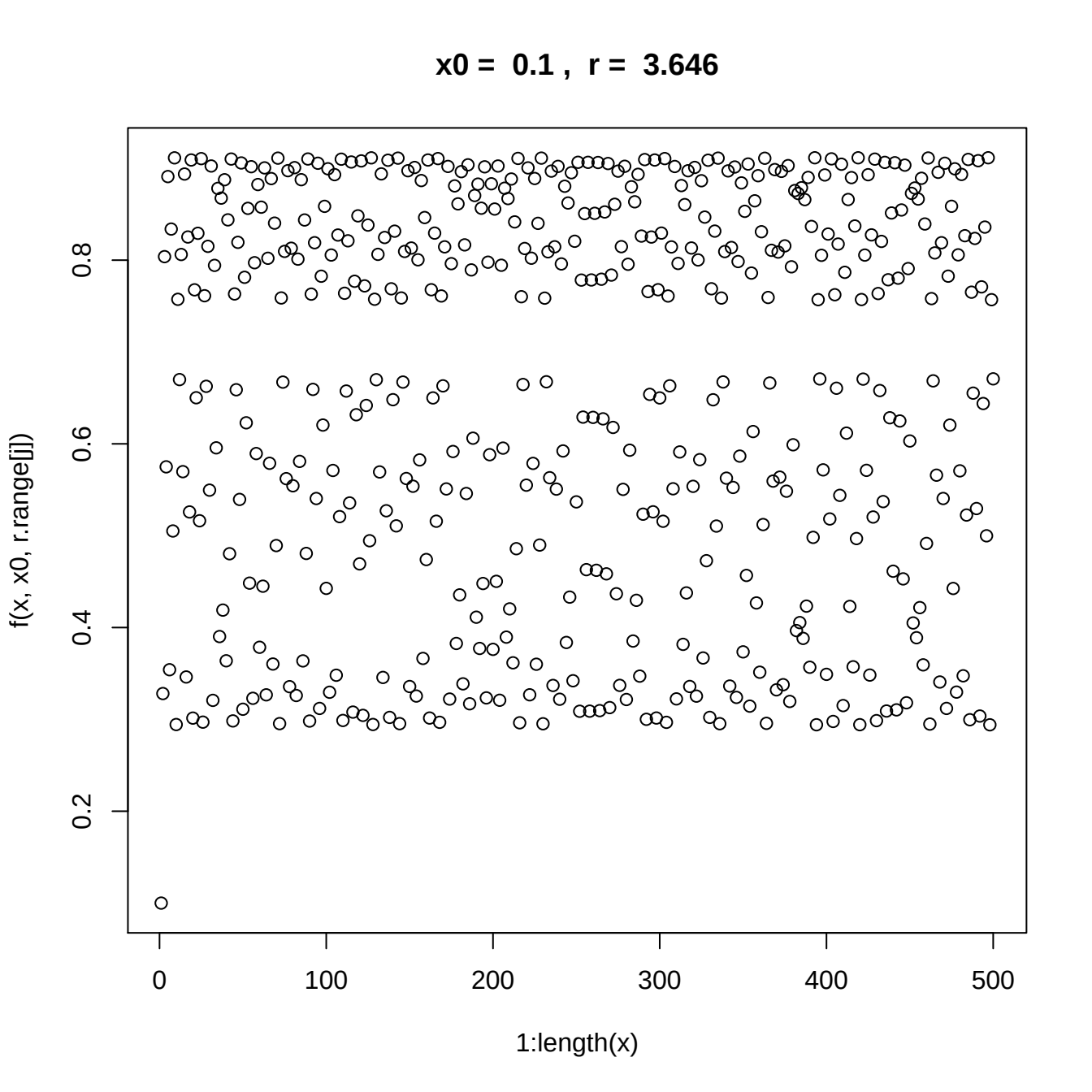

x0 = 0.1 , r = 3.636
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

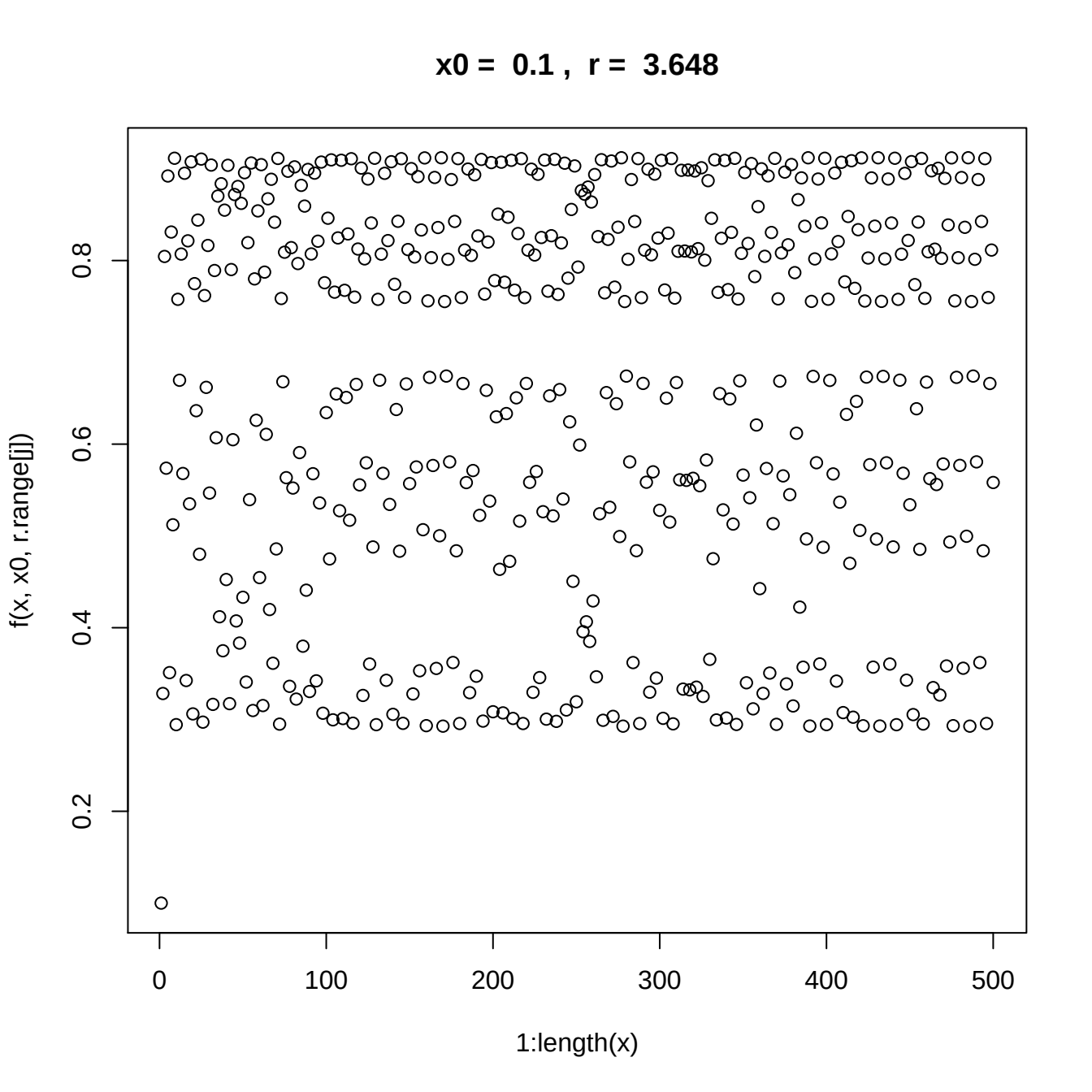

x0 = 0.1 , r = 3.638
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

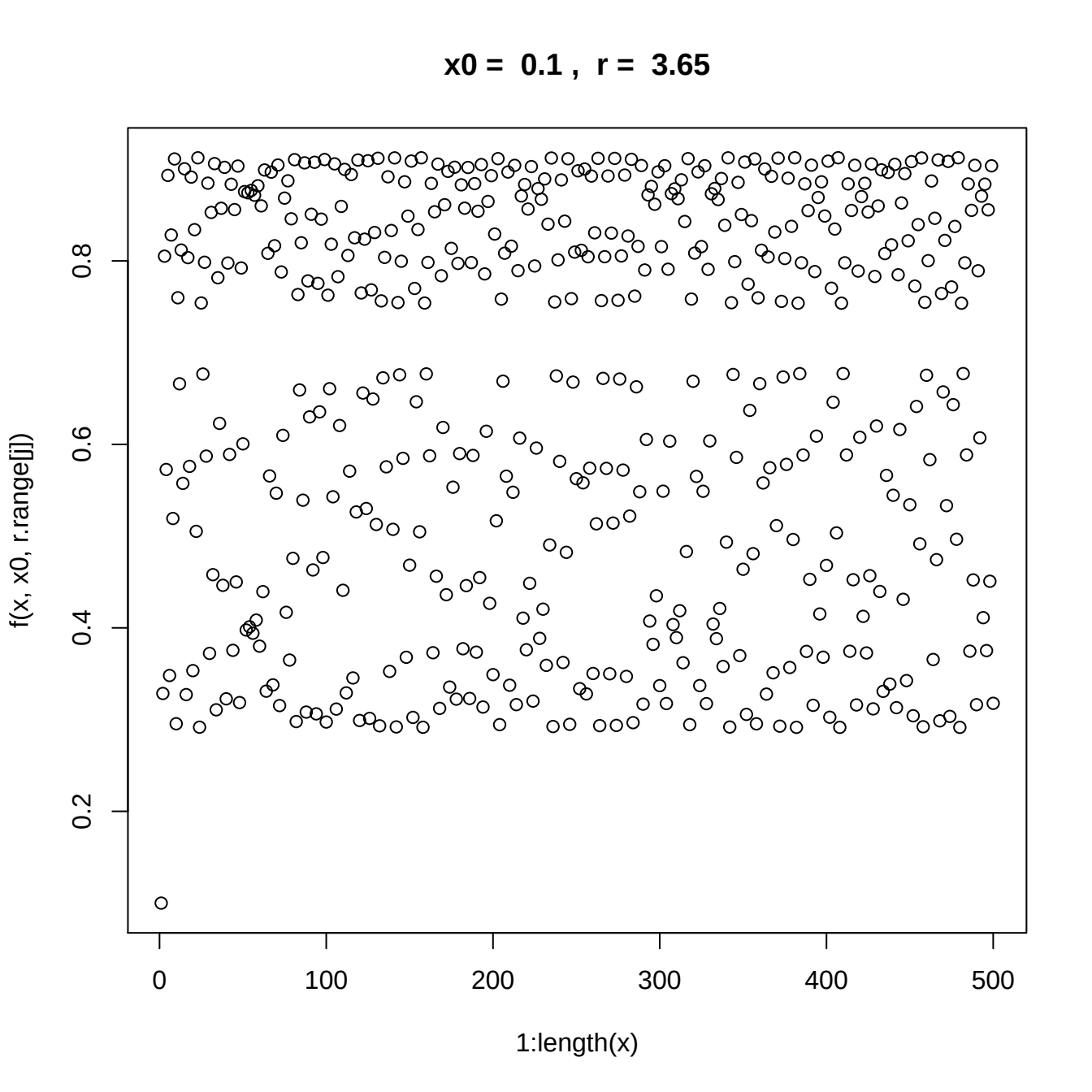

x0 = 0.1 , r = 3.64
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

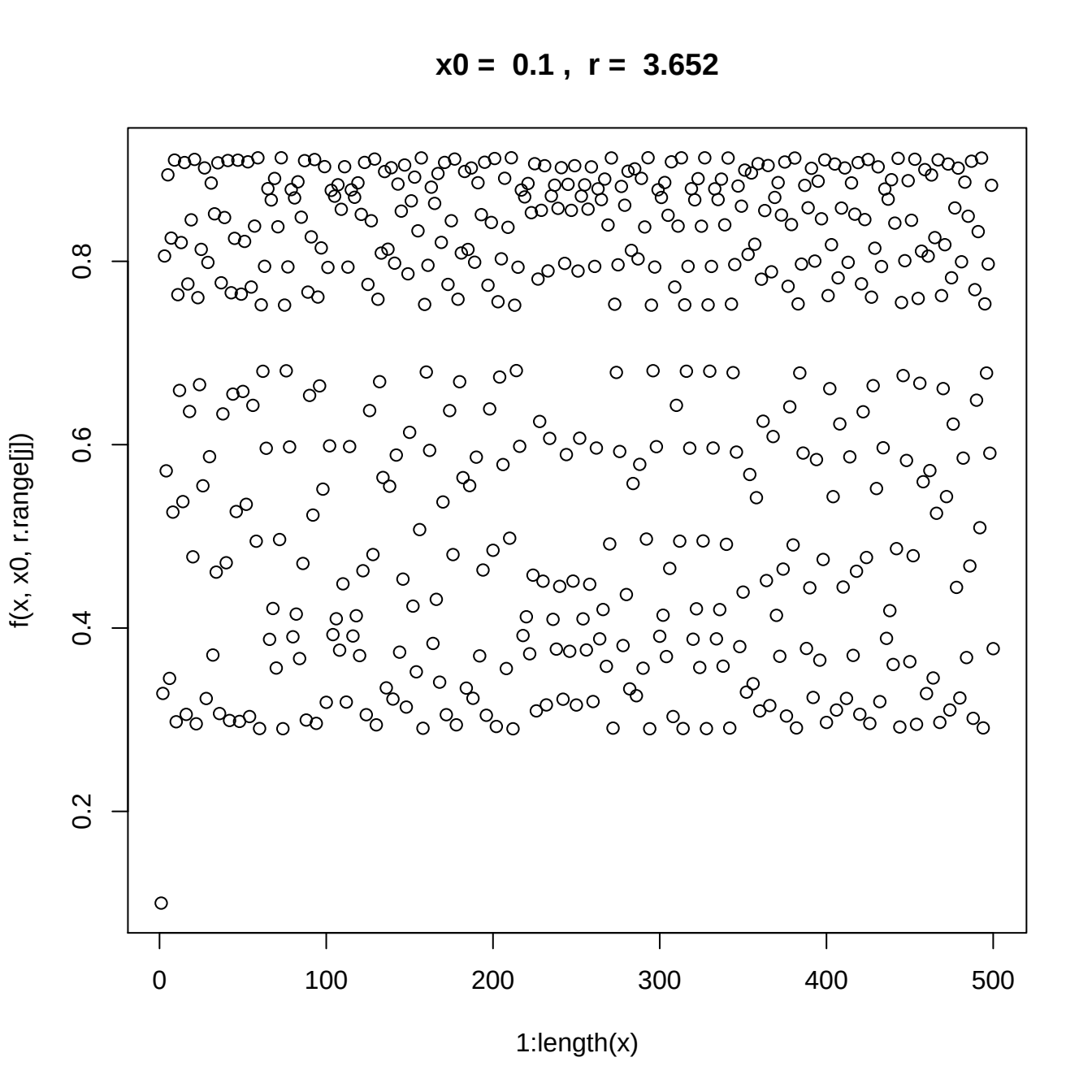

x0 = 0.1 , r = 3.642
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

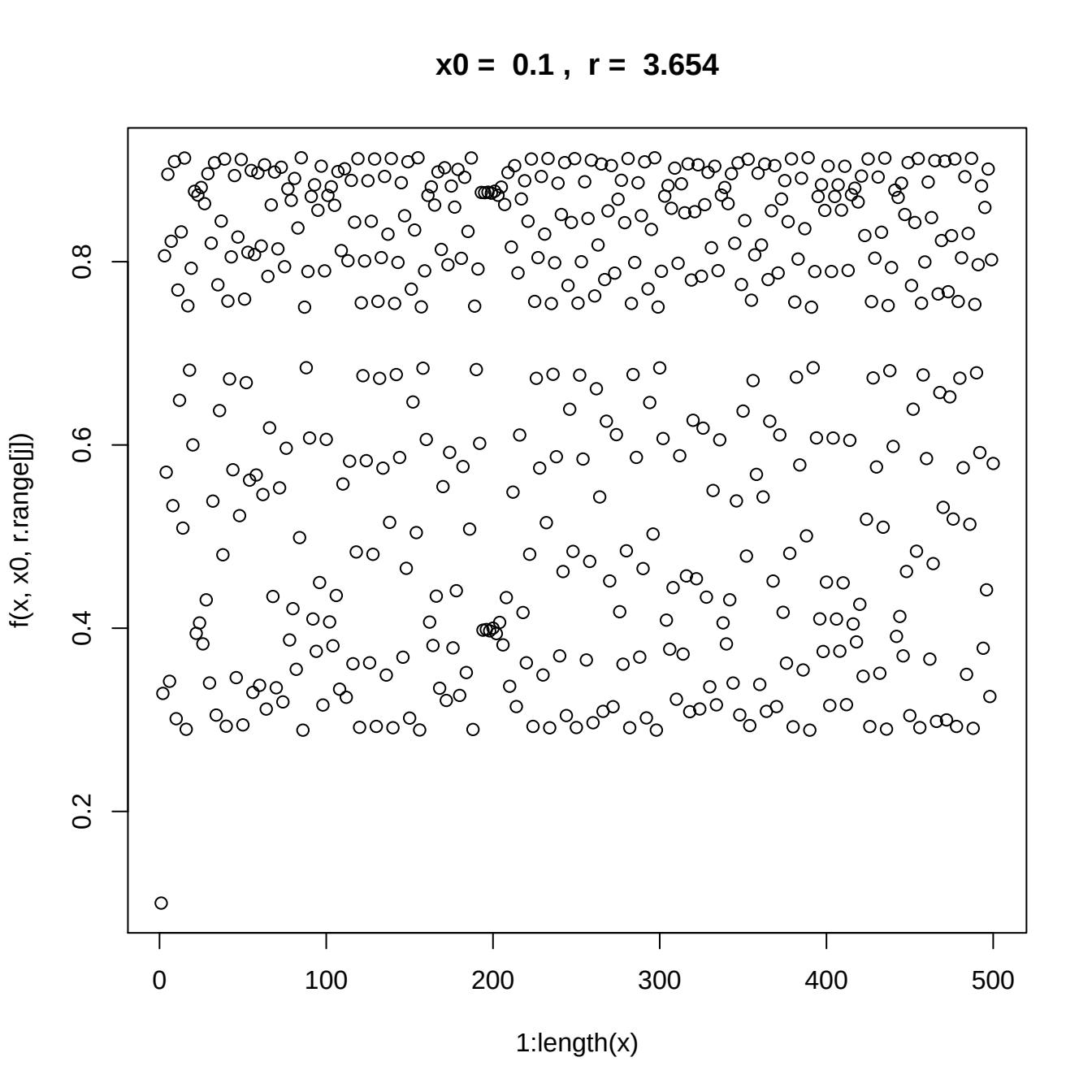

x0 = 0.1 , r = 3.644
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

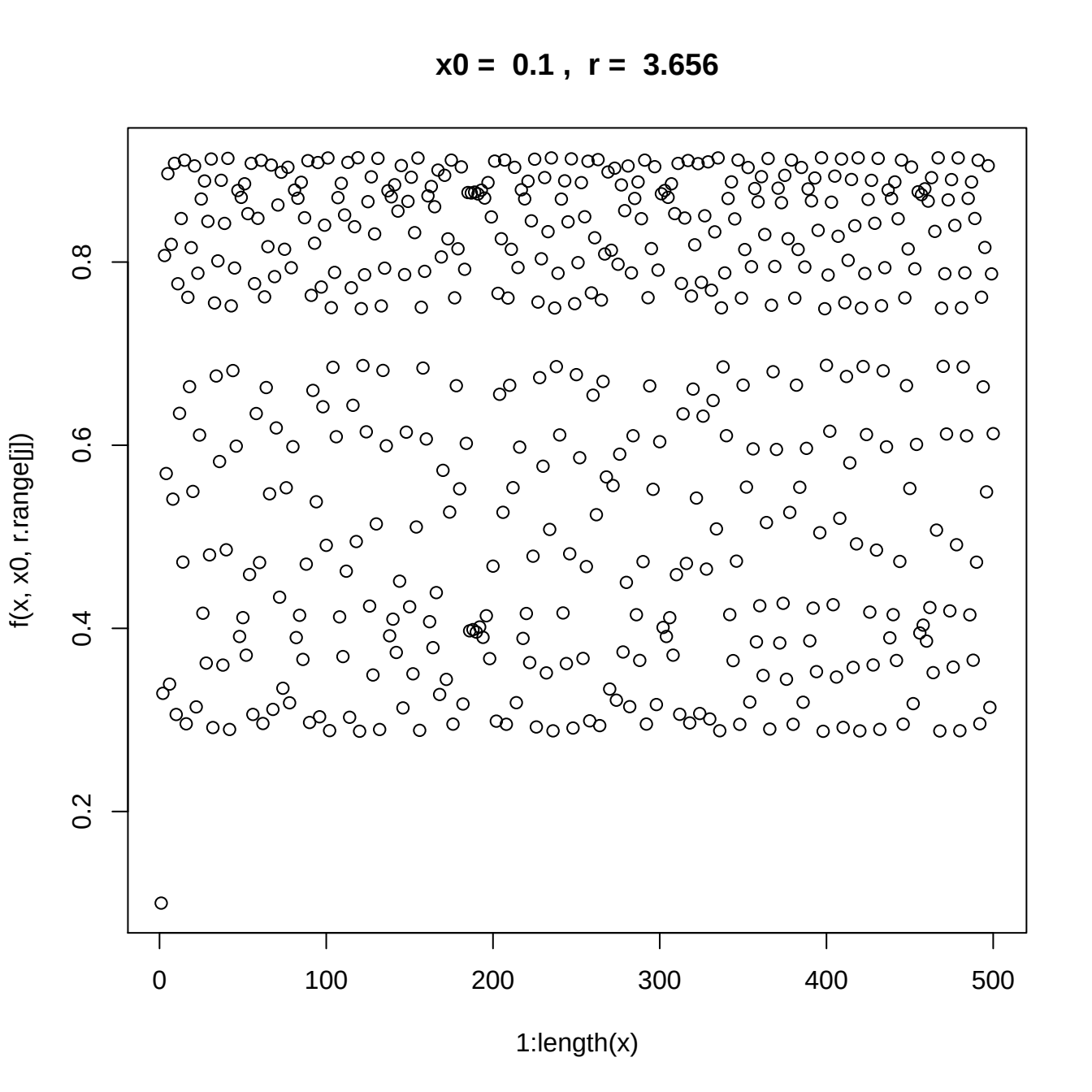

x0 = 0.1 , r = 3.646
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

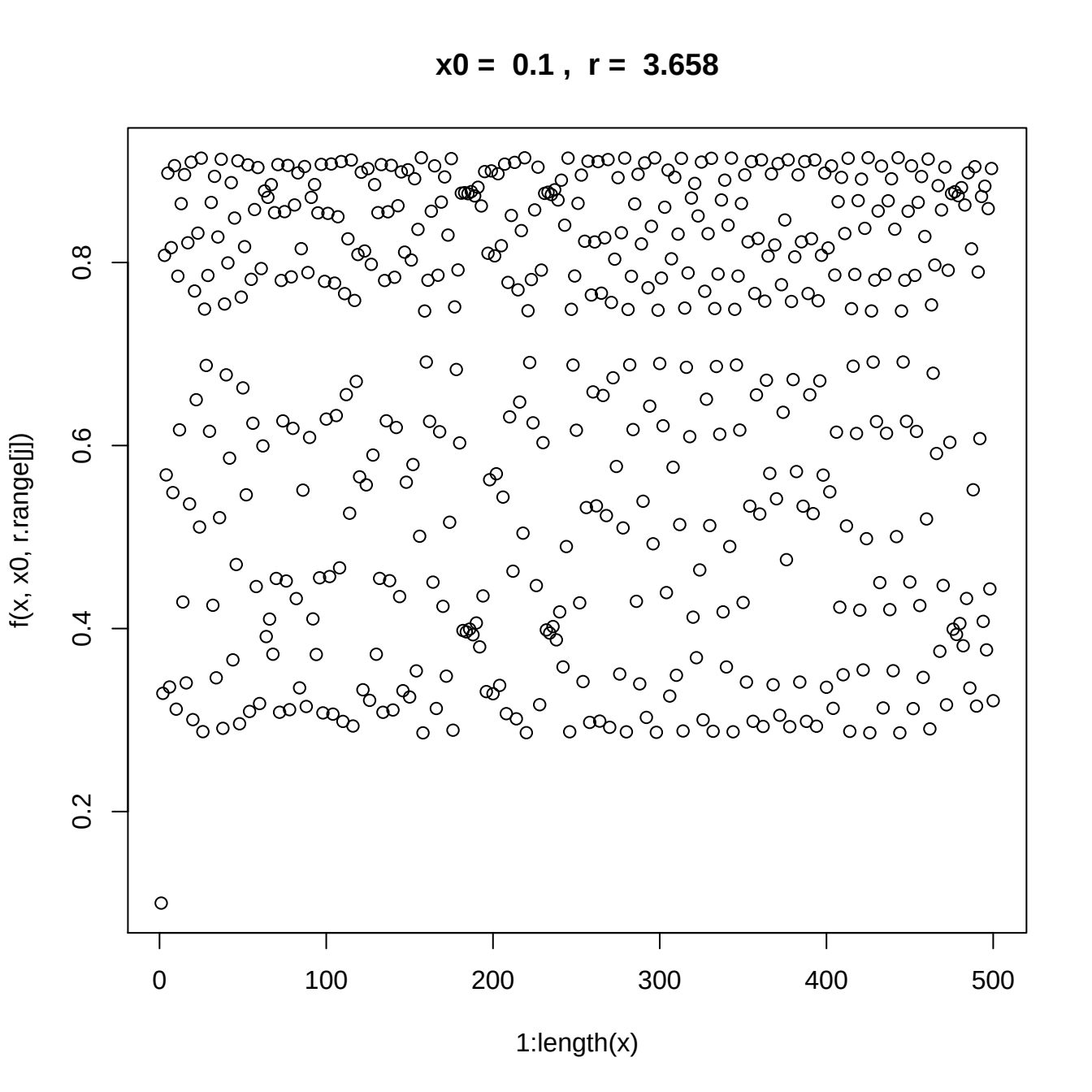

x0 = 0.1 , r = 3.648
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

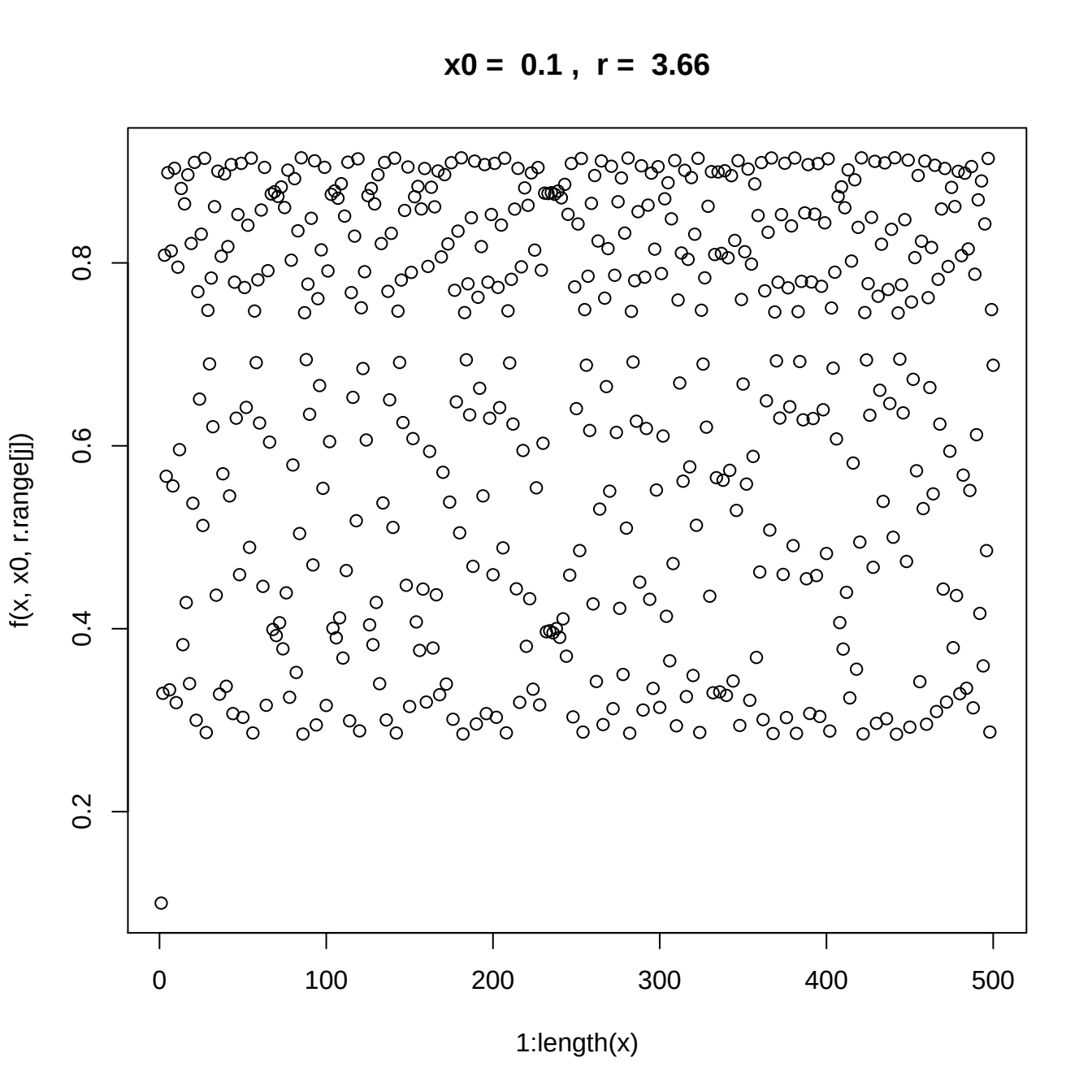

x0 = 0.1 , r = 3.65
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

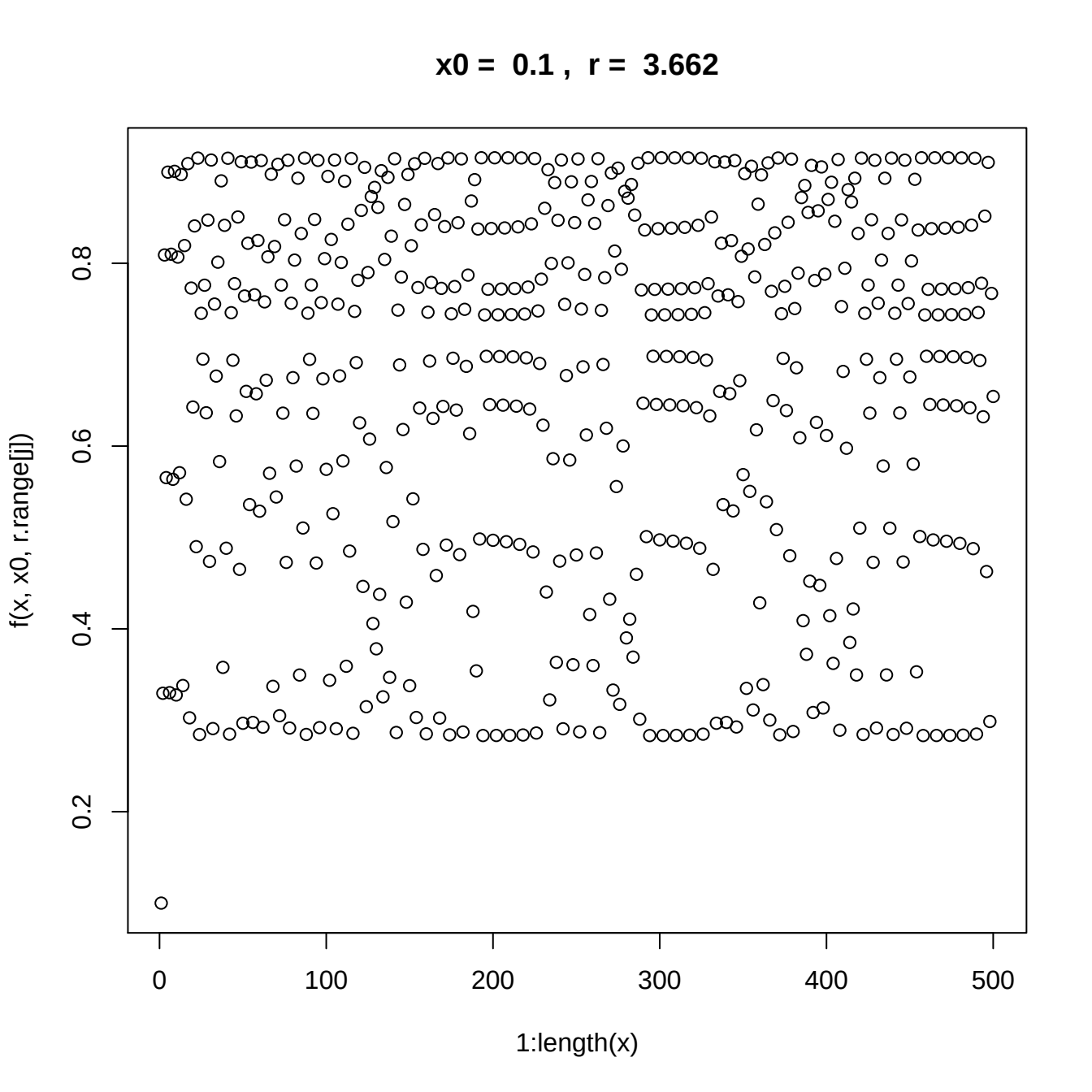

x0 = 0.1 , r = 3.652
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

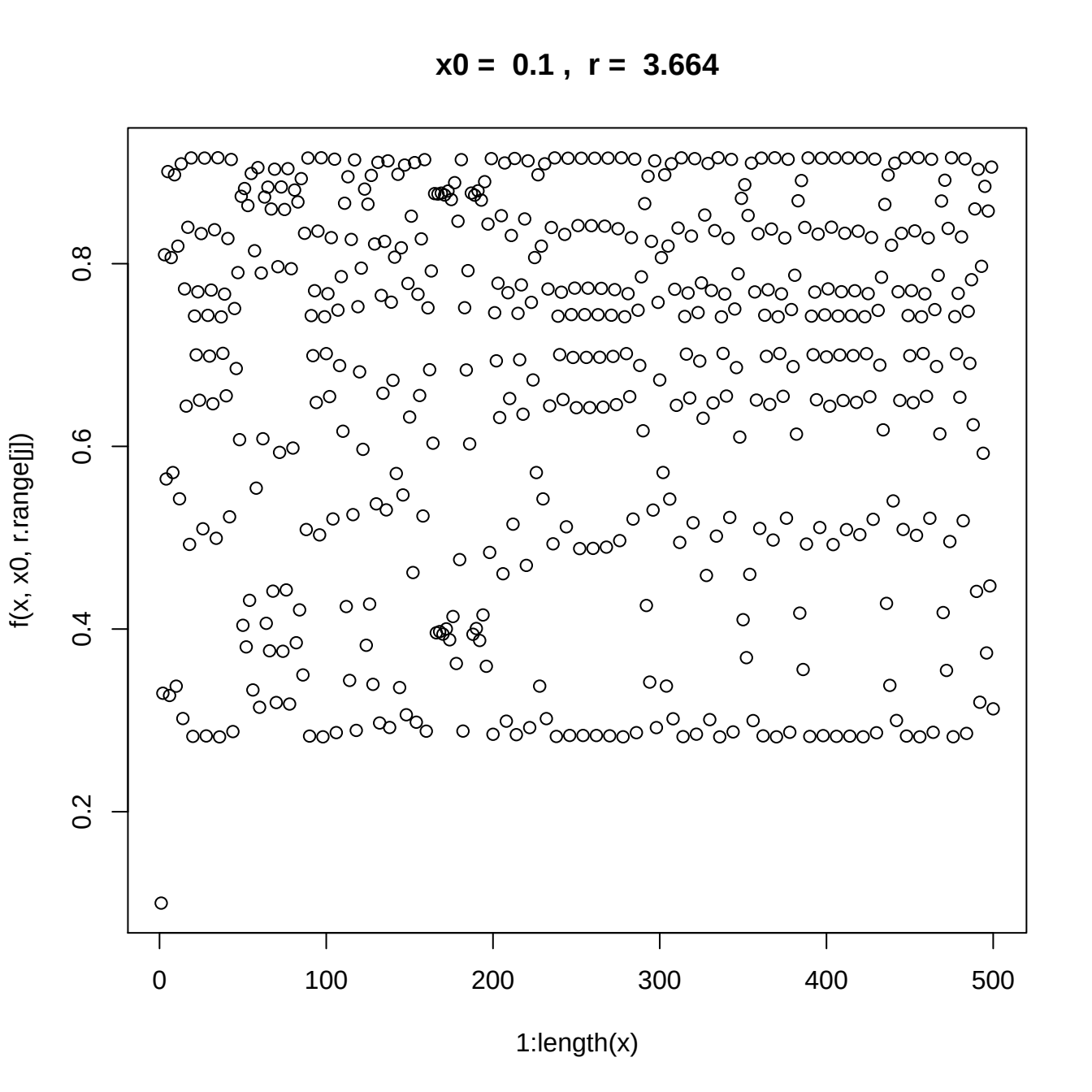

x0 = 0.1 , r = 3.654
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

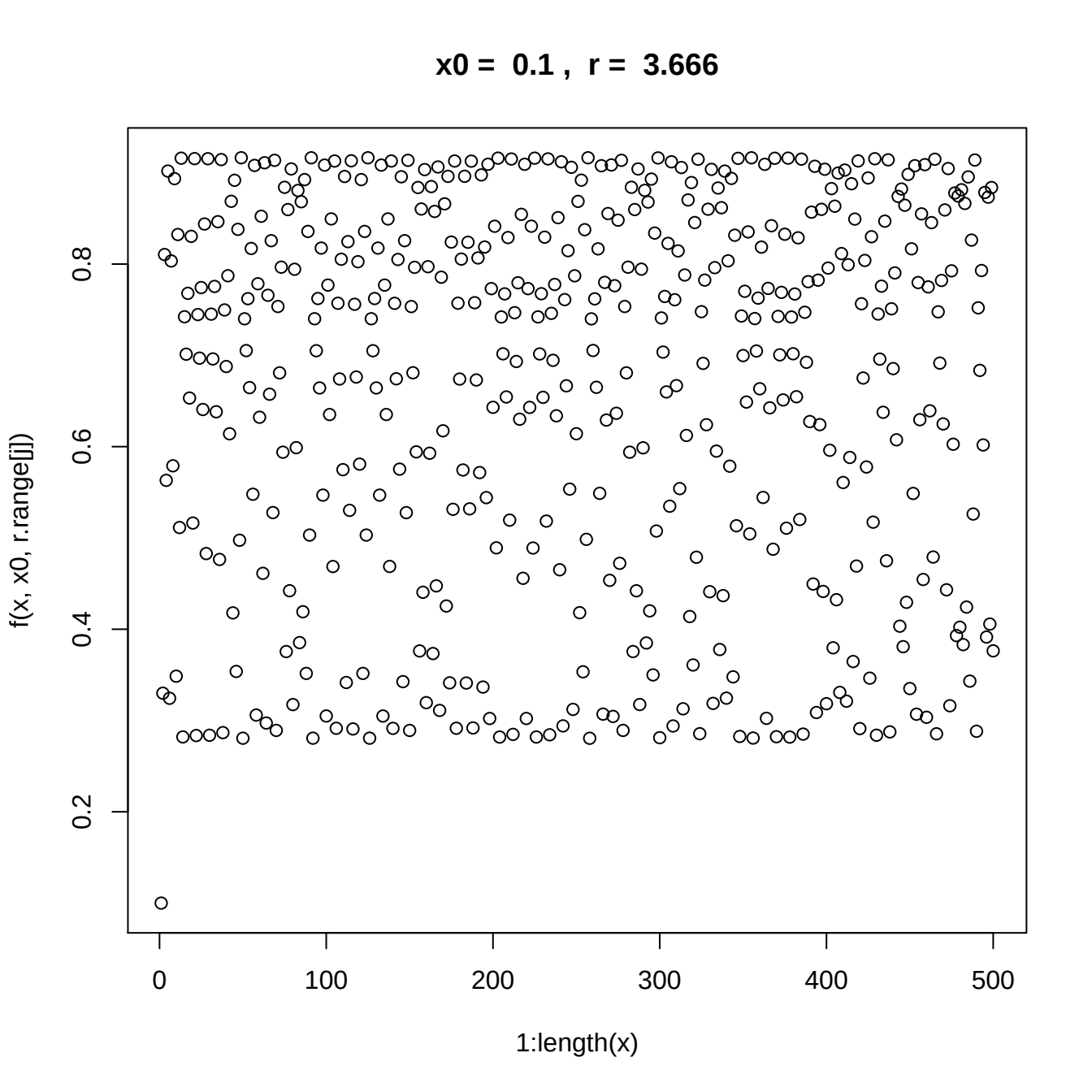

x0 = 0.1 , r = 3.656
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

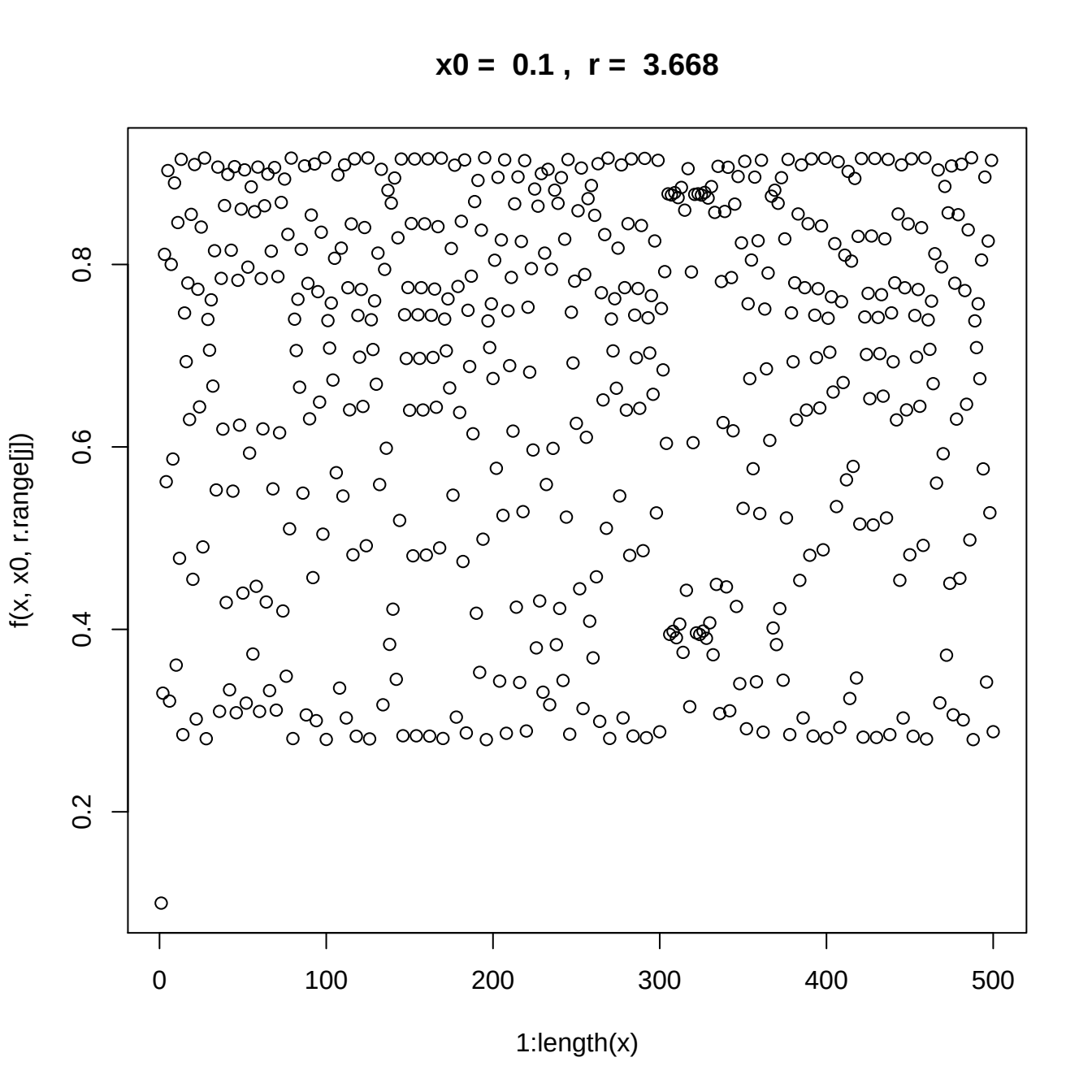

x0 = 0.1 , r = 3.658
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

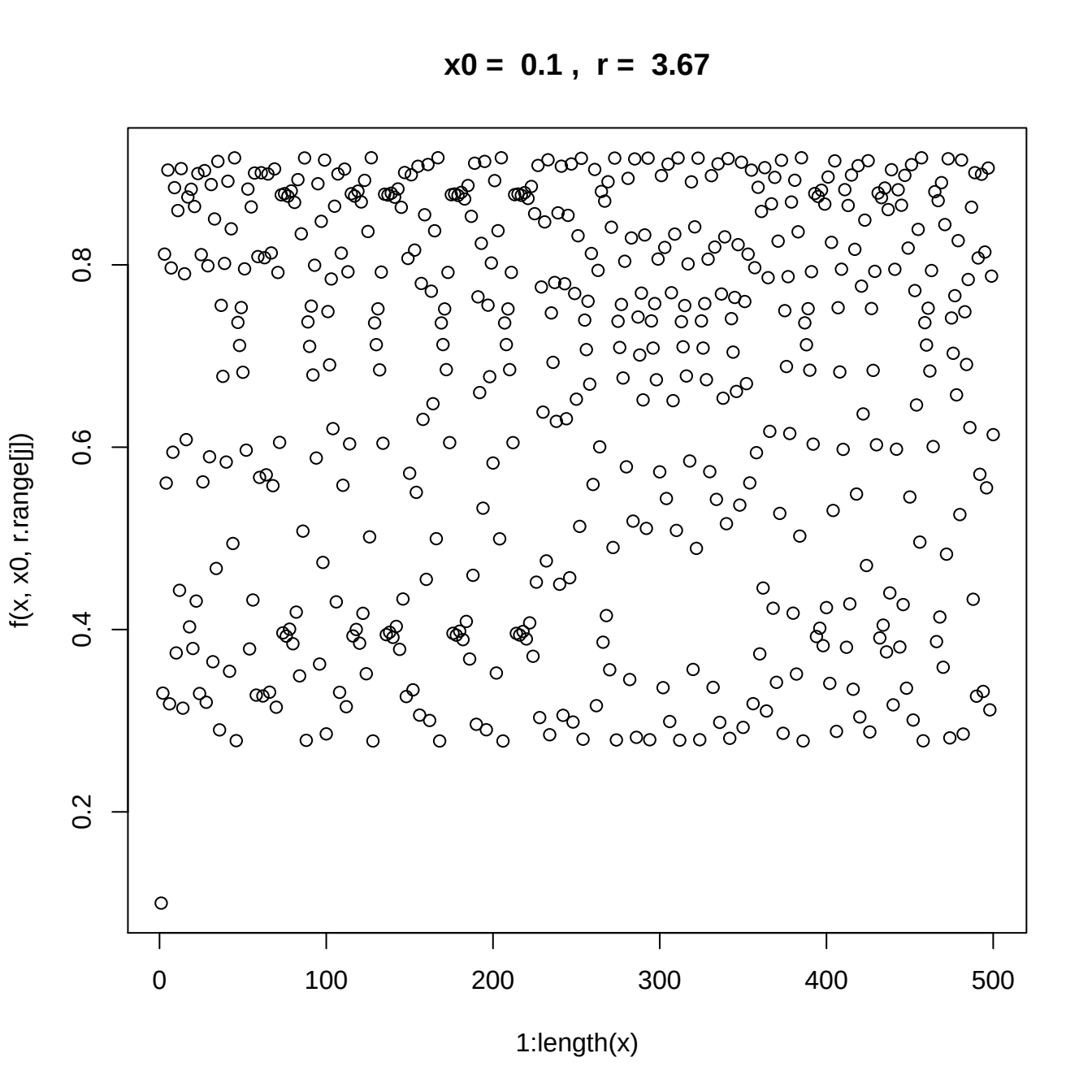

x0 = 0.1 , r = 3.66
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

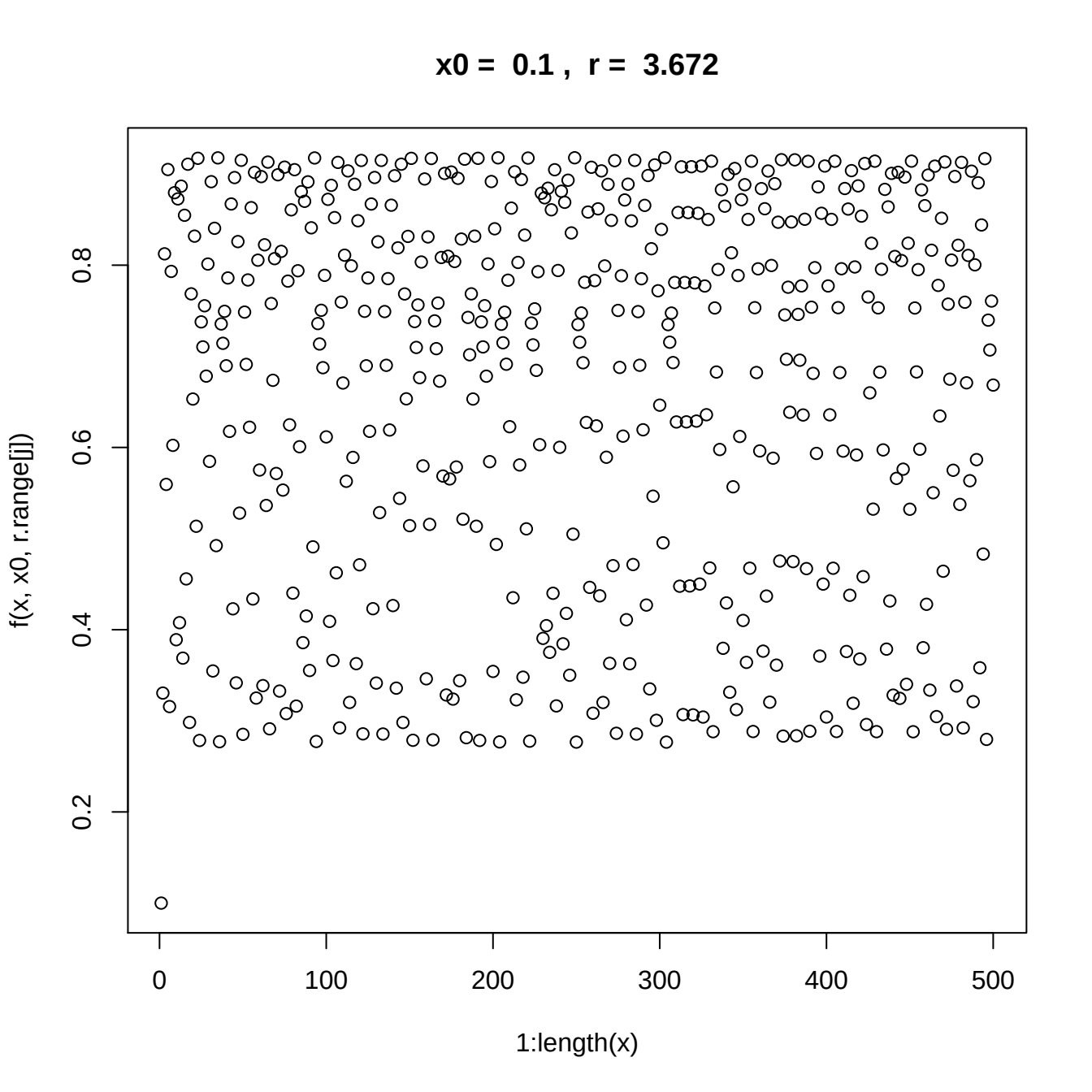

x0 = 0.1 , r = 3.662
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

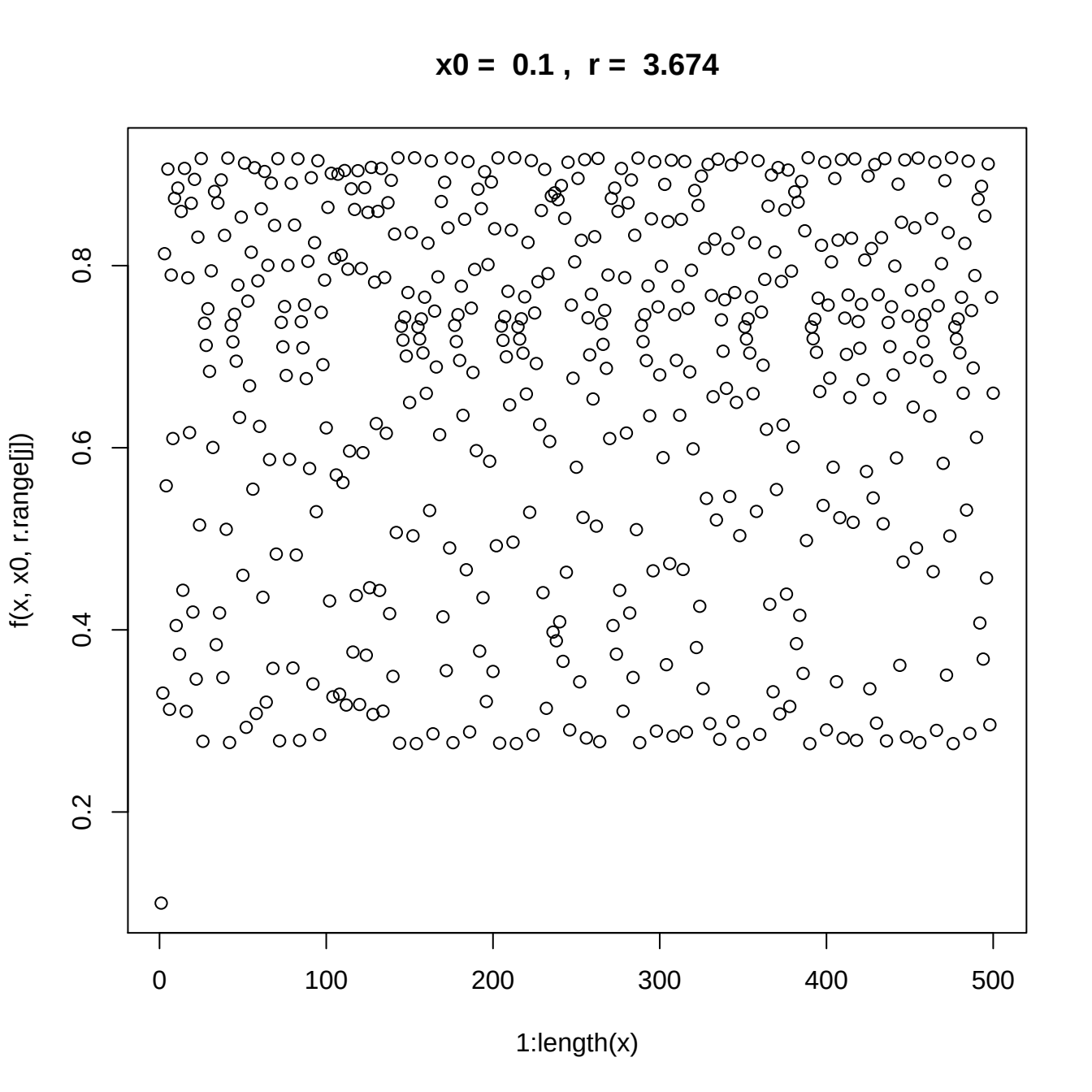

x0 = 0.1 , r = 3.664
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

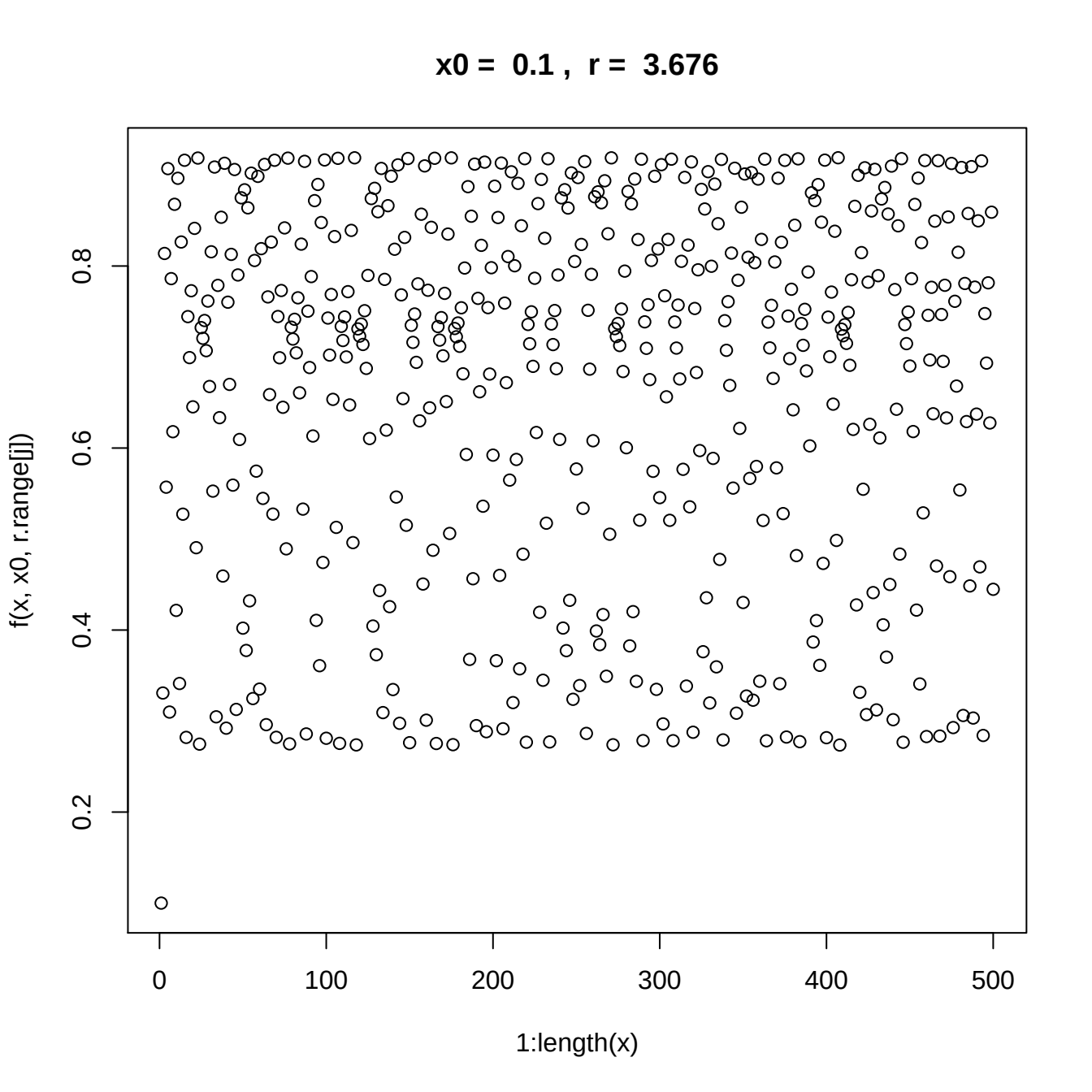

x0 = 0.1 , r = 3.666
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

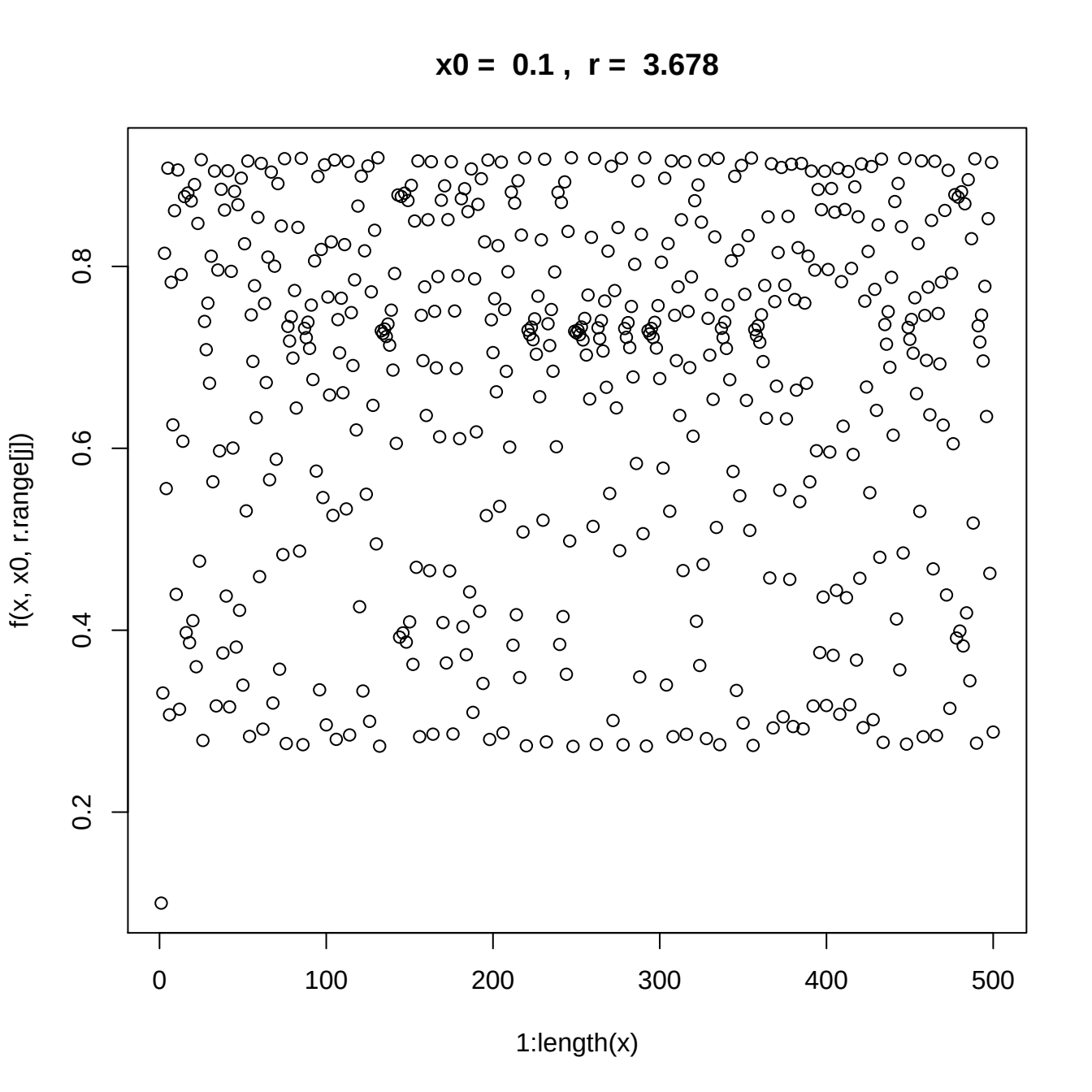

x0 = 0.1 , r = 3.668
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

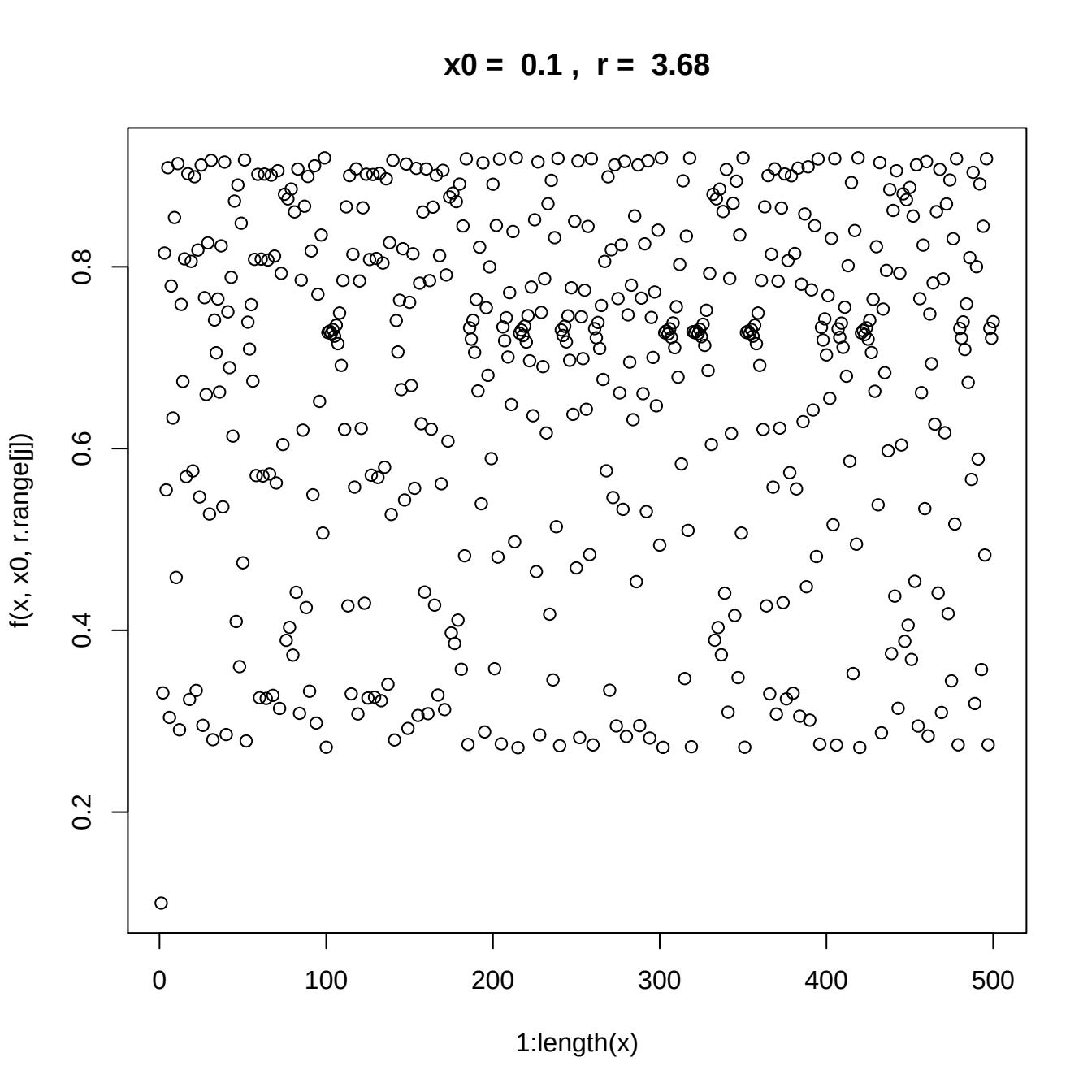

x0 = 0.1 , r = 3.67
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

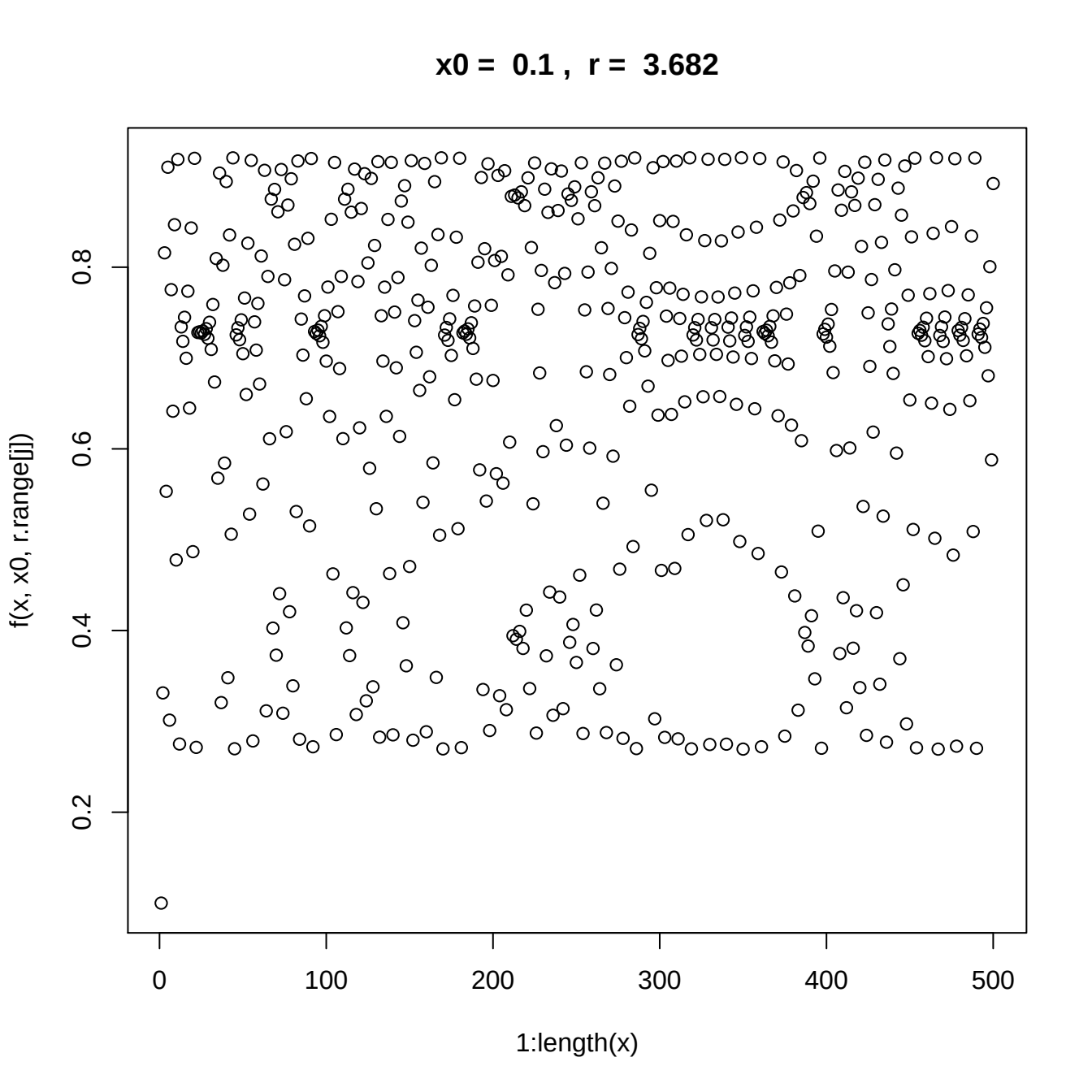

x0 = 0.1 , r = 3.672
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

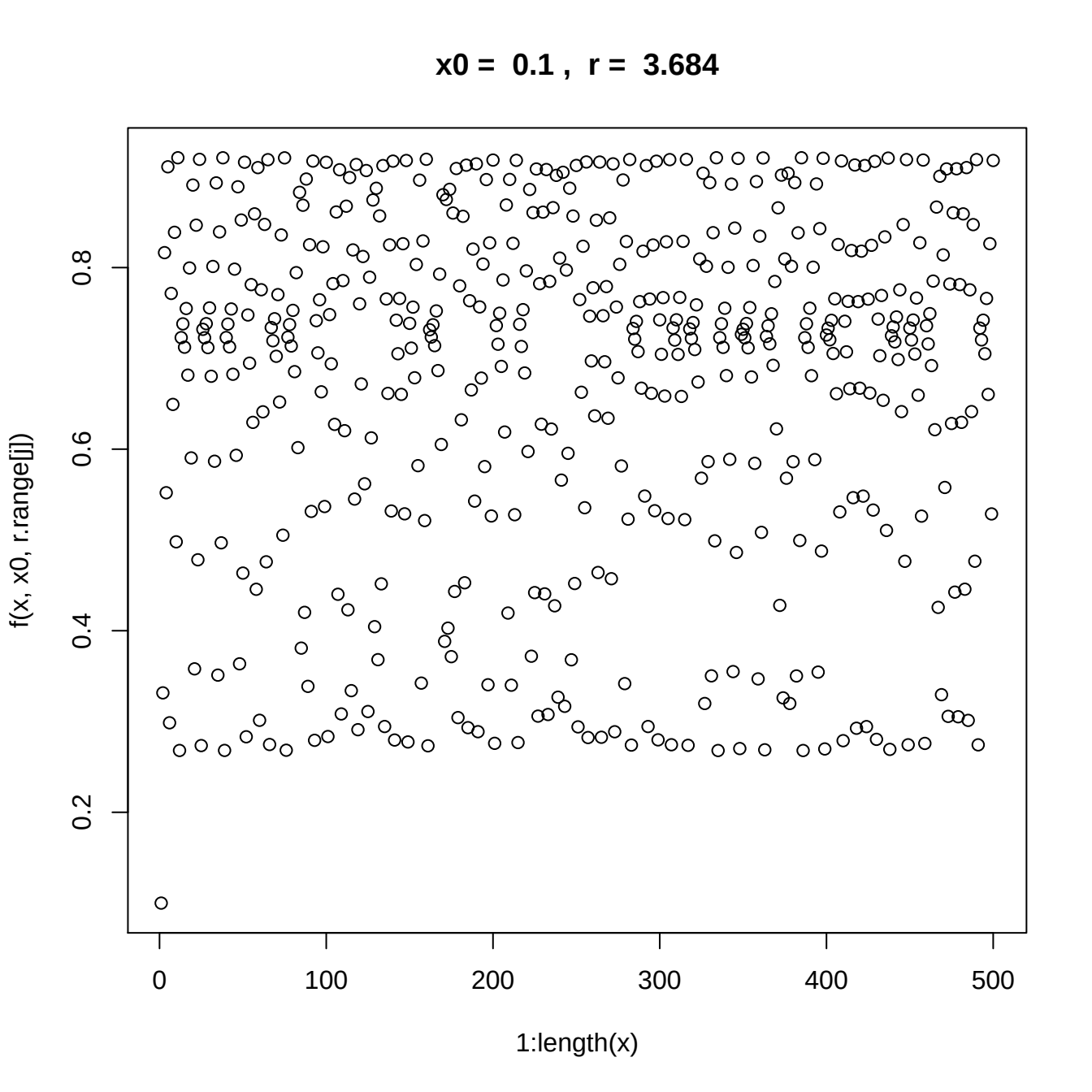

x0 = 0.1 , r = 3.674
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

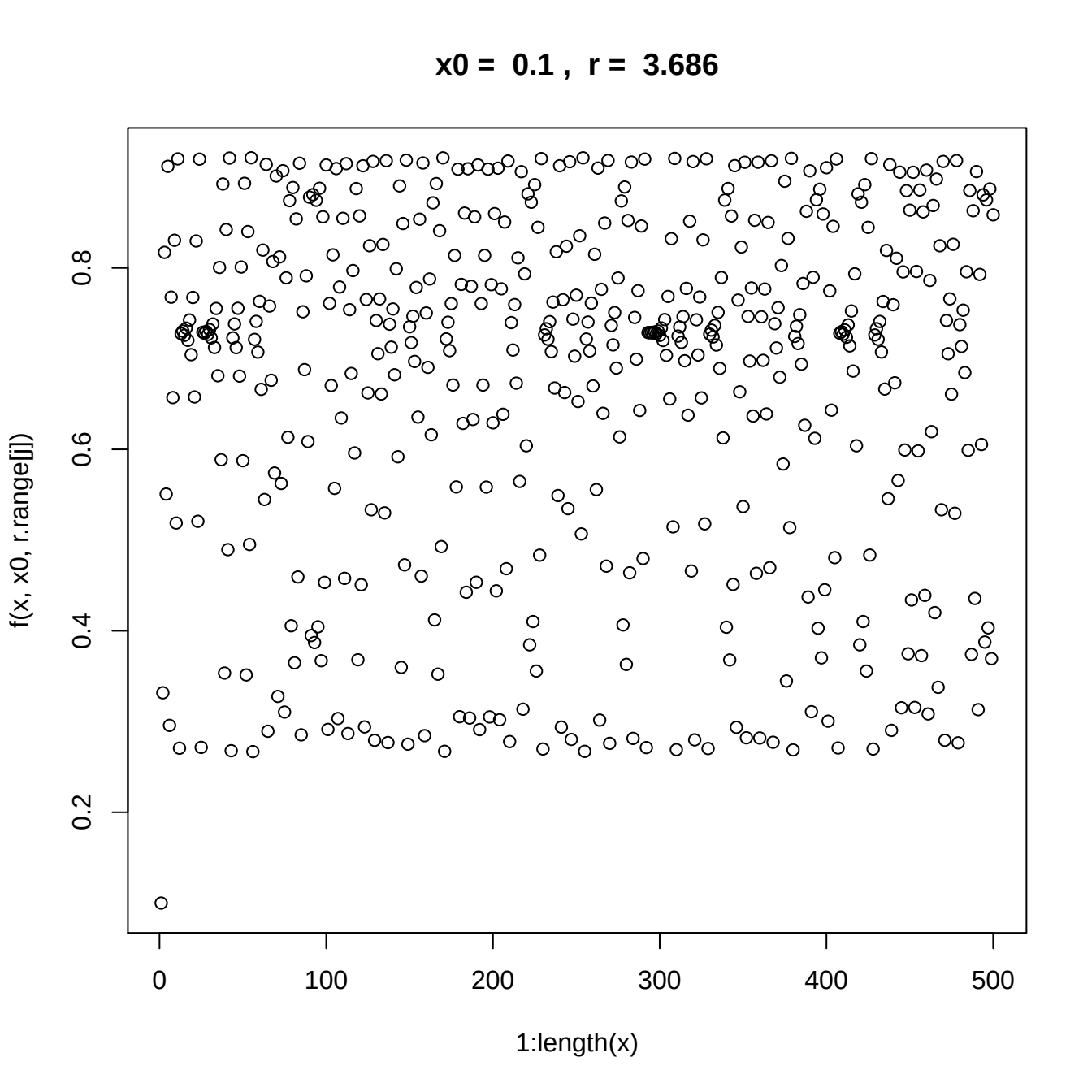

x0 = 0.1 , r = 3.676
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

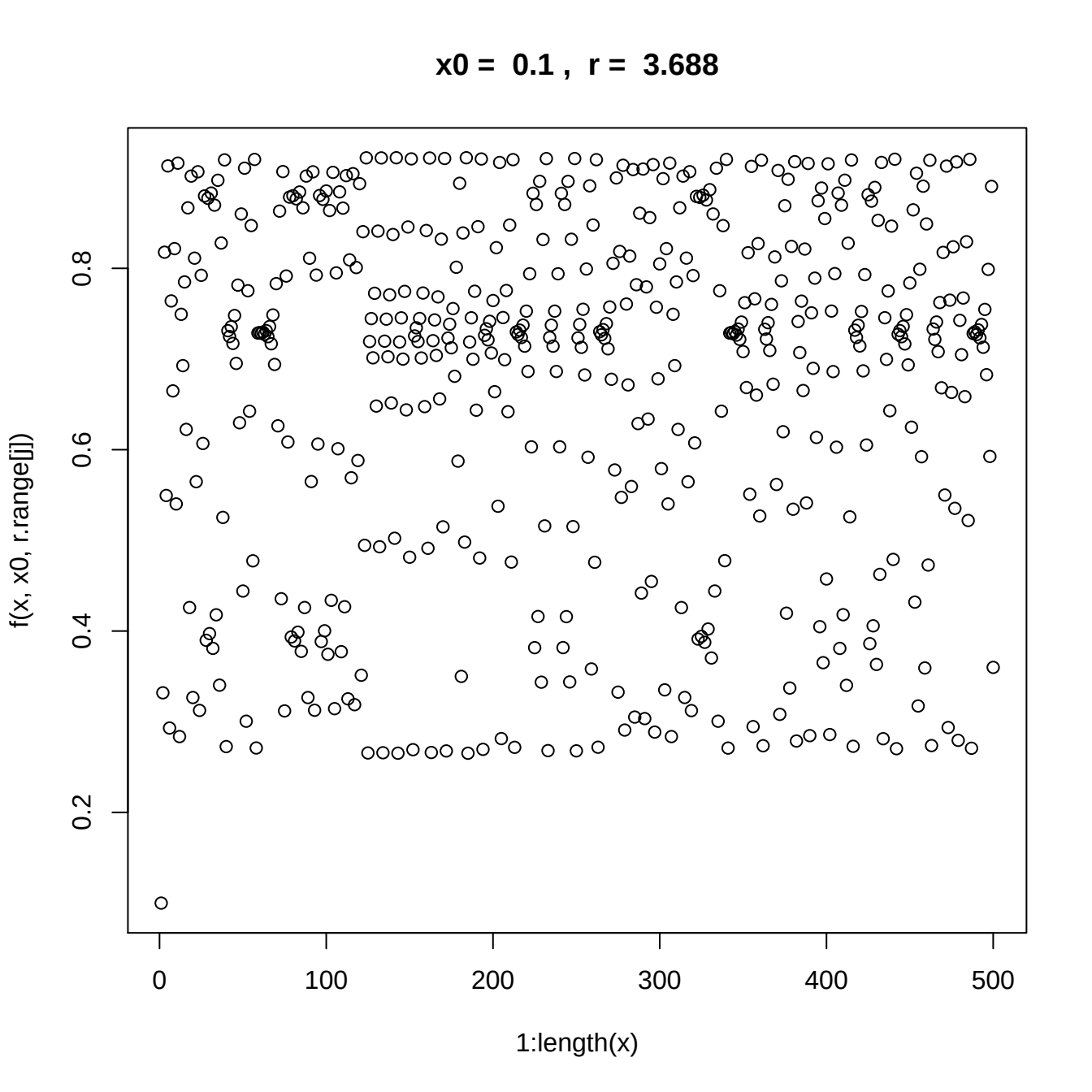

x0 = 0.1 , r = 3.678
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

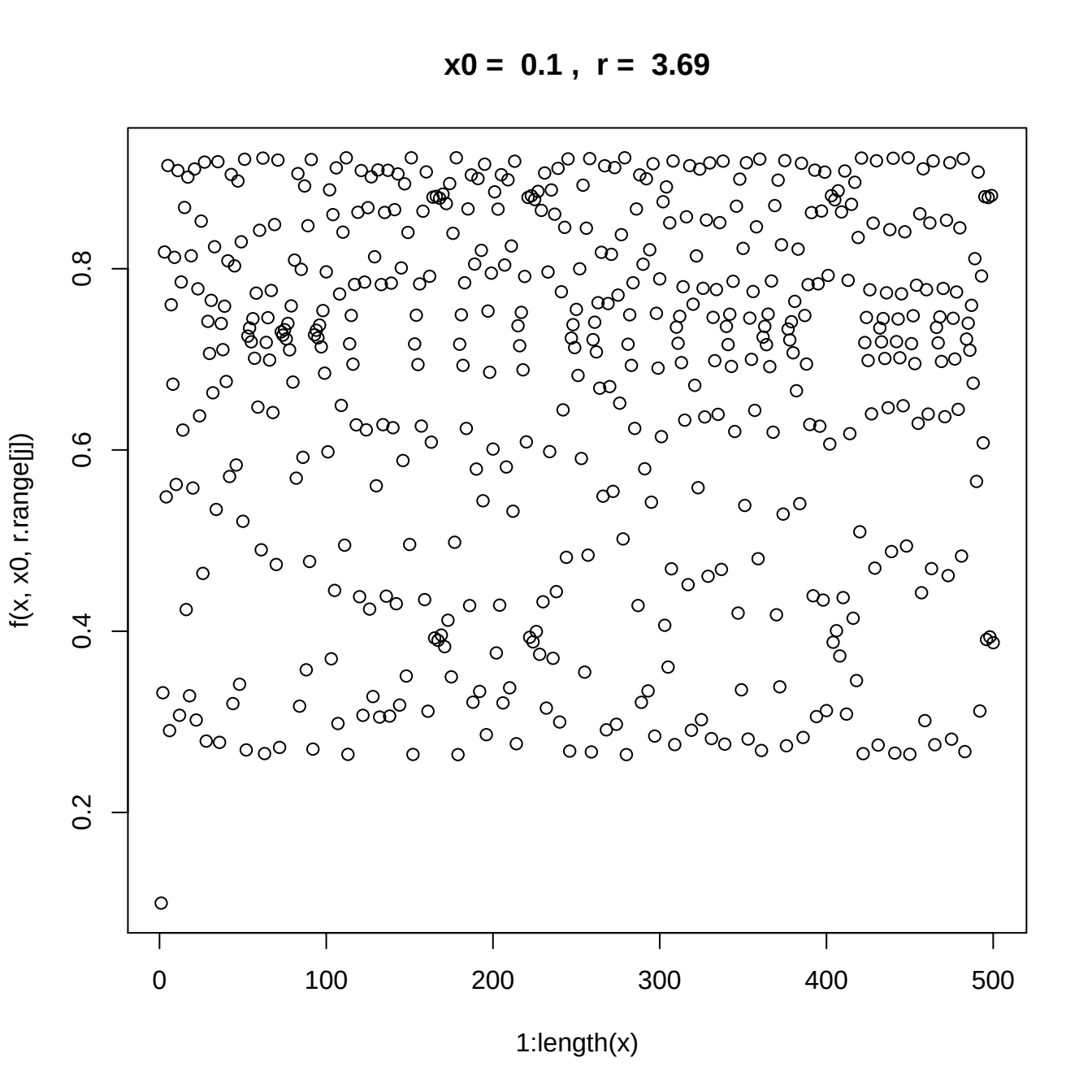

x0 = 0.1 , r = 3.68
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

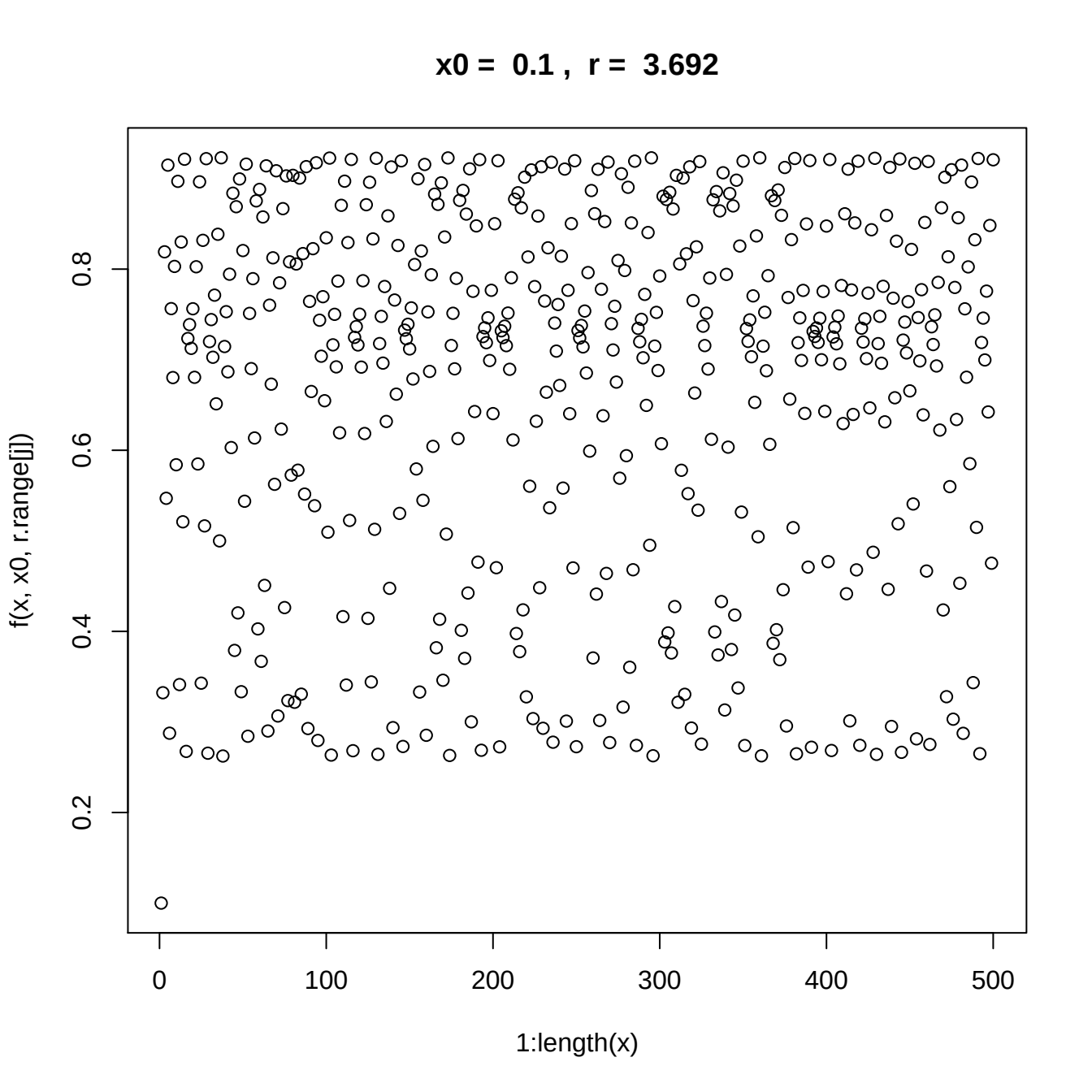

x0 = 0.1 , r = 3.682
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

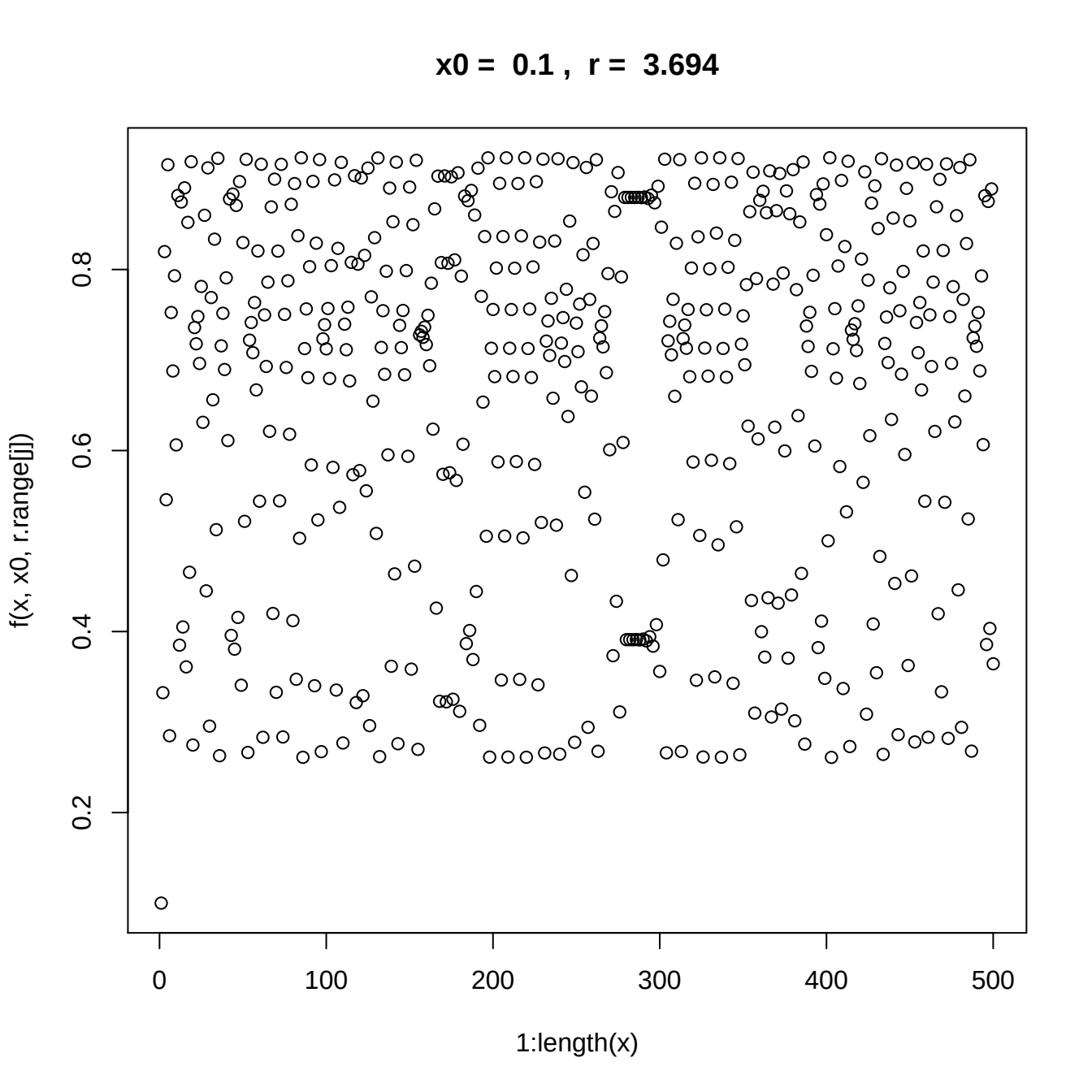

x0 = 0.1 , r = 3.684
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

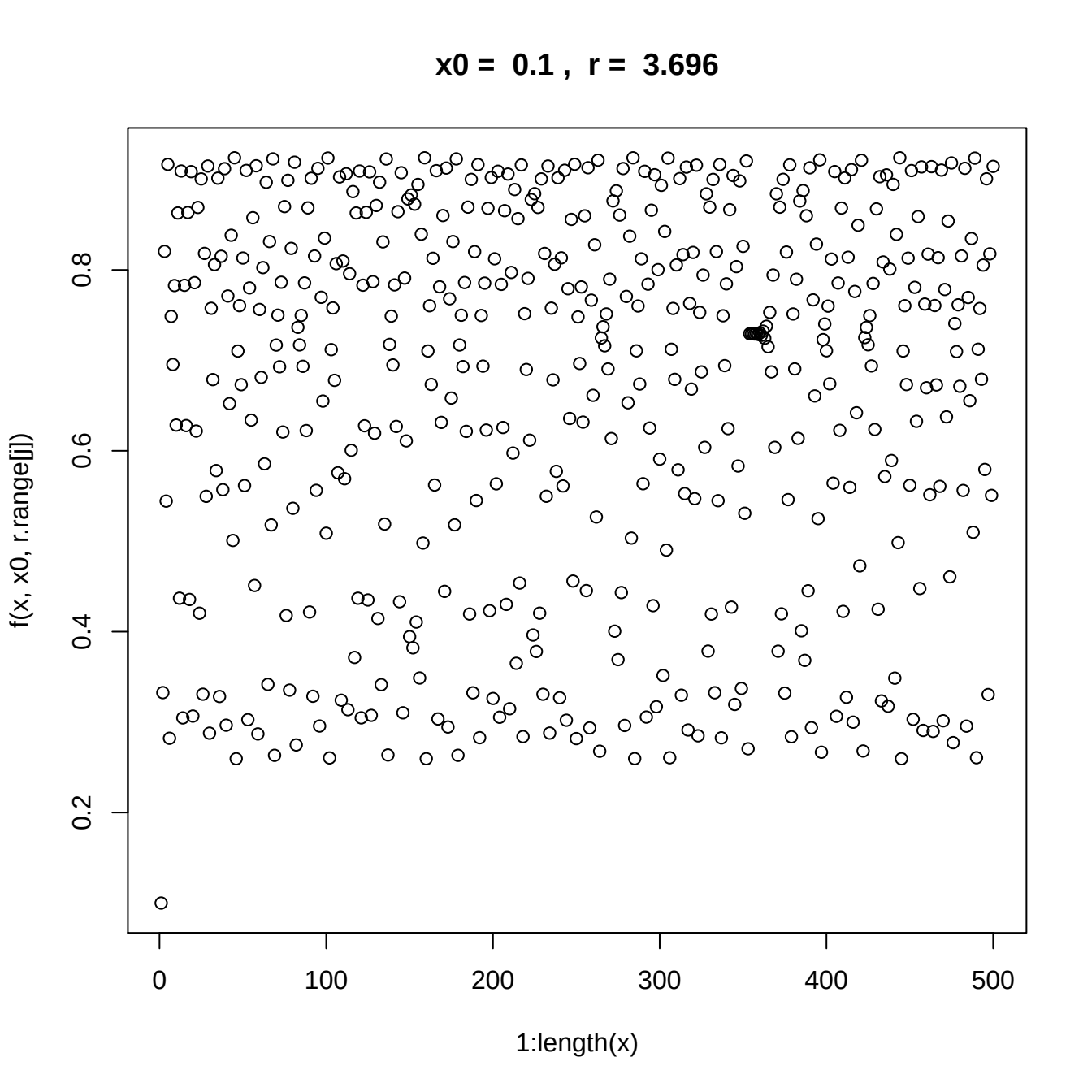

x0 = 0.1 , r = 3.686
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

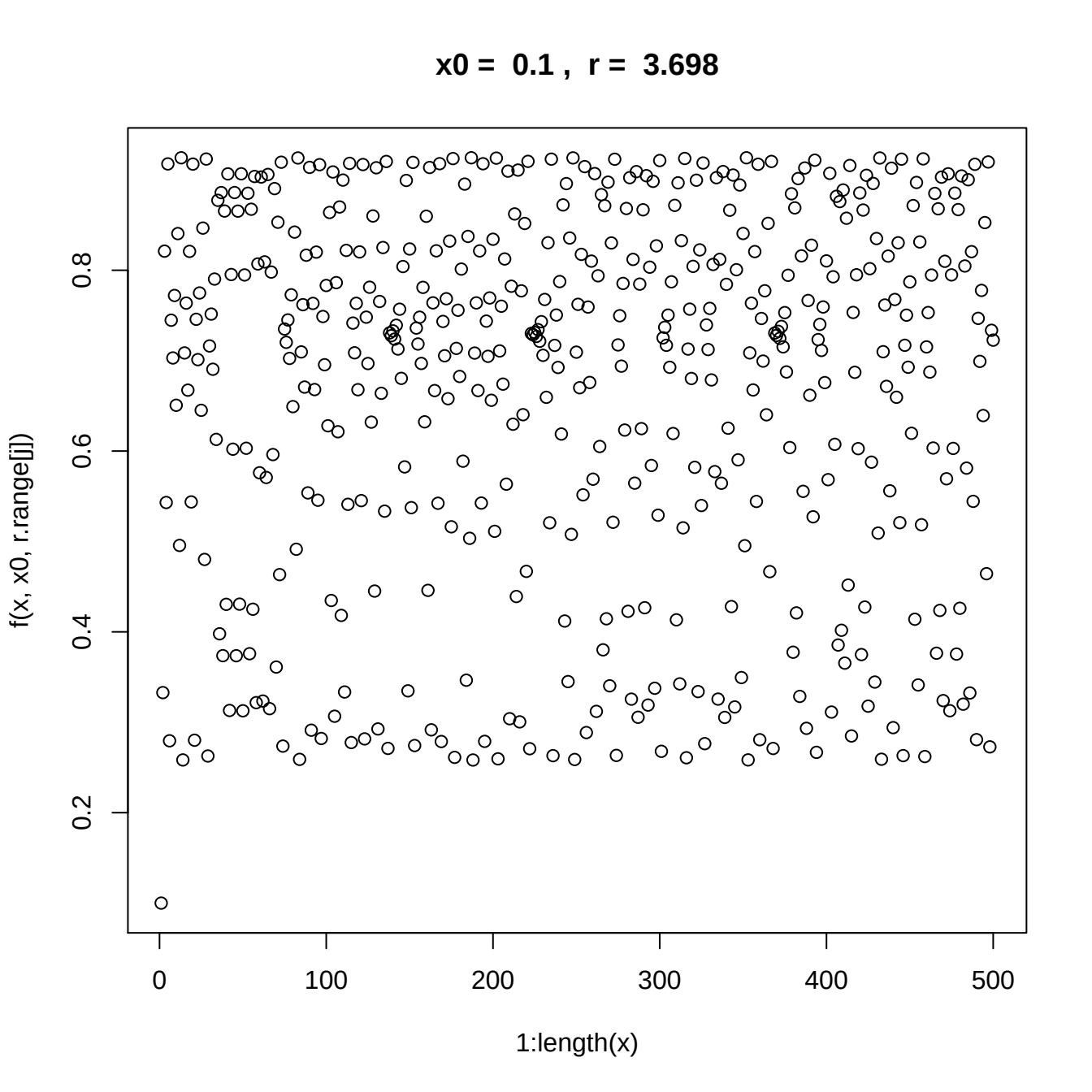

x0 = 0.1 , r = 3.688
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

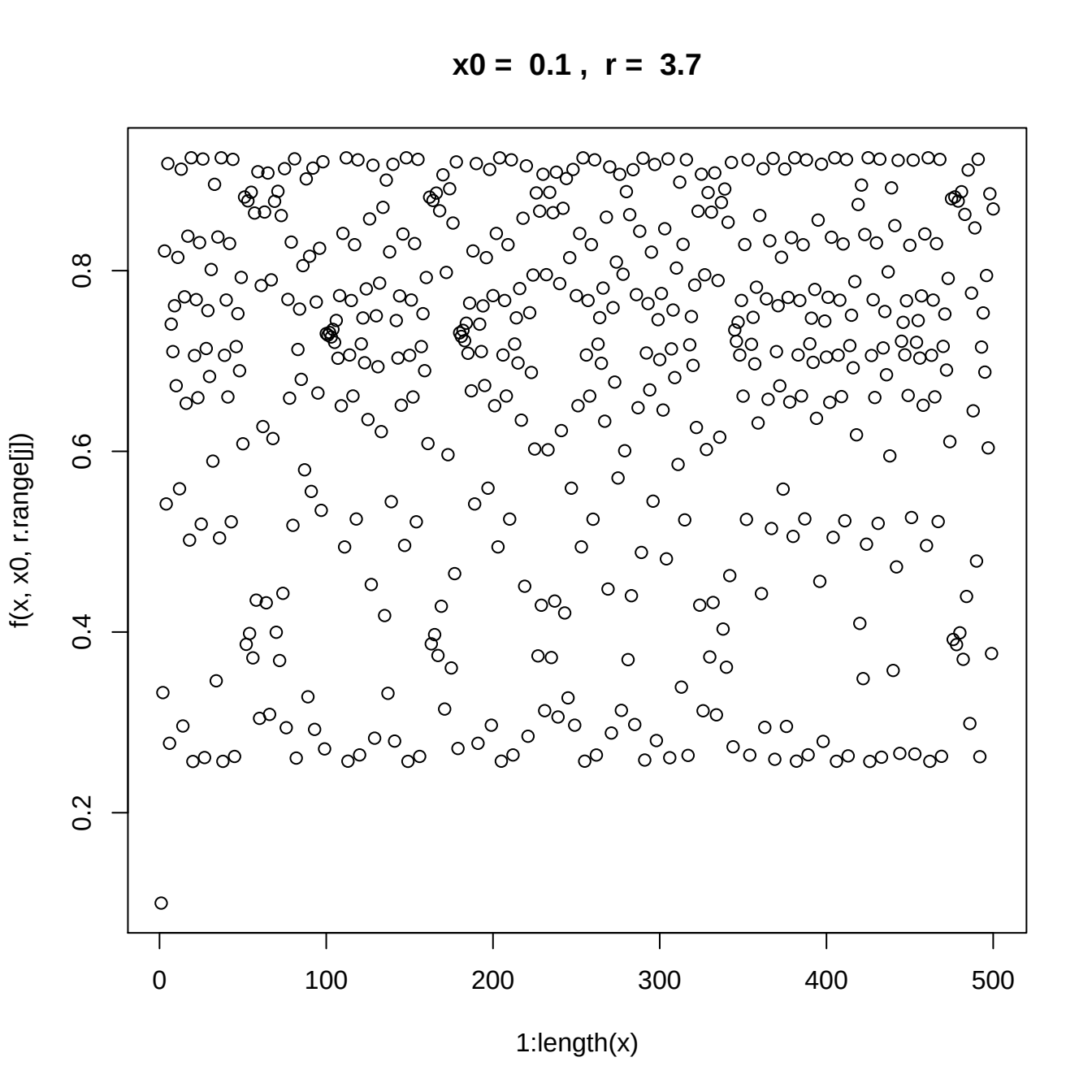

x0 = 0.1 , r = 3.69
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

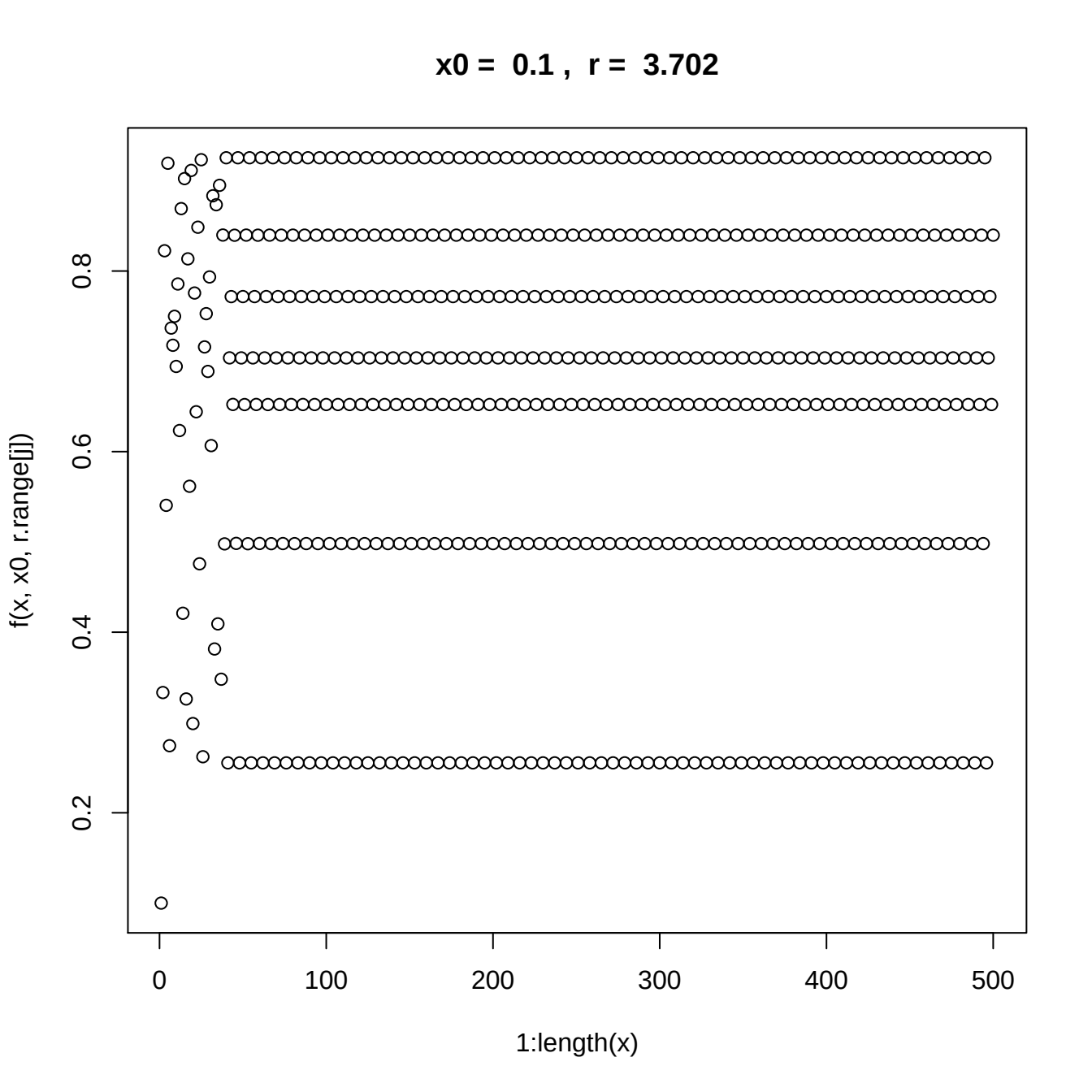

x0 = 0.1 , r = 3.692
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

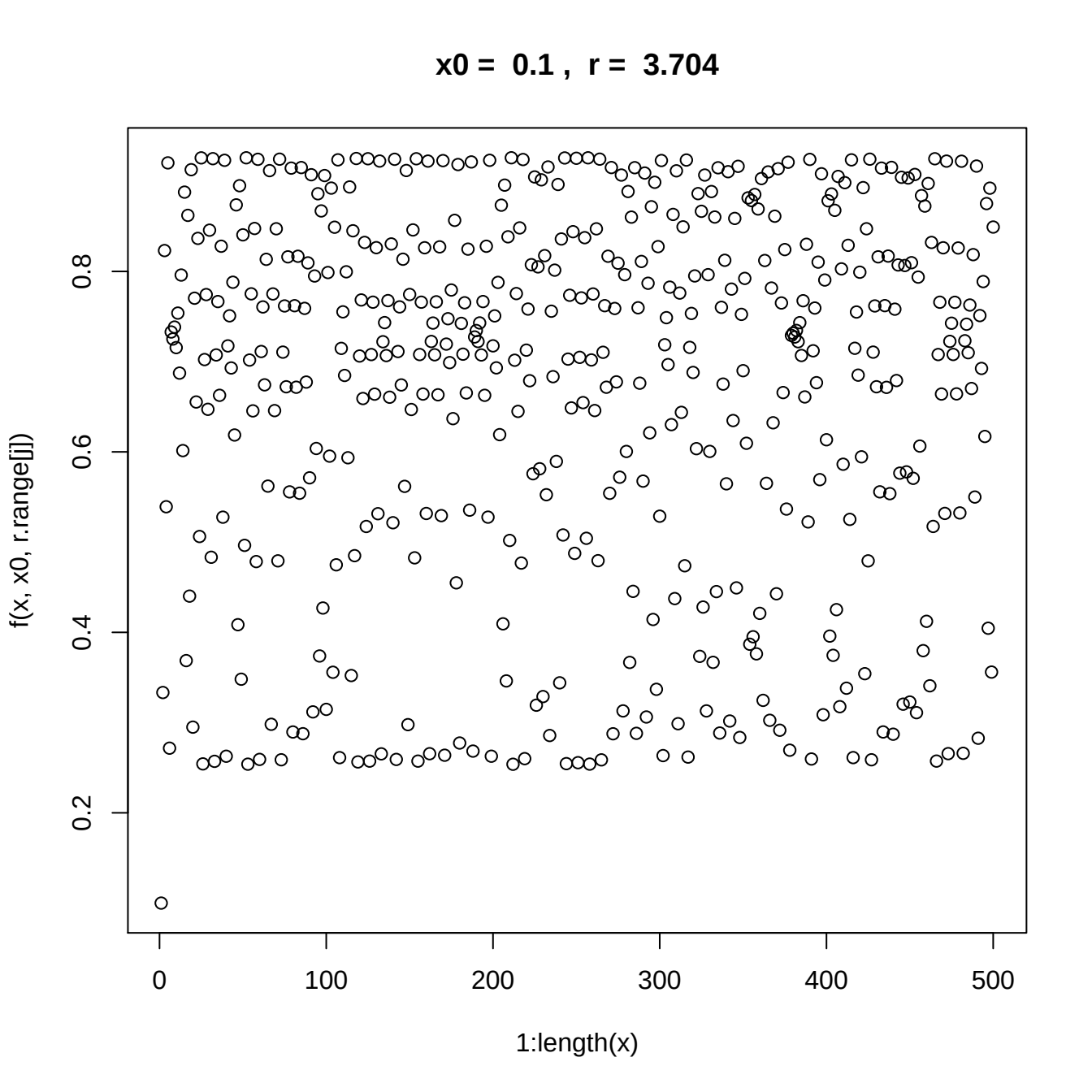

x0 = 0.1 , r = 3.694
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

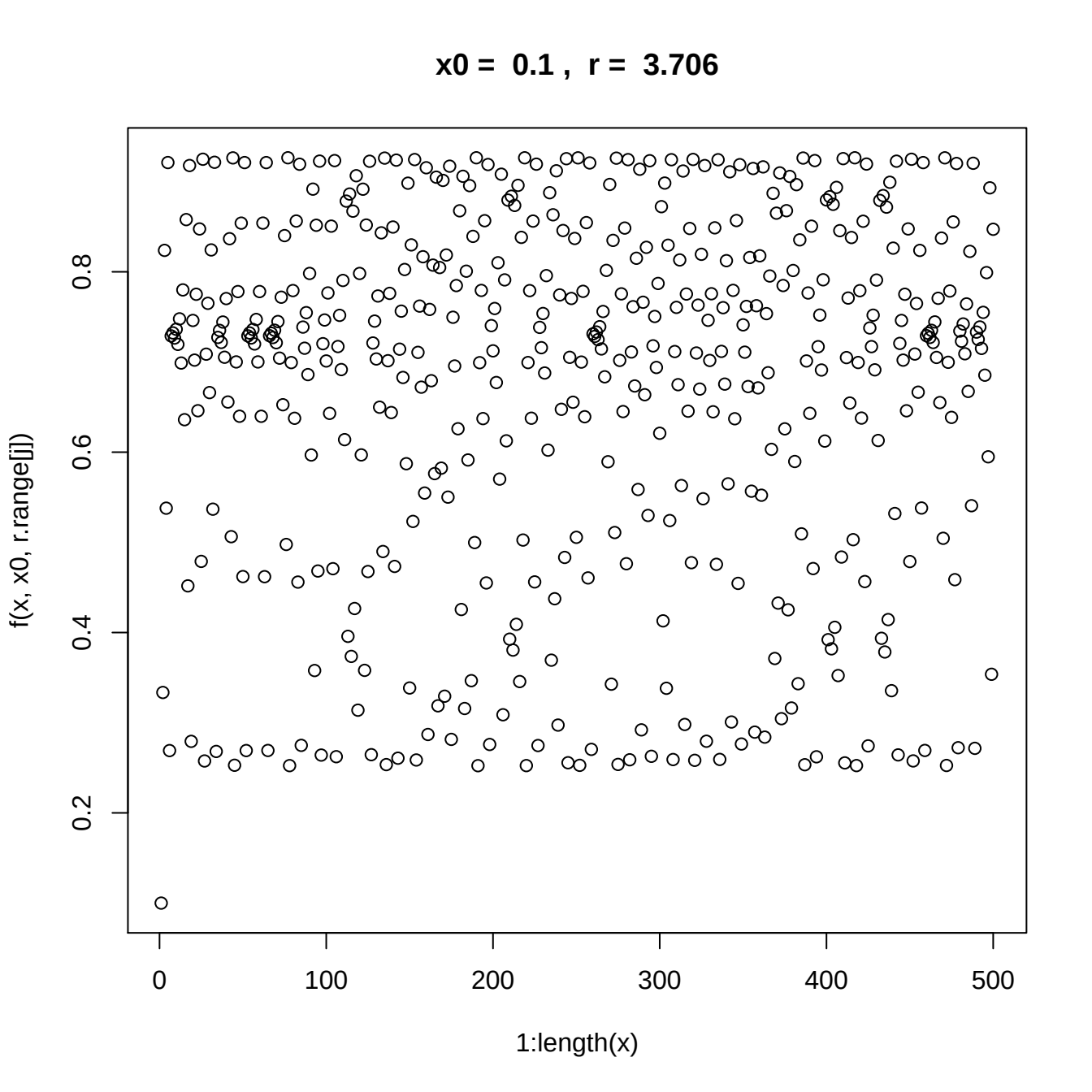

x0 = 0.1 , r = 3.696
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

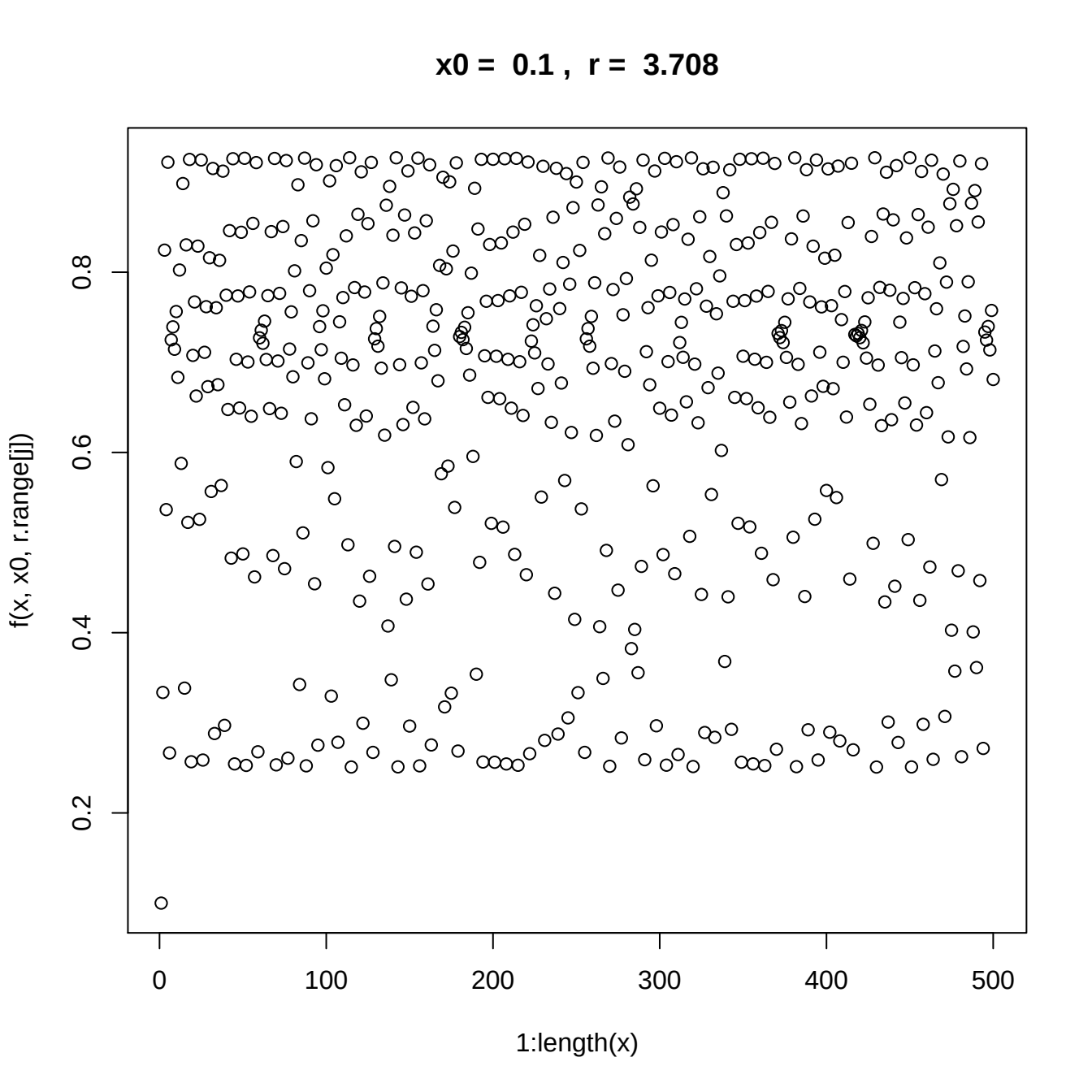

x0 = 0.1 , r = 3.698
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

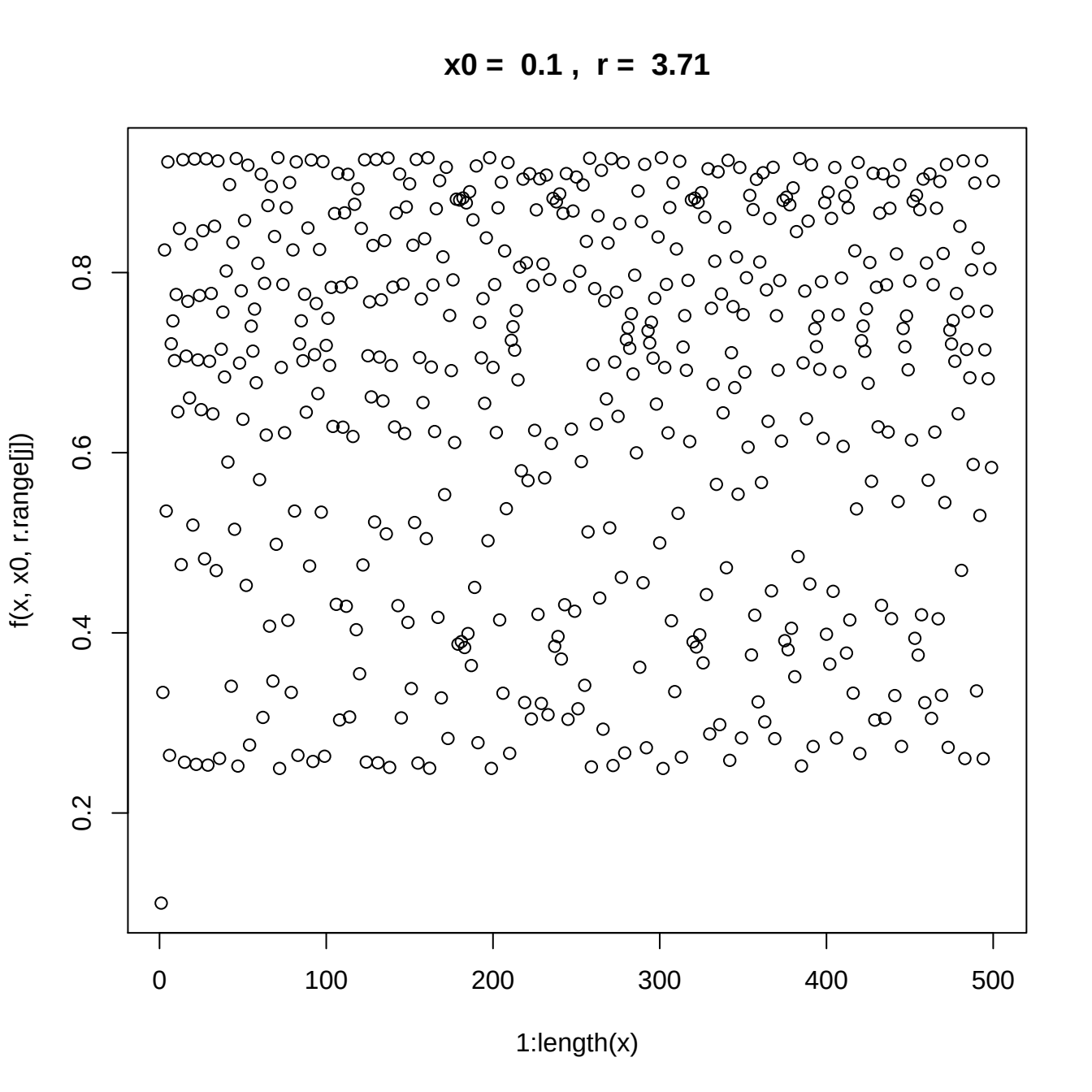

x0 = 0.1 , r = 3.7
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

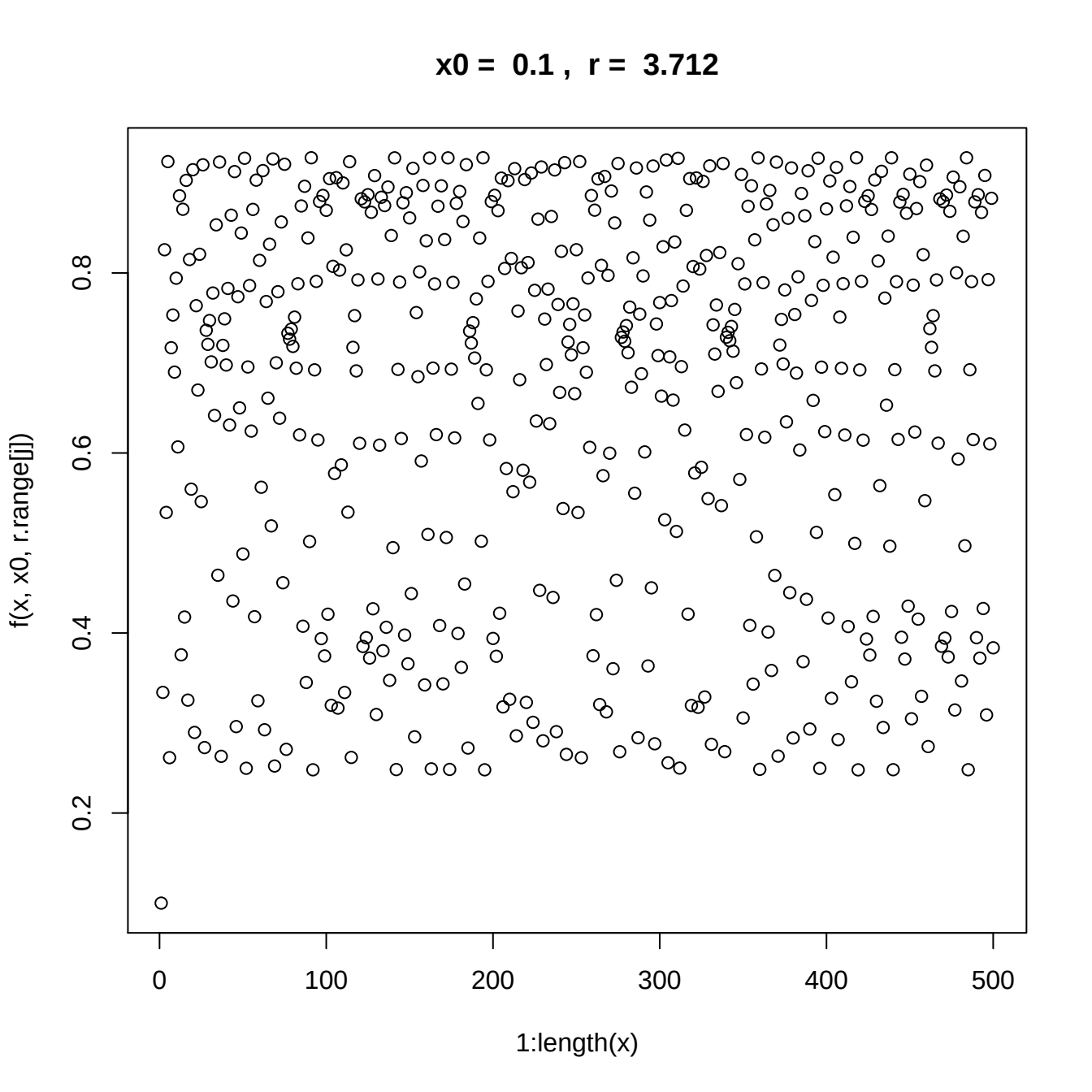

x0 = 0.1 , r = 3.702
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

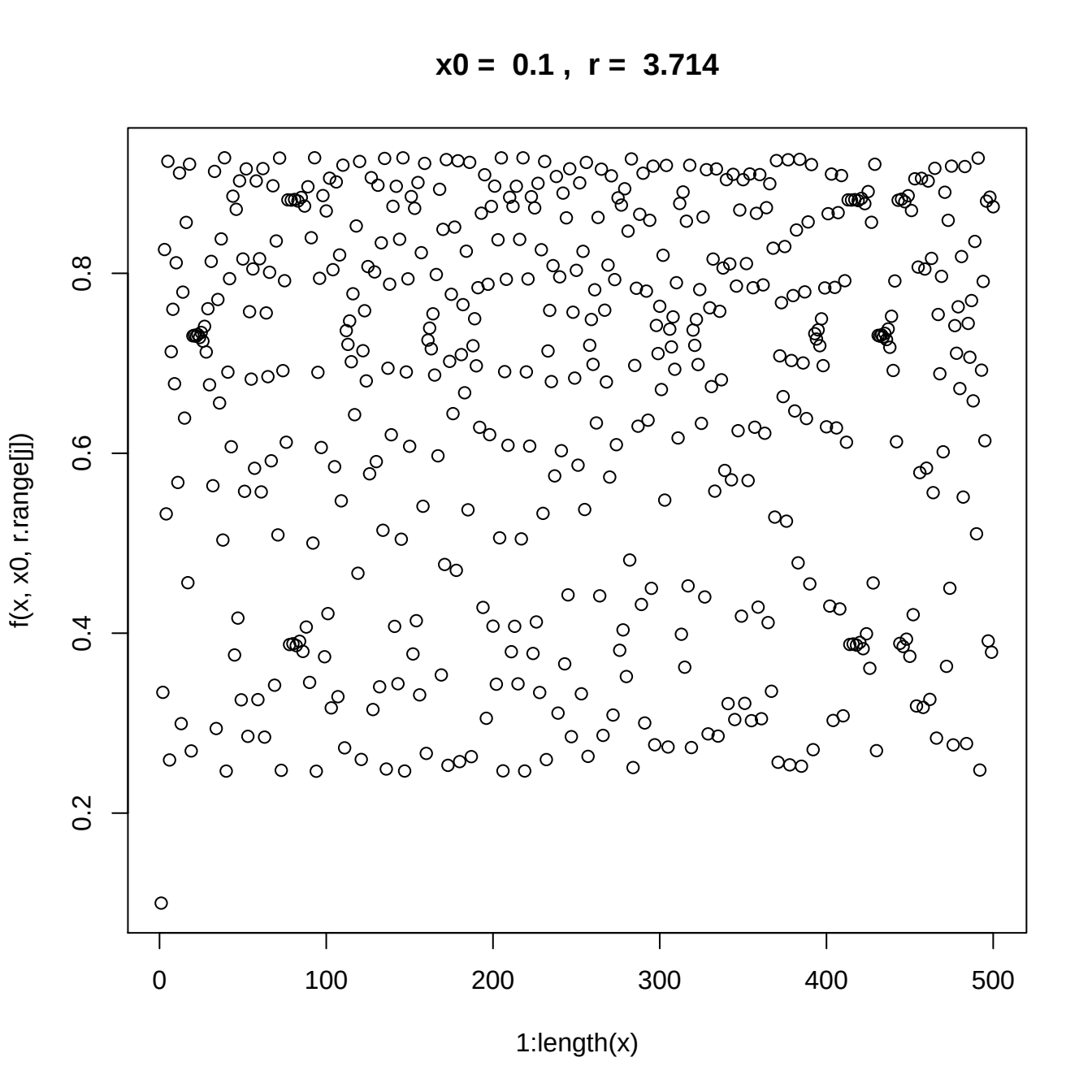

x0 = 0.1 , r = 3.704
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

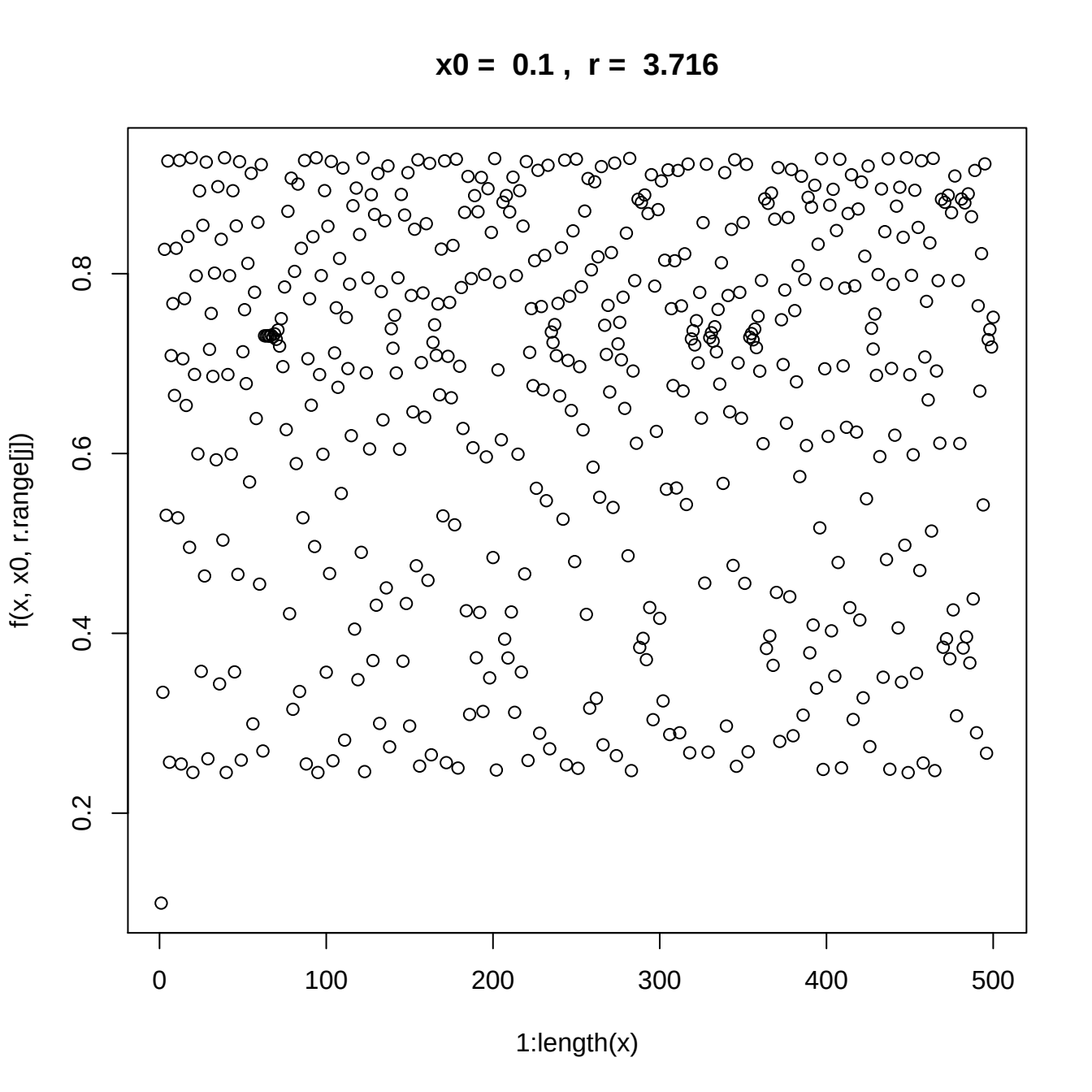

x0 = 0.1 , r = 3.706
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

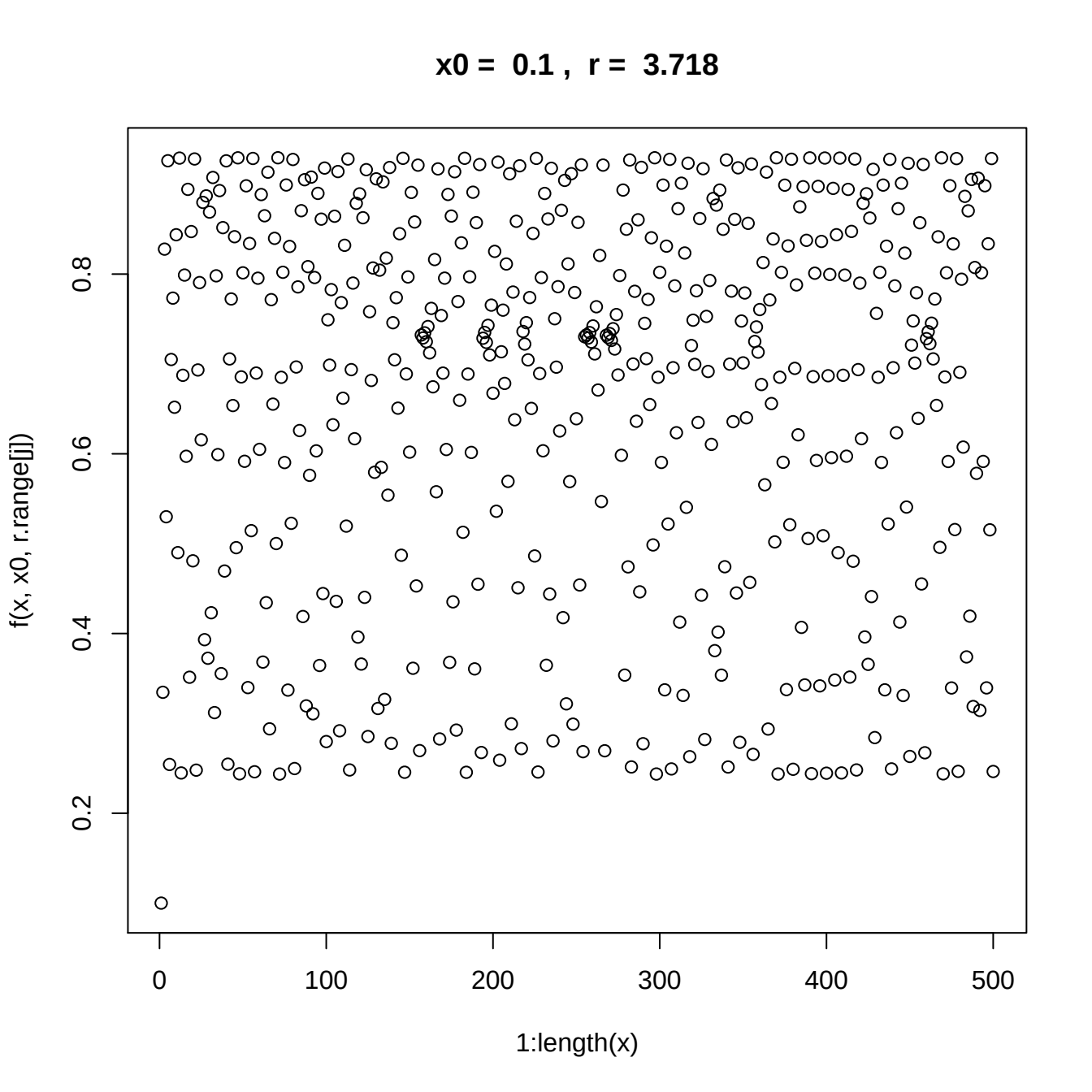

x0 = 0.1 , r = 3.708
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

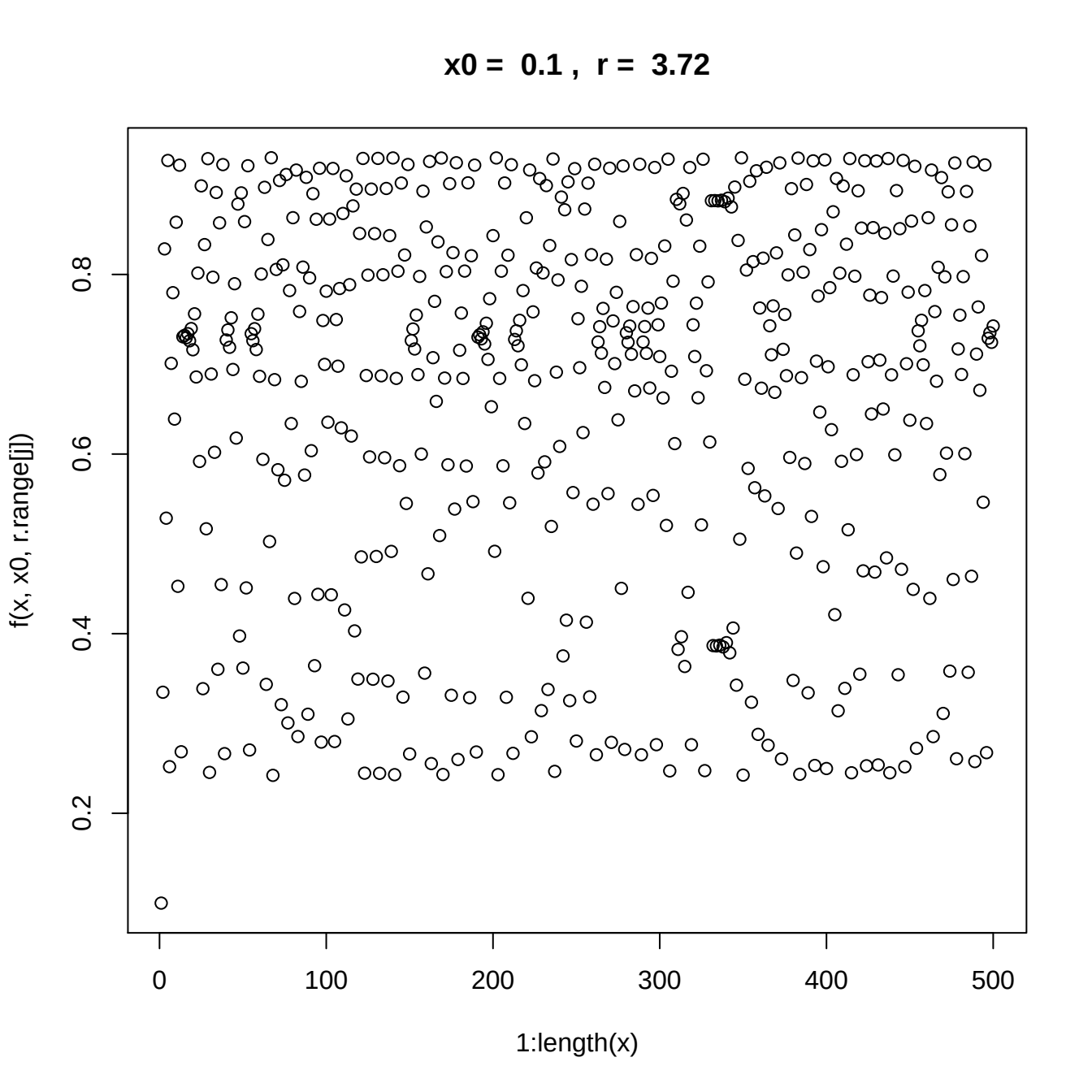

x0 = 0.1 , r = 3.71
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

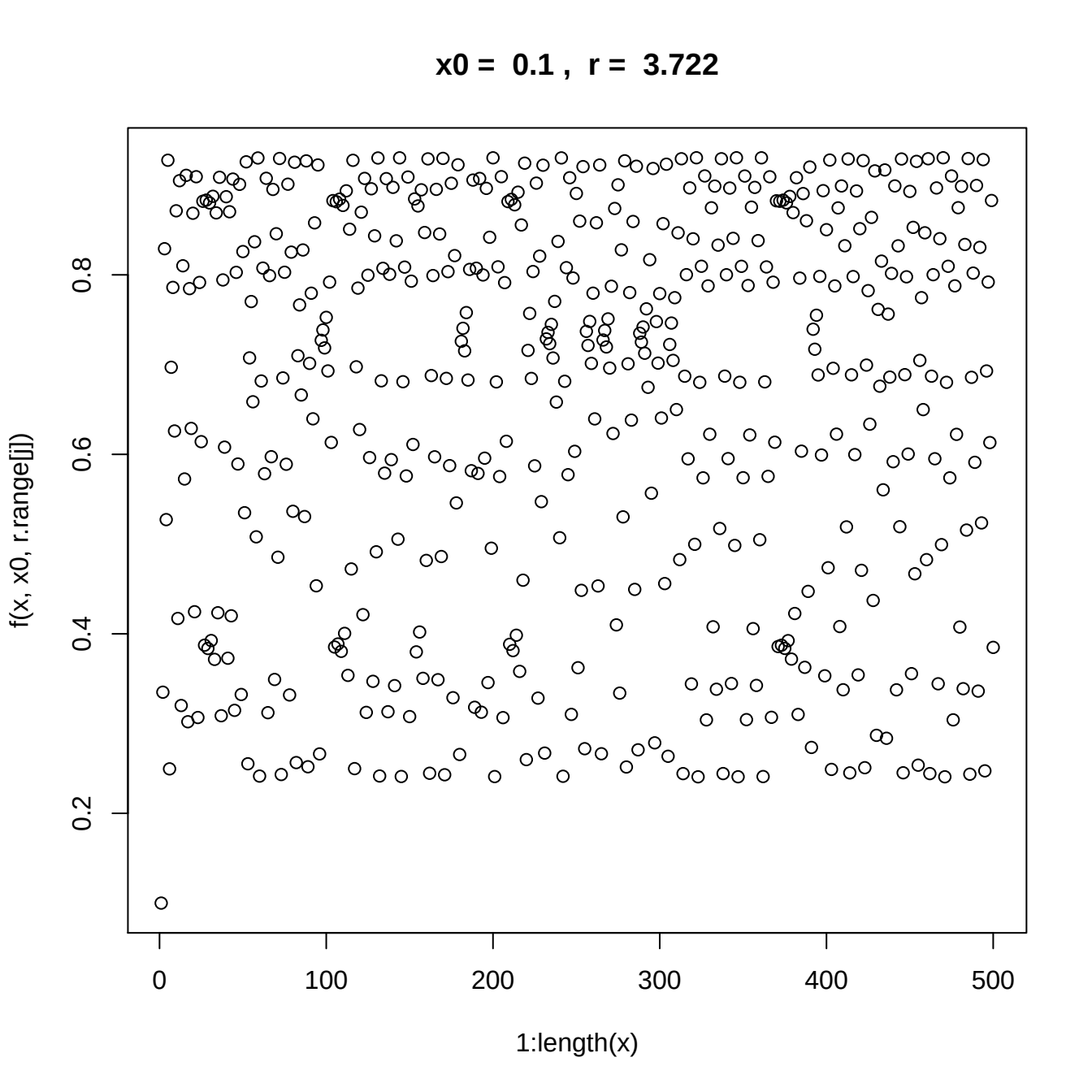

x0 = 0.1 , r = 3.712
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

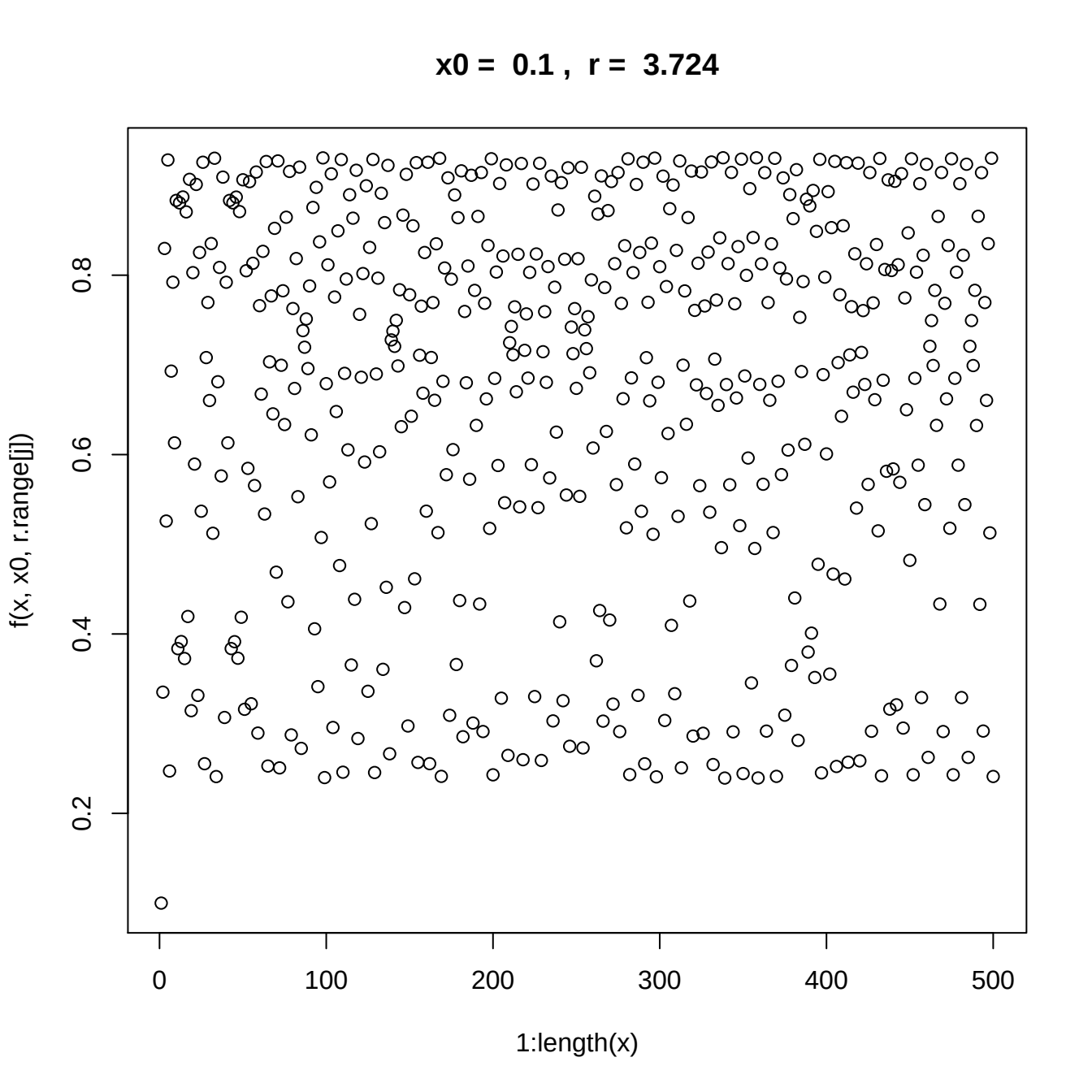

x0 = 0.1 , r = 3.714
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

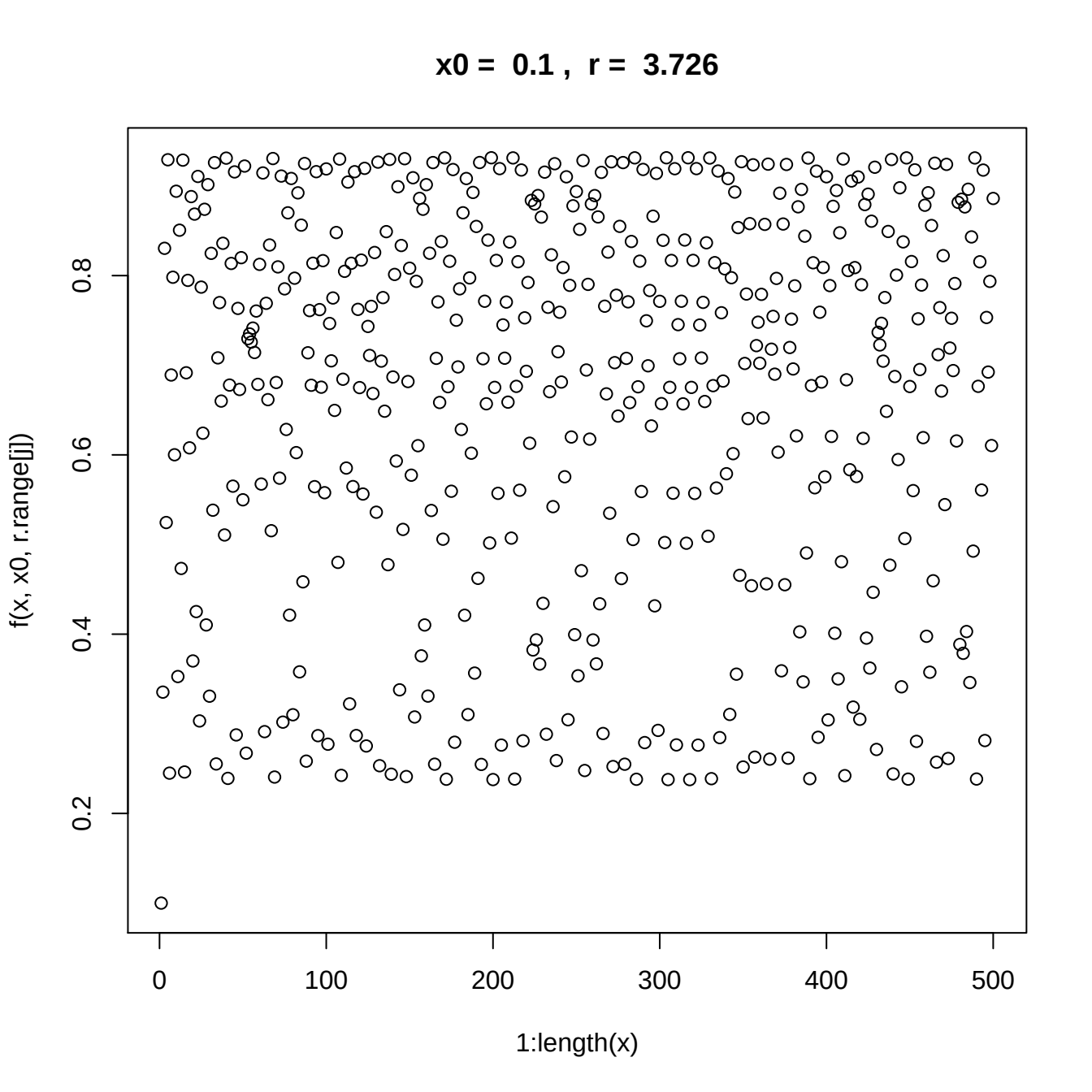

x0 = 0.1 , r = 3.716
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

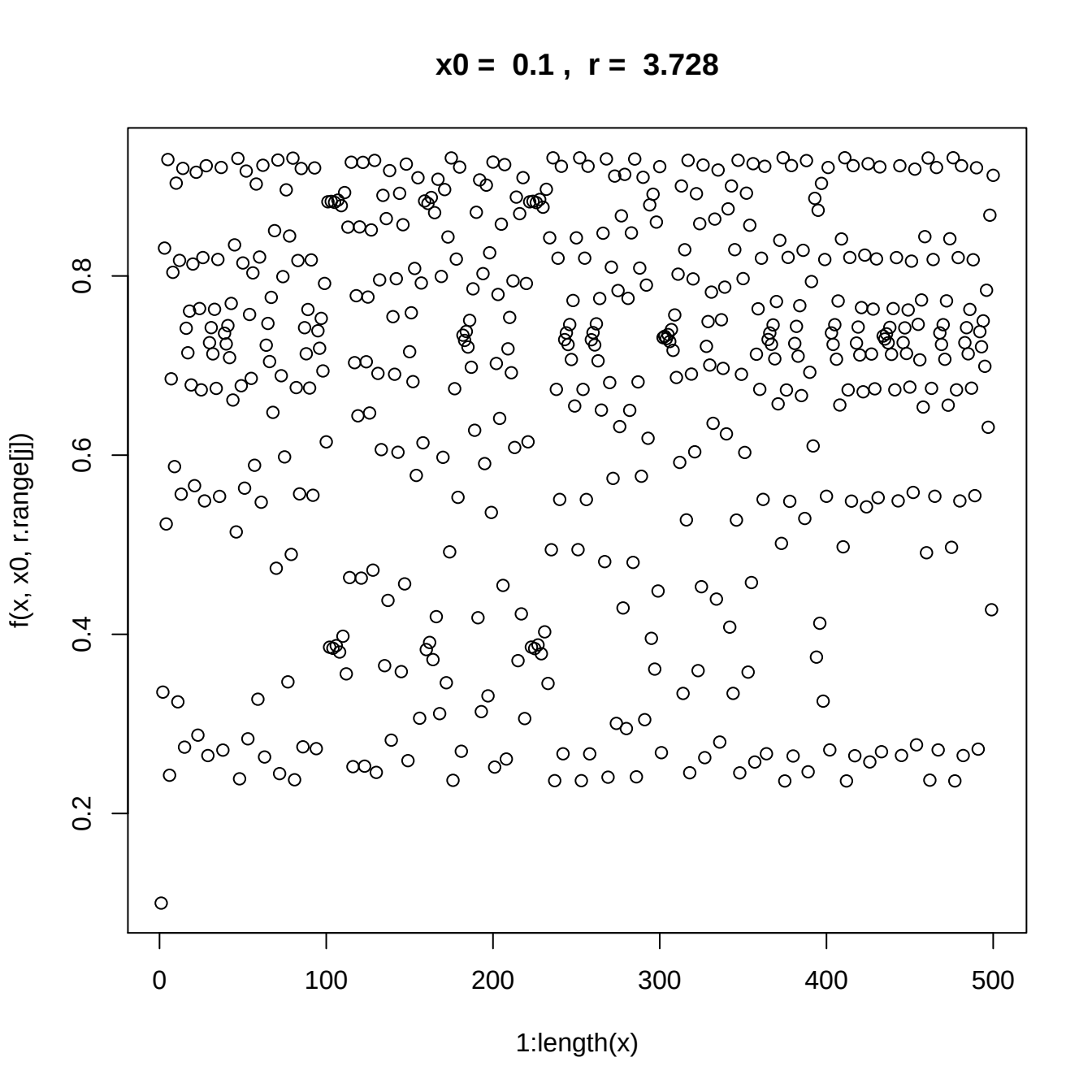

x0 = 0.1 , r = 3.718
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

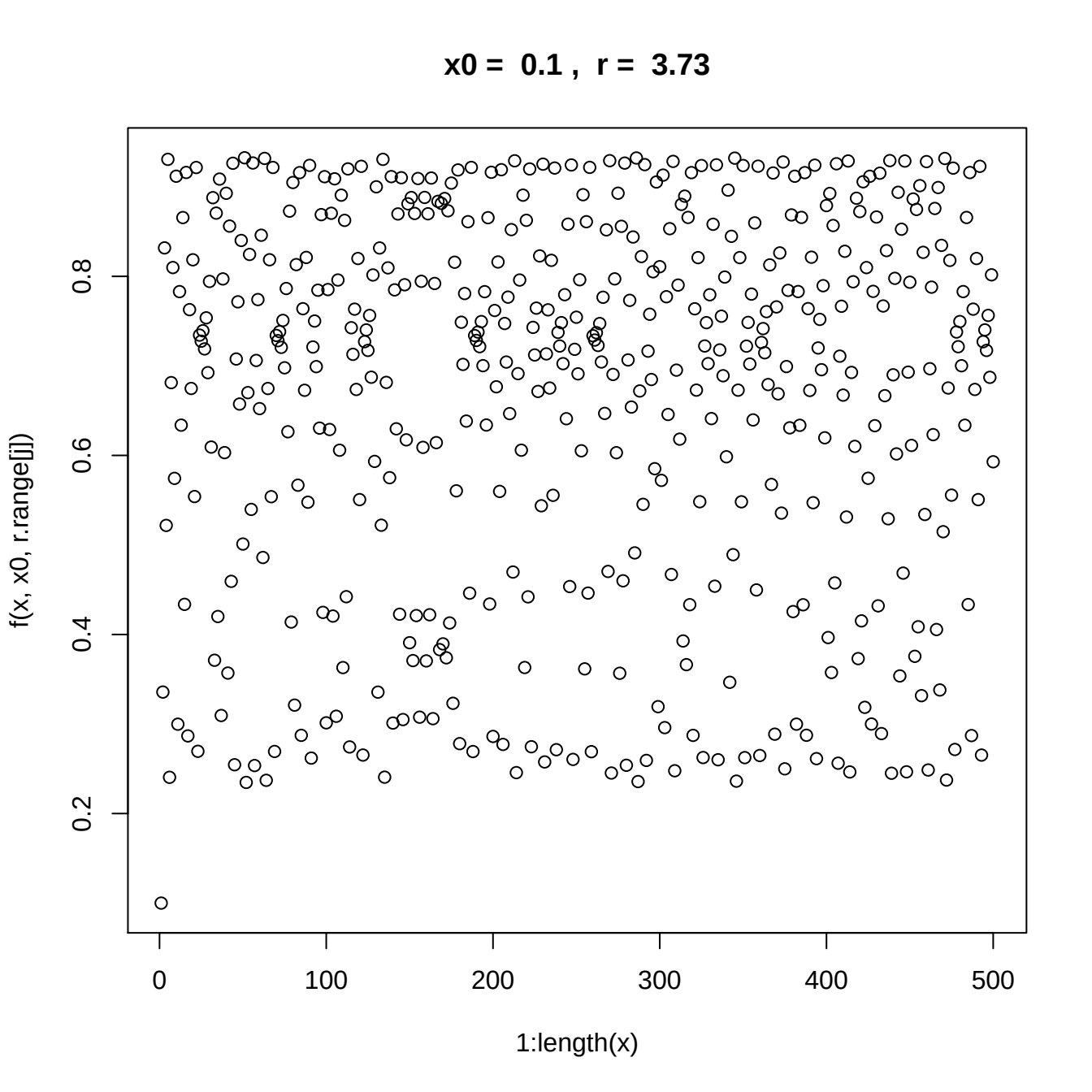

x0 = 0.1 , r = 3.72
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

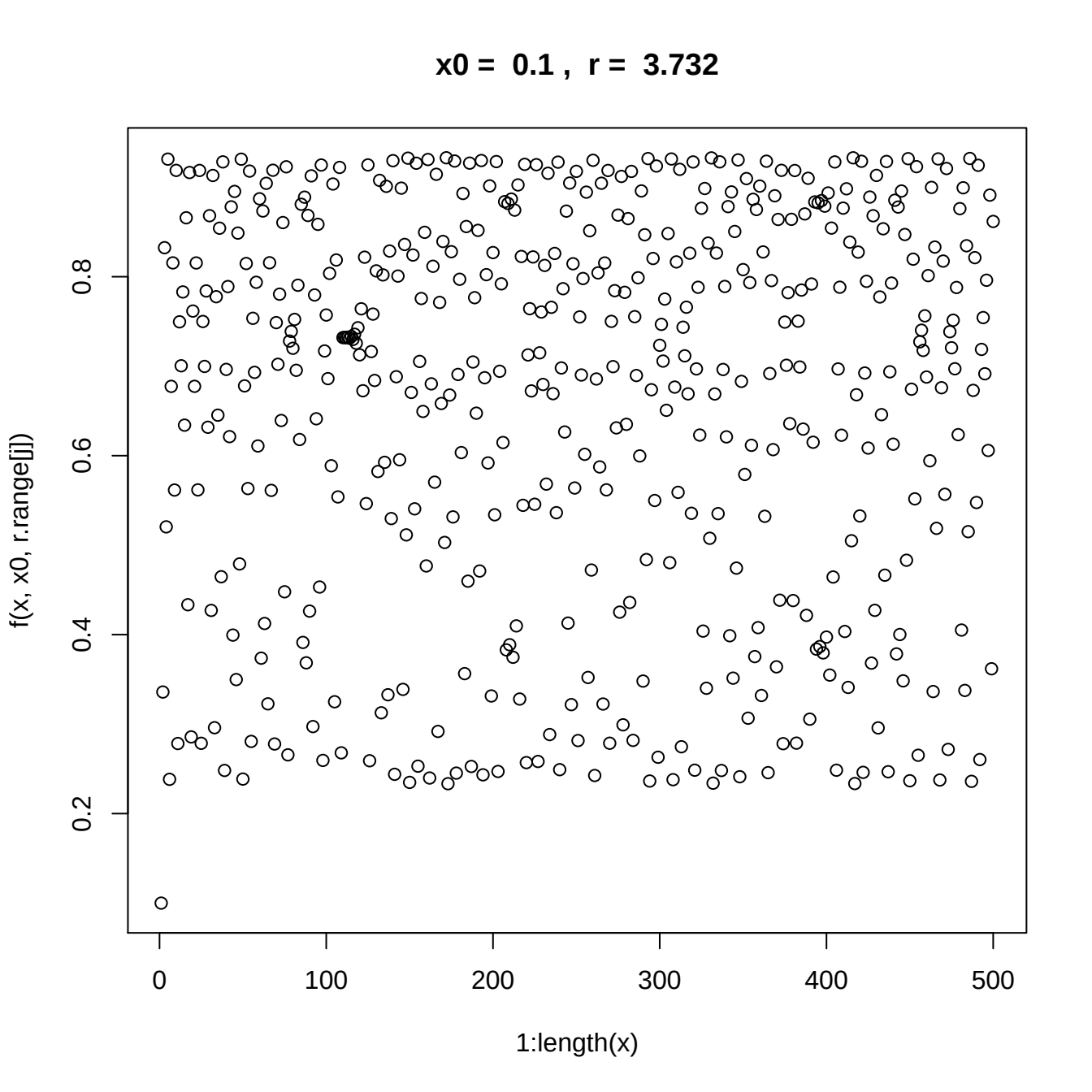

x0 = 0.1 , r = 3.722
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

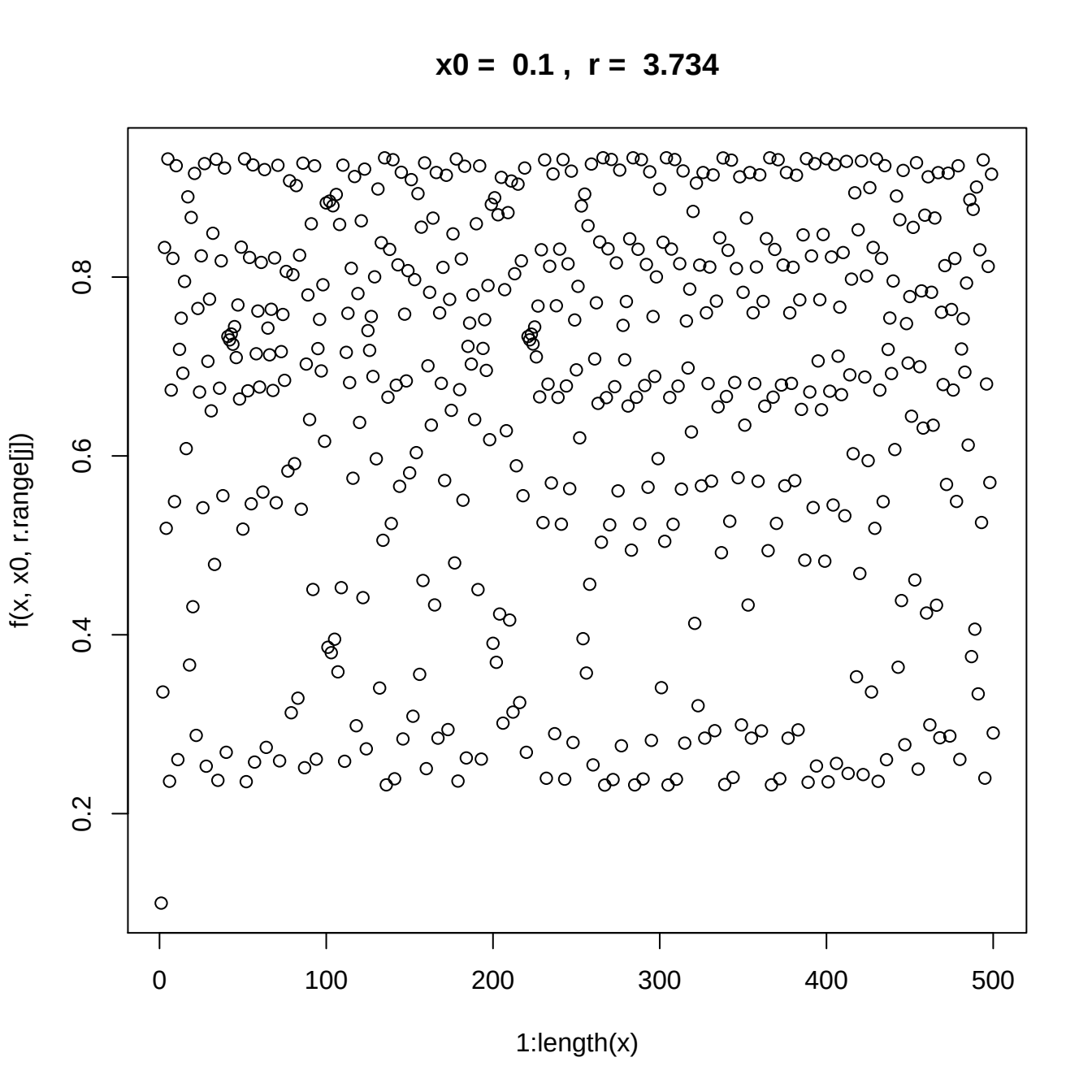

x0 = 0.1 , r = 3.724
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

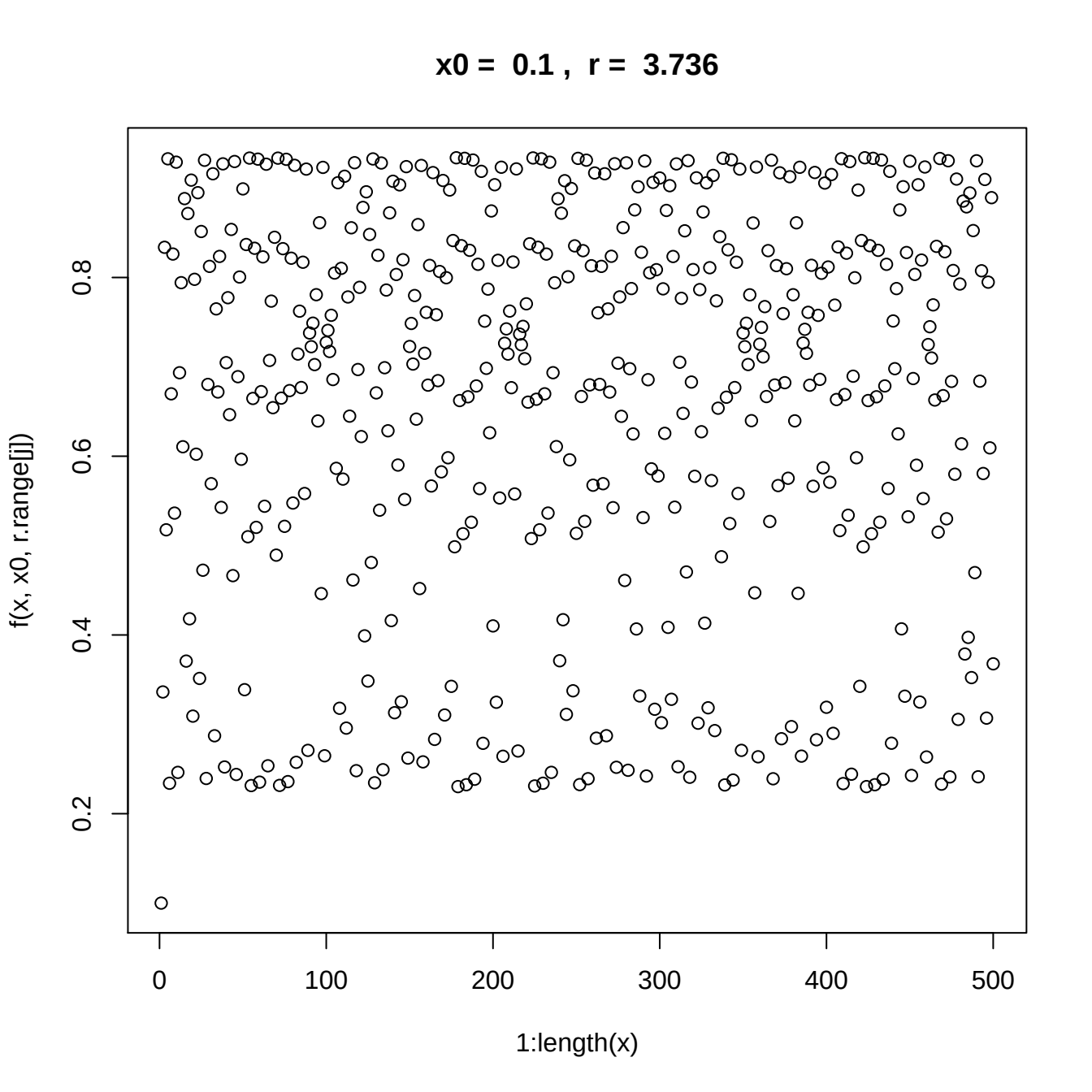

x0 = 0.1 , r = 3.726
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

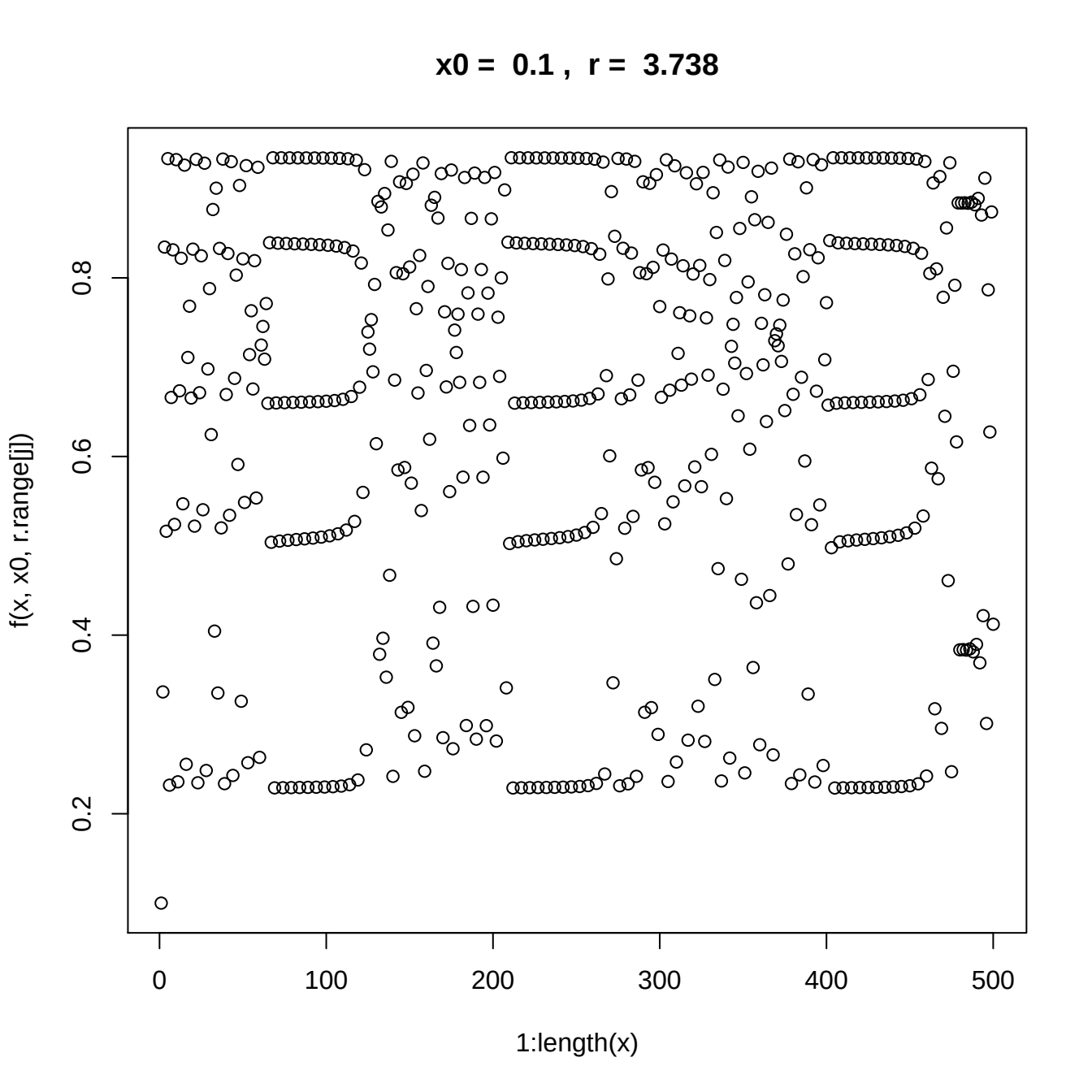

x0 = 0.1 , r = 3.728
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

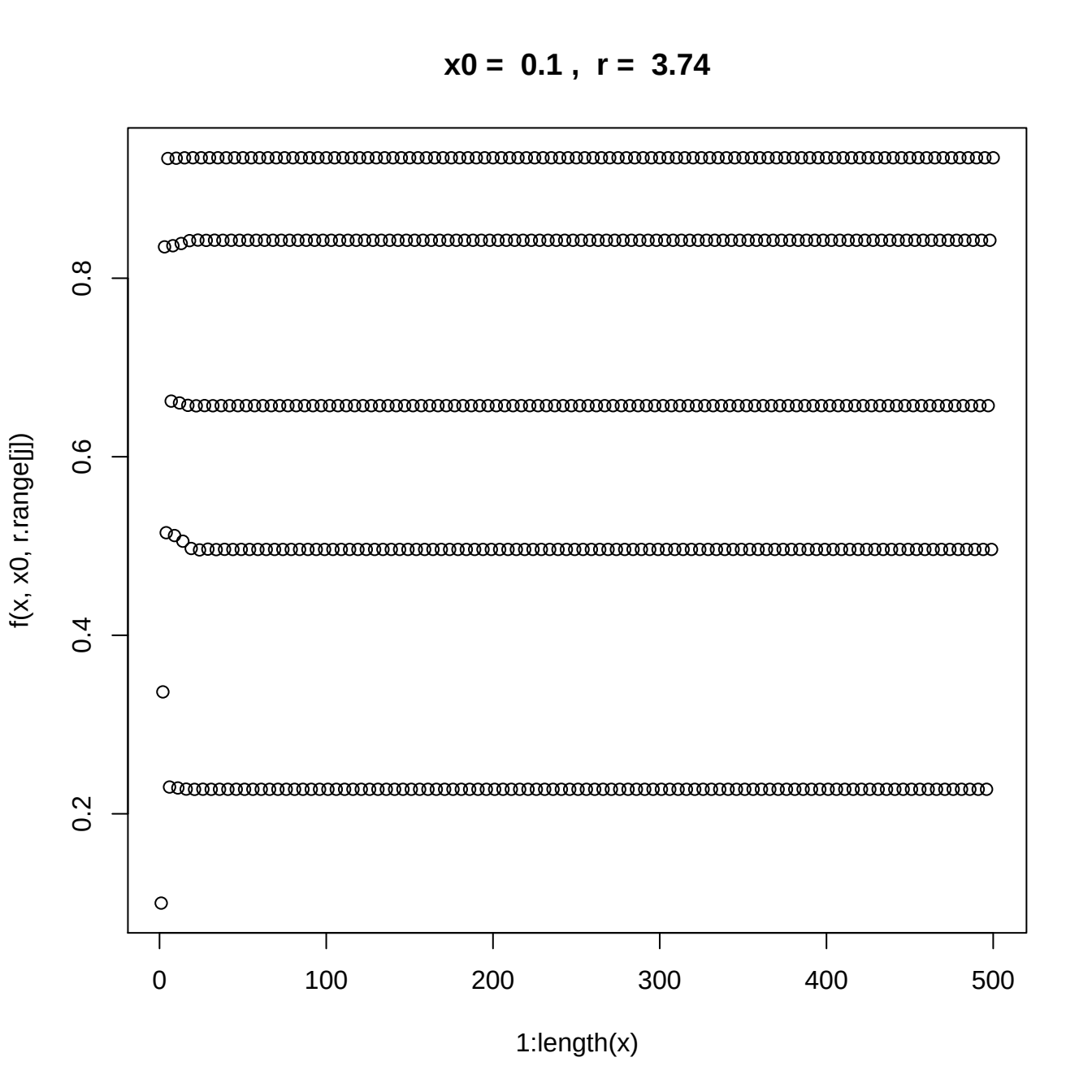

x0 = 0.1 , r = 3.73
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

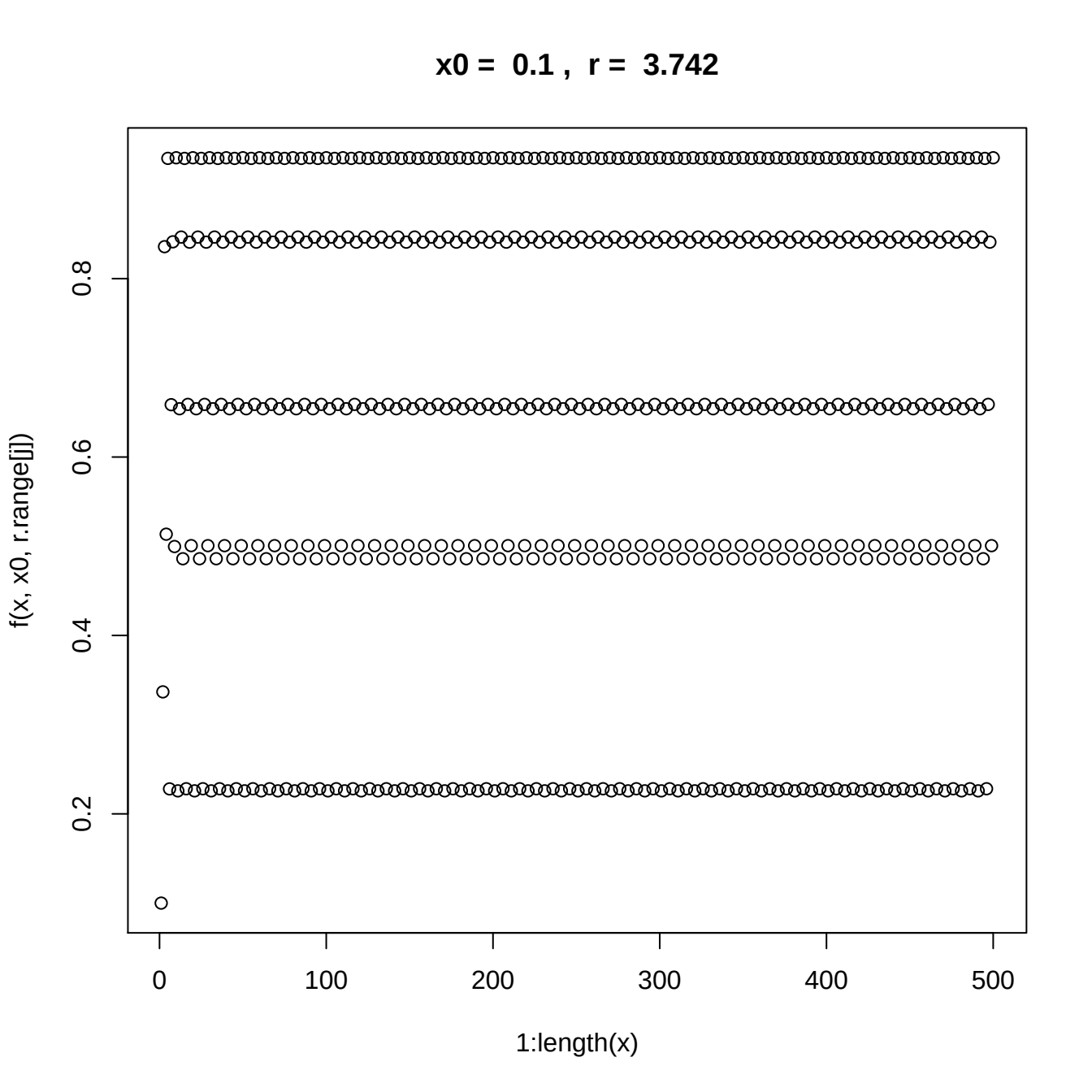

x0 = 0.1 , r = 3.732
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

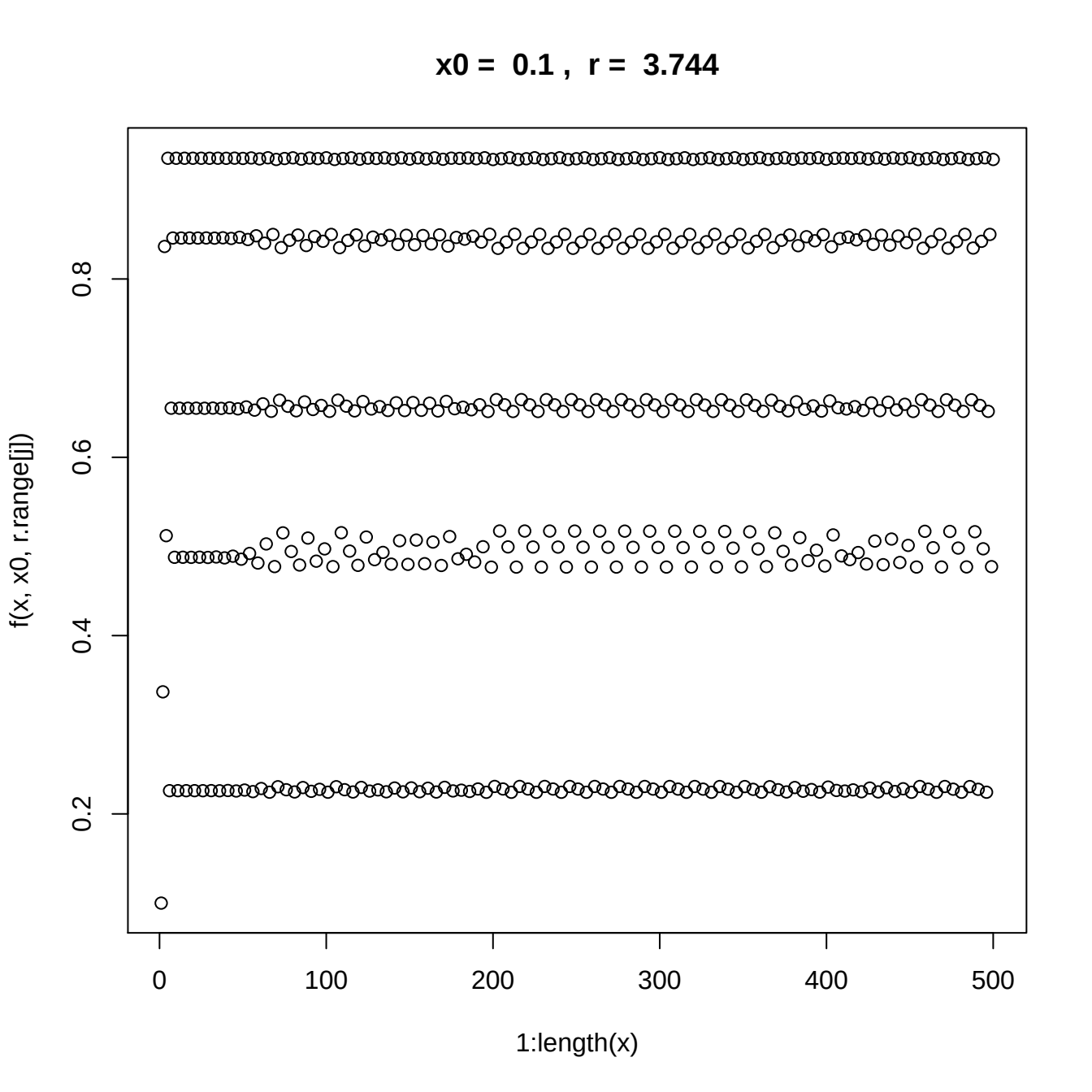

x0 = 0.1 , r = 3.734
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

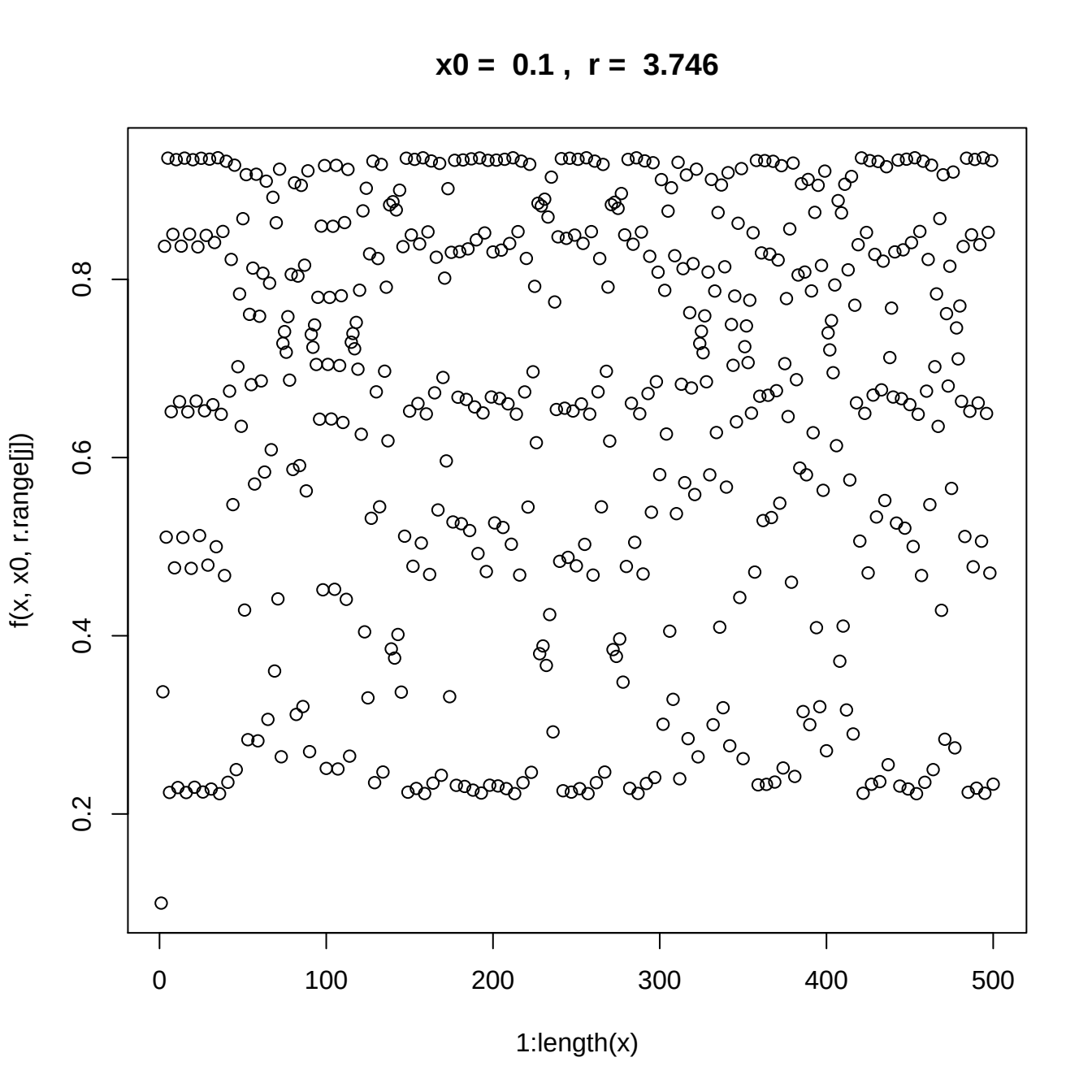

x0 = 0.1 , r = 3.736
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

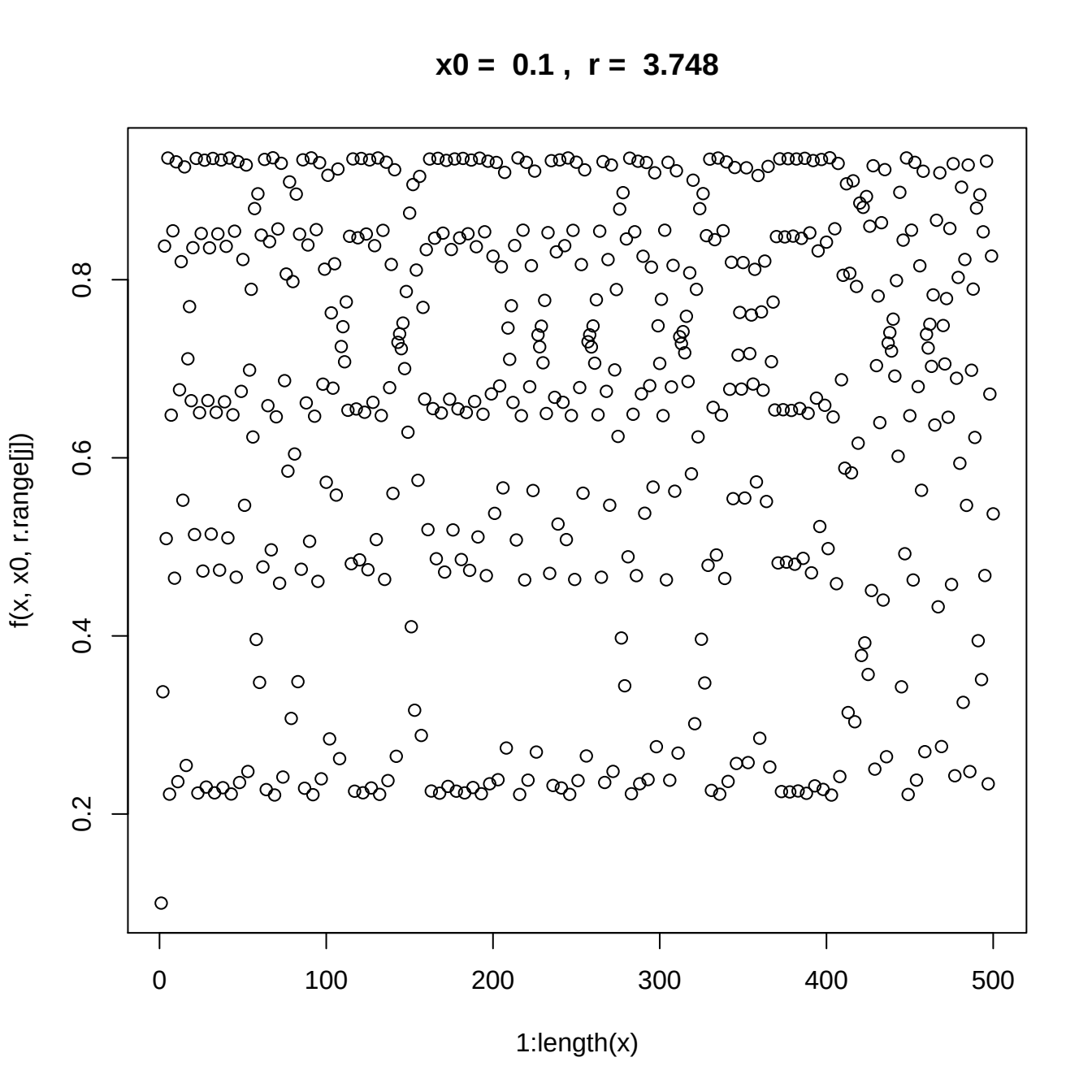

x0 = 0.1 , r = 3.738
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

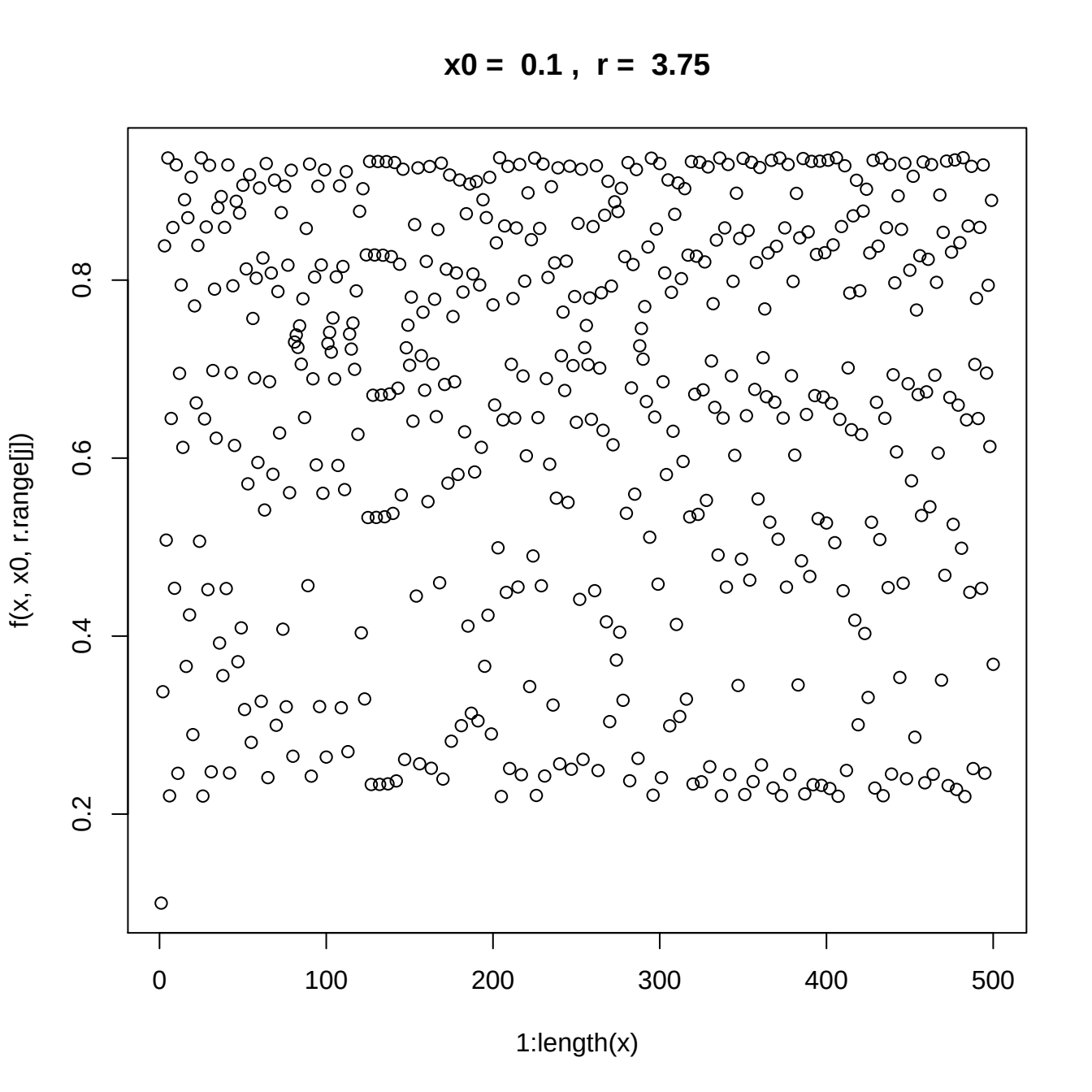

x0 = 0.1 , r = 3.74
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

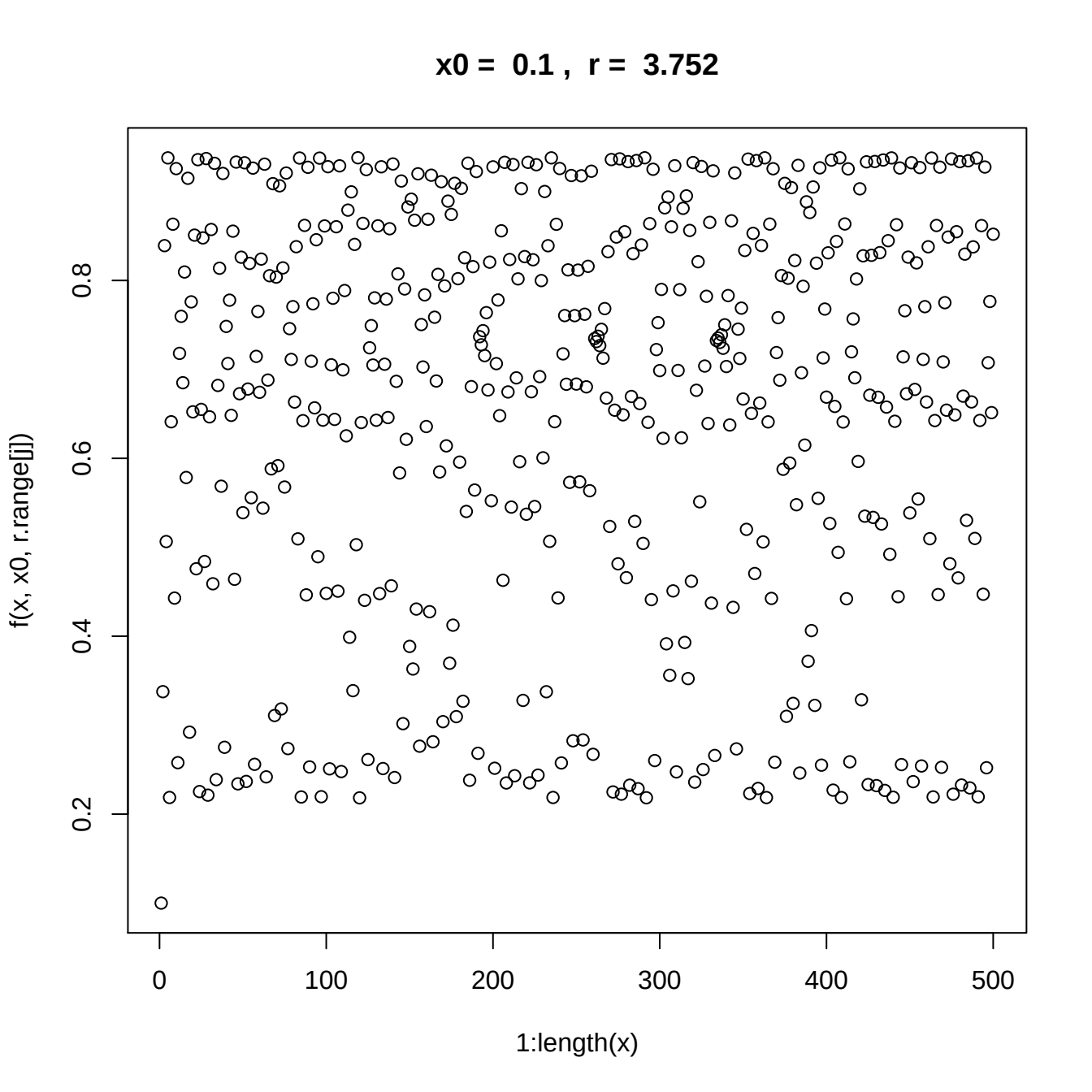

x0 = 0.1 , r = 3.742
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

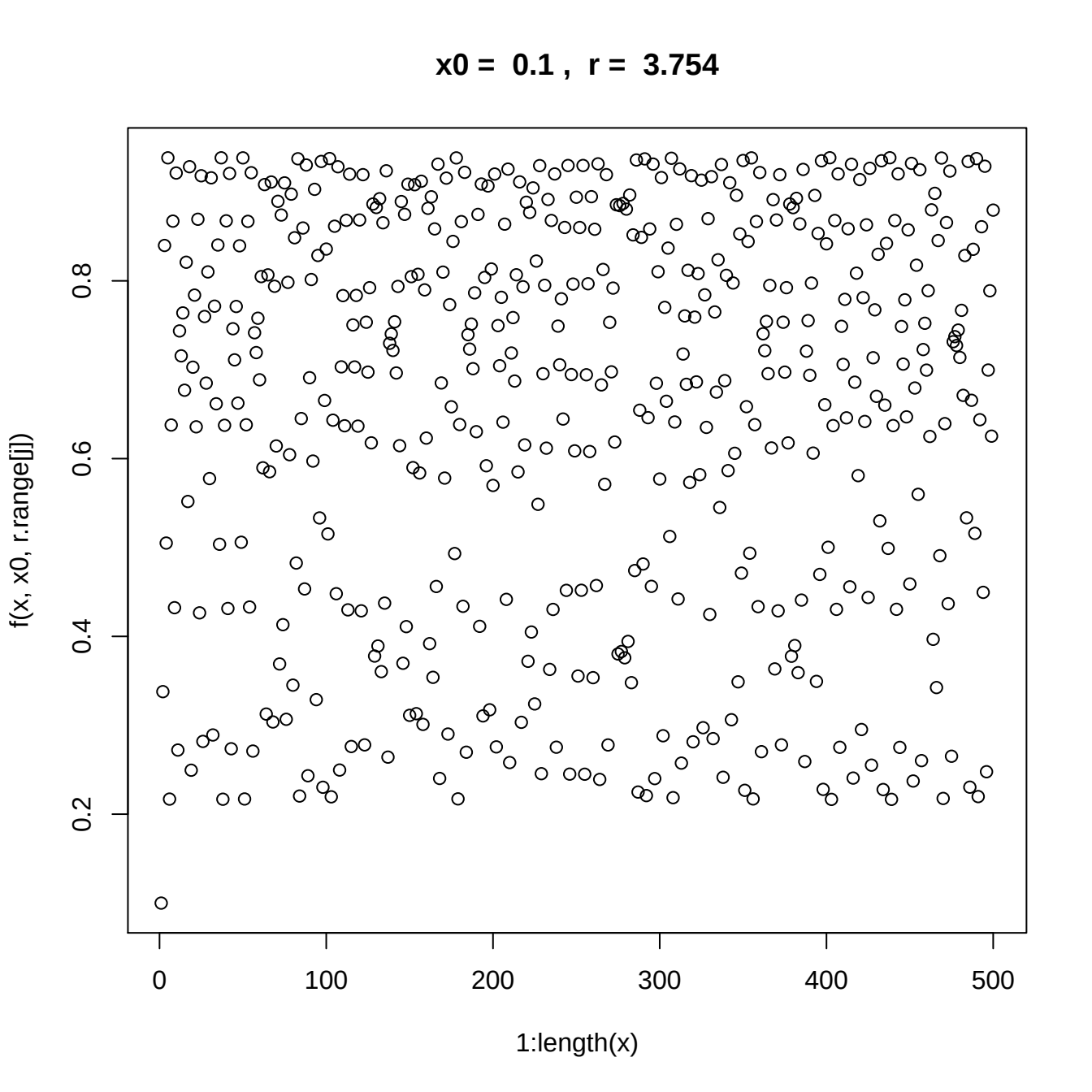

x0 = 0.1 , r = 3.744
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

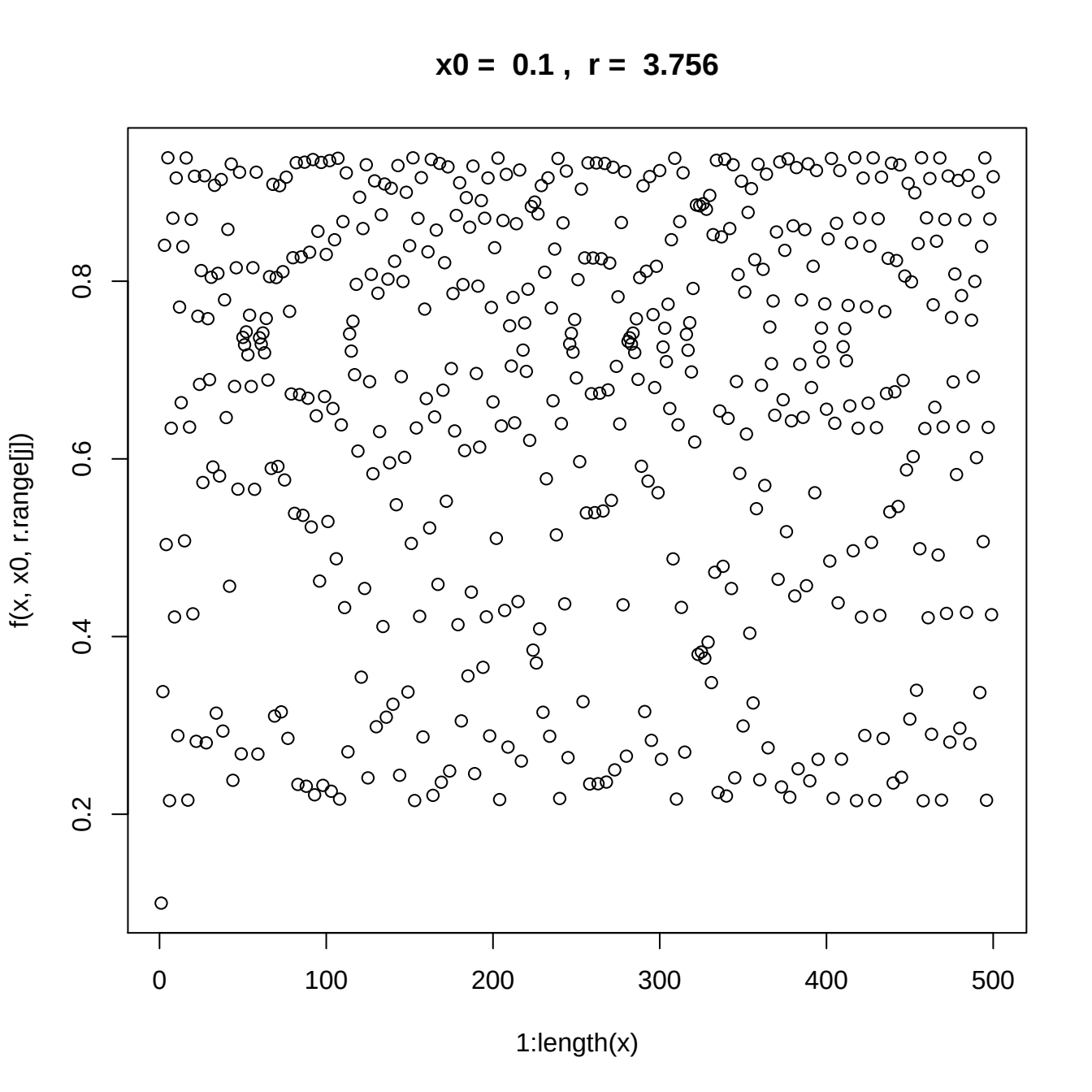

x0 = 0.1 , r = 3.746
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

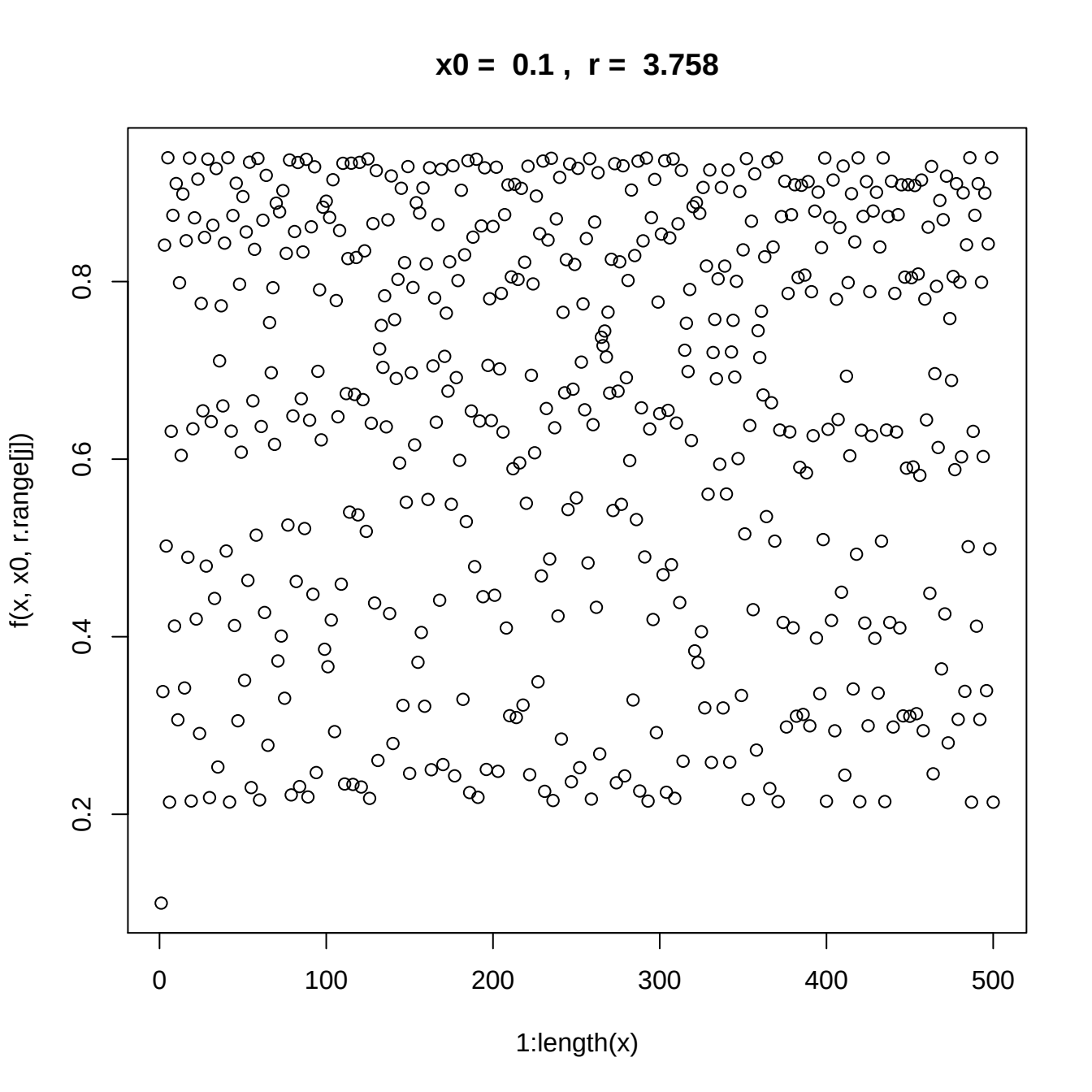

x0 = 0.1 , r = 3.748
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

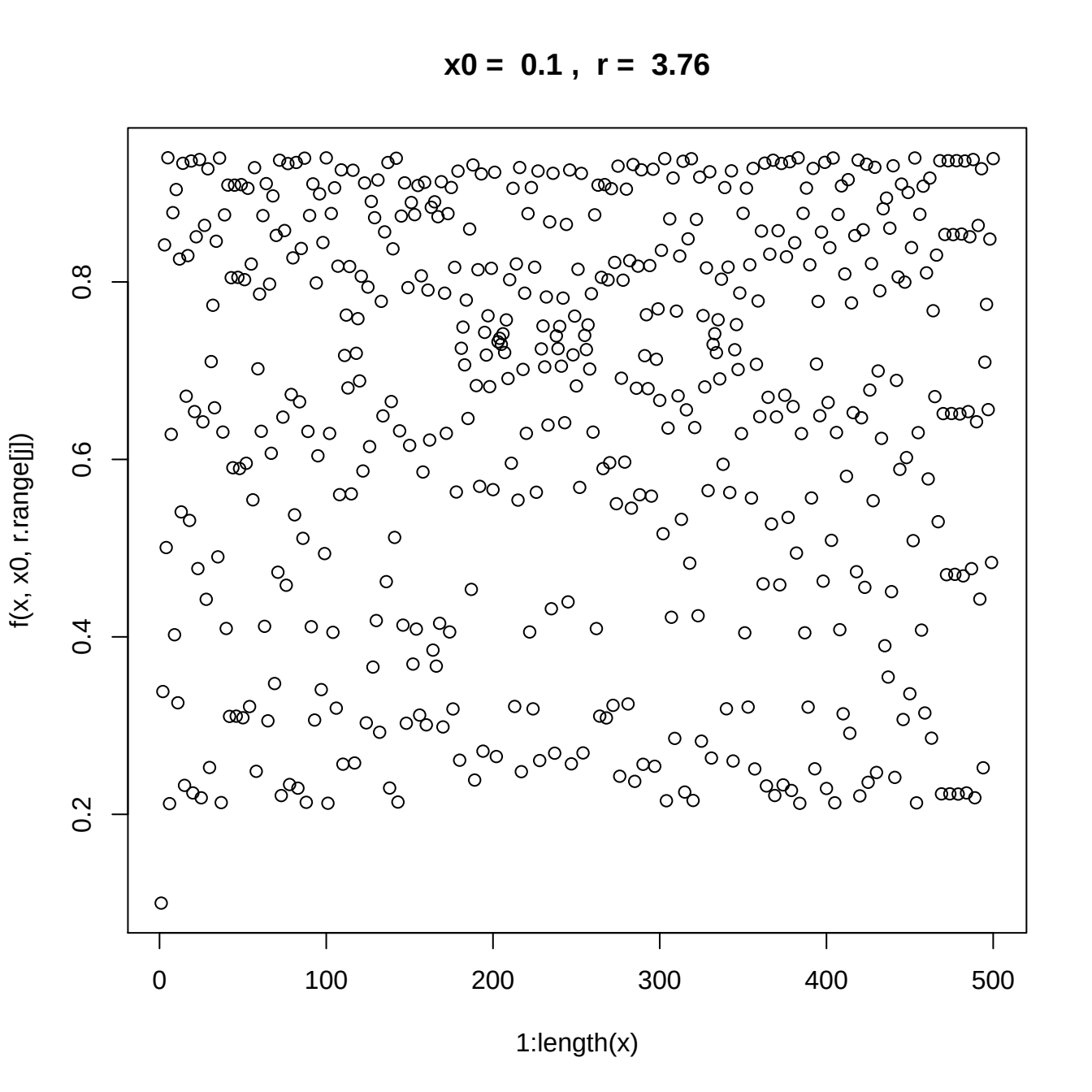

x0 = 0.1 , r = 3.75
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

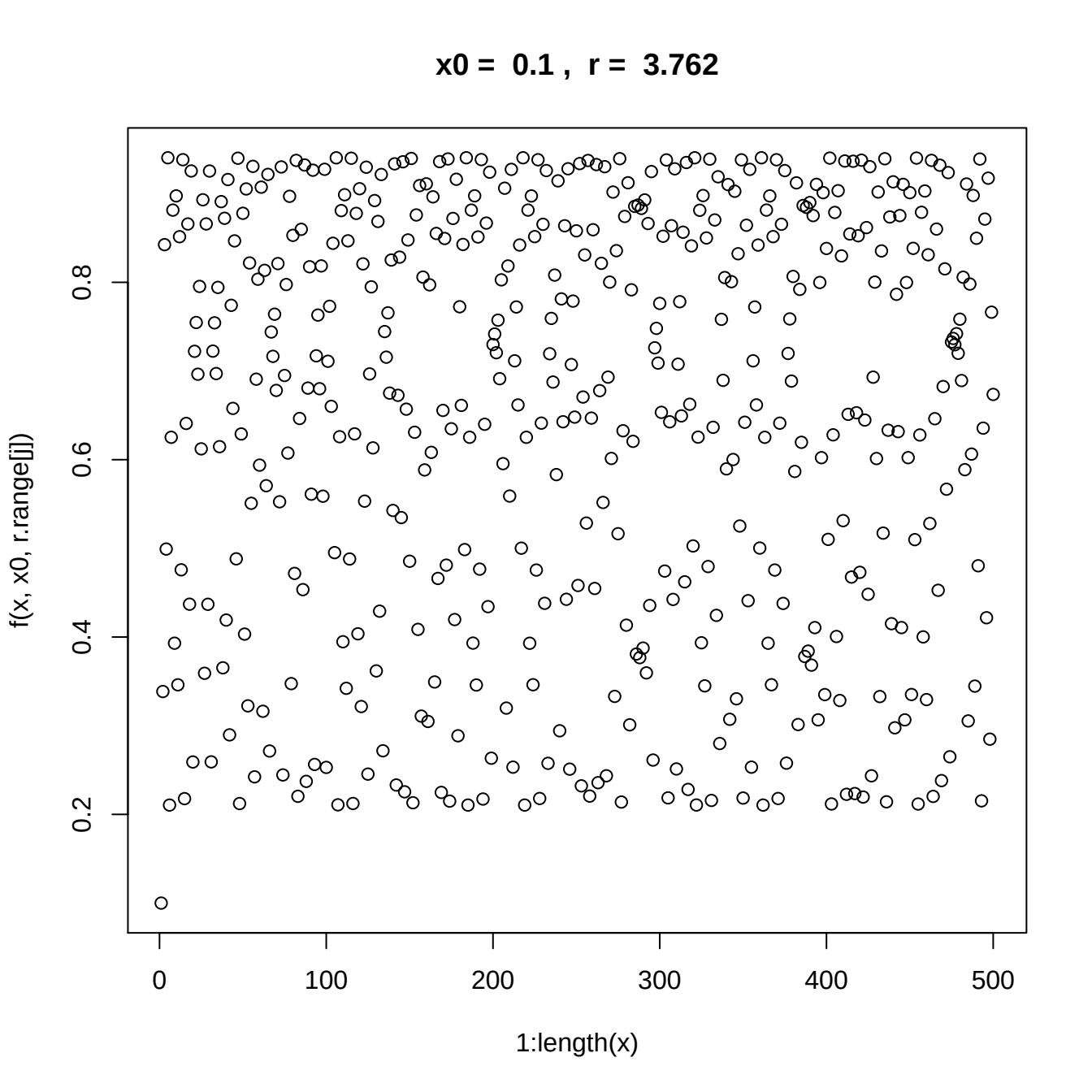

x0 = 0.1 , r = 3.752
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

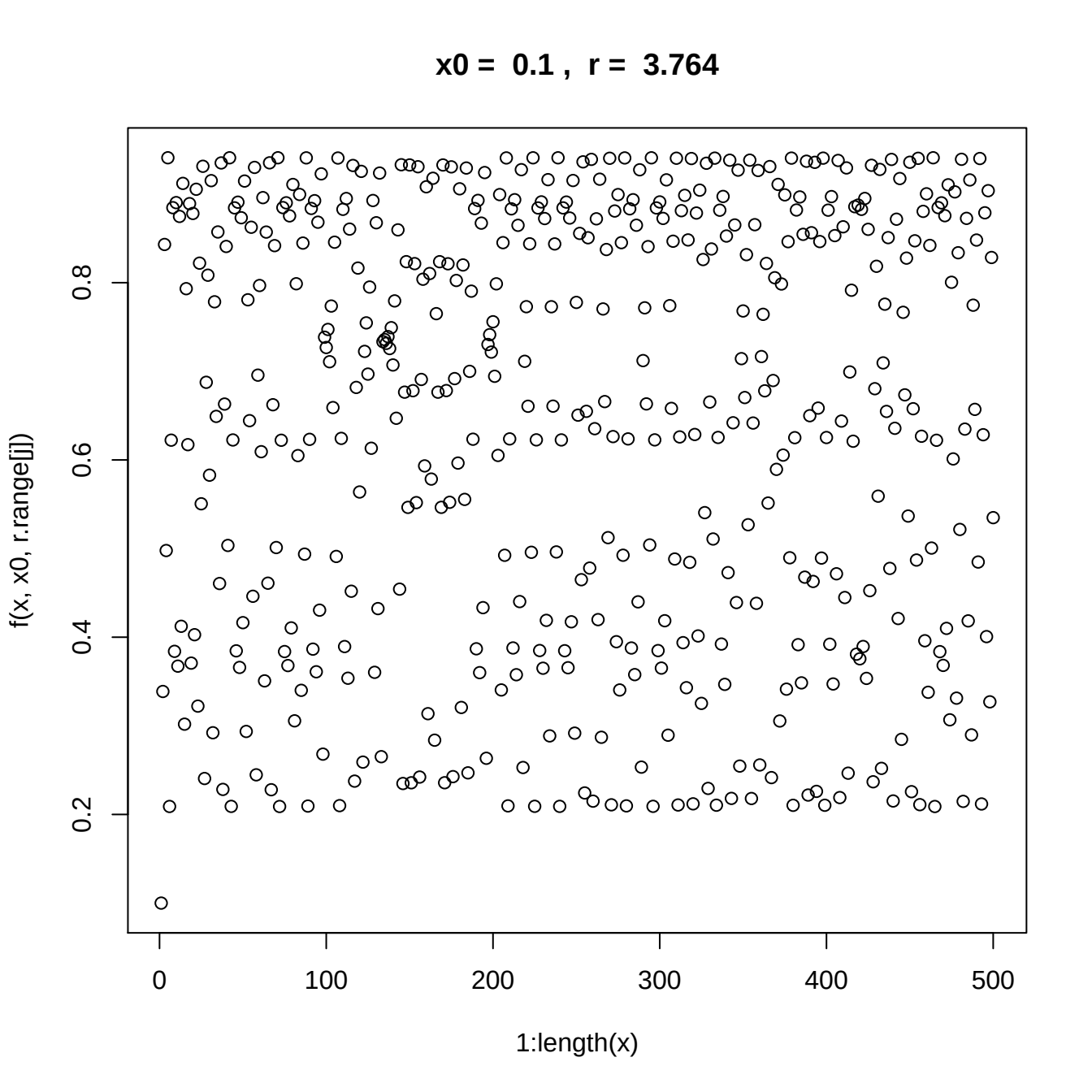

x0 = 0.1 , r = 3.754
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

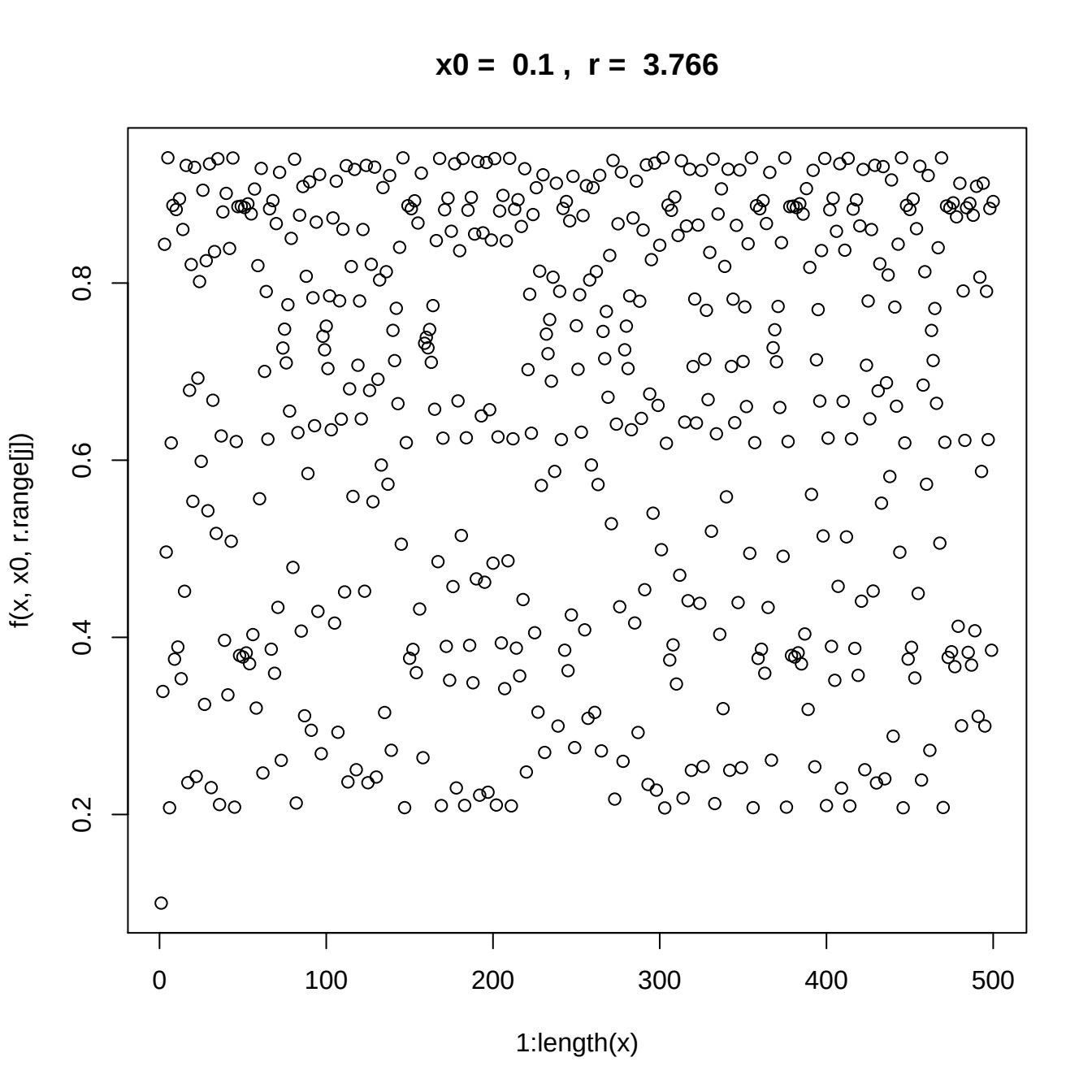

x0 = 0.1 , r = 3.756
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

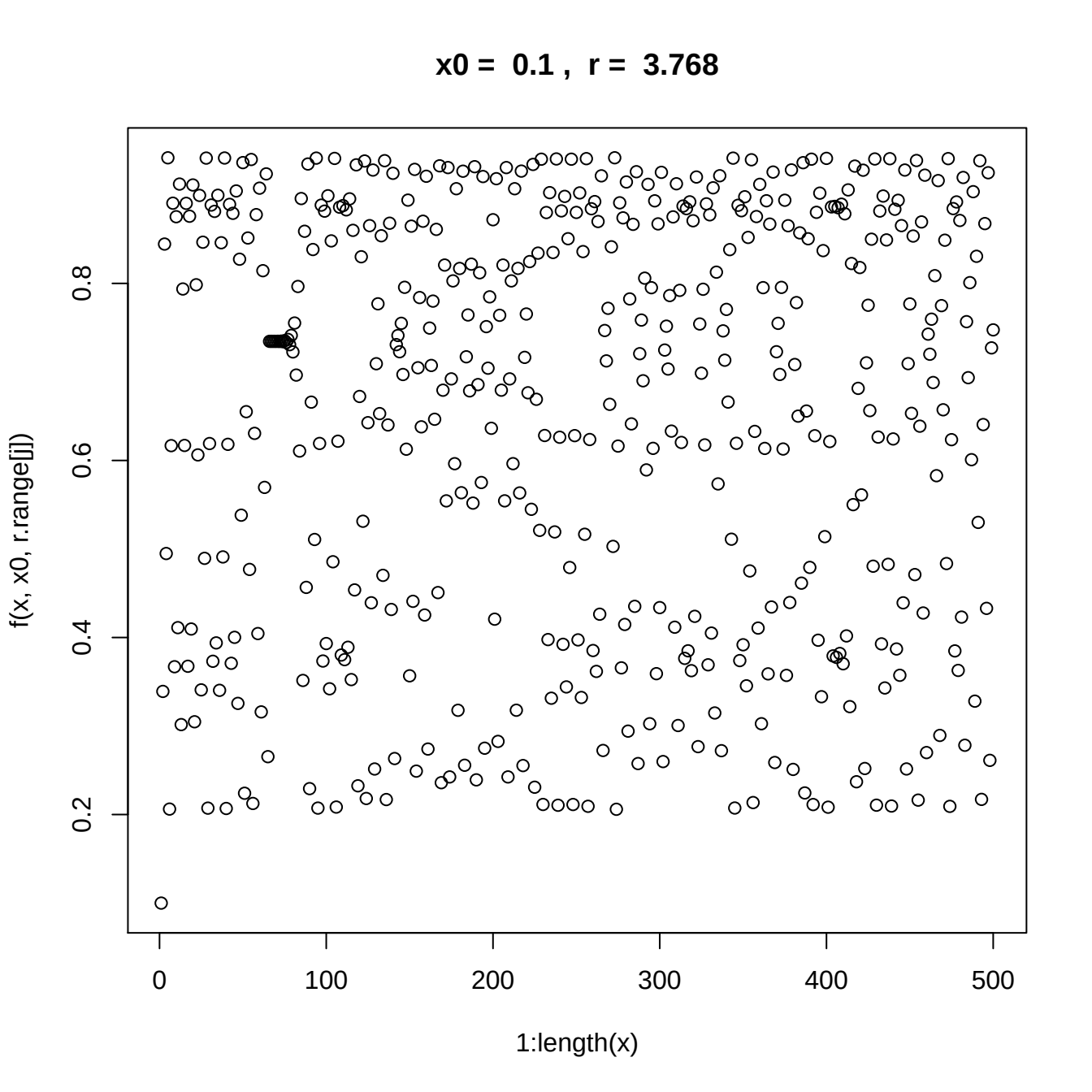

x0 = 0.1 , r = 3.758
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

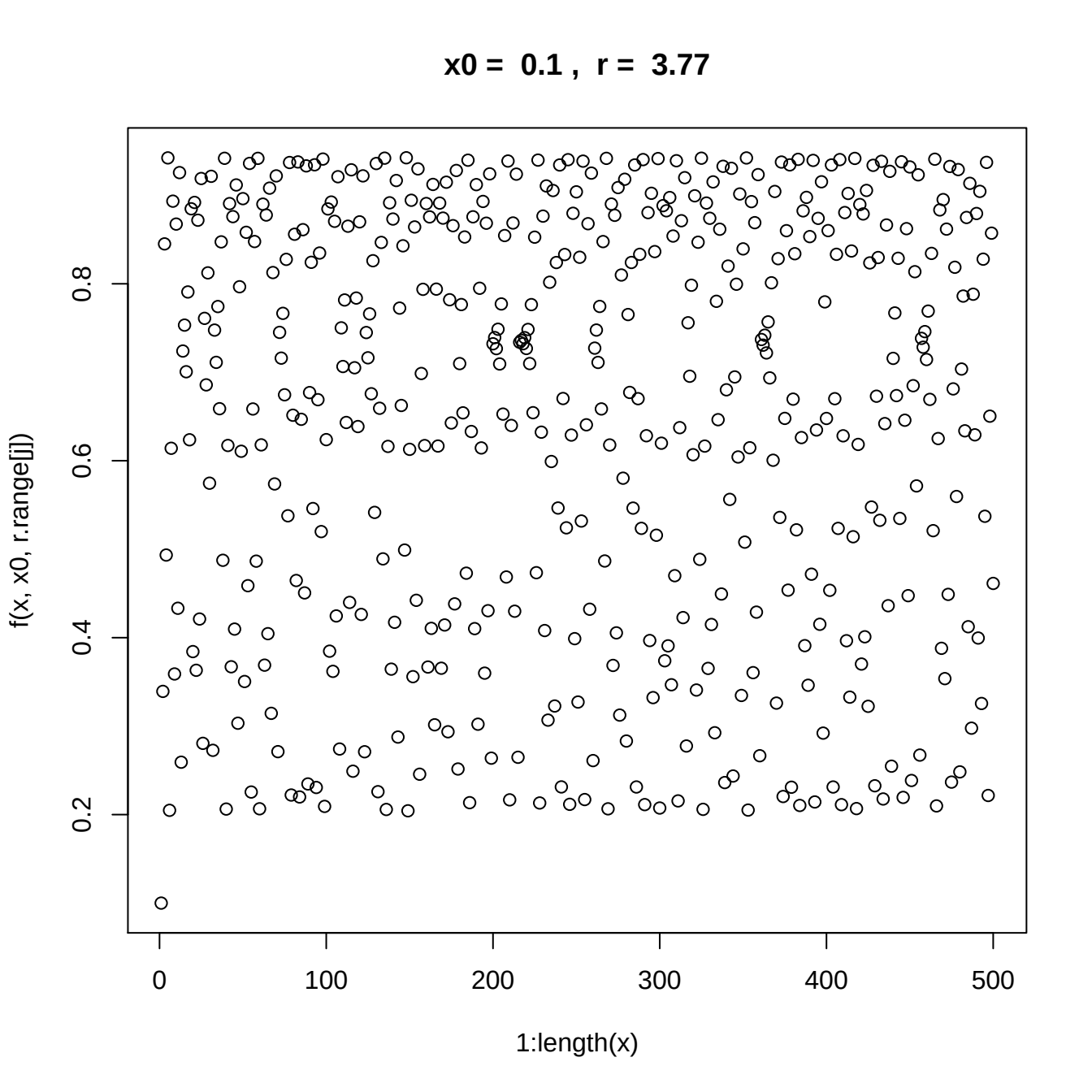

x0 = 0.1 , r = 3.76
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

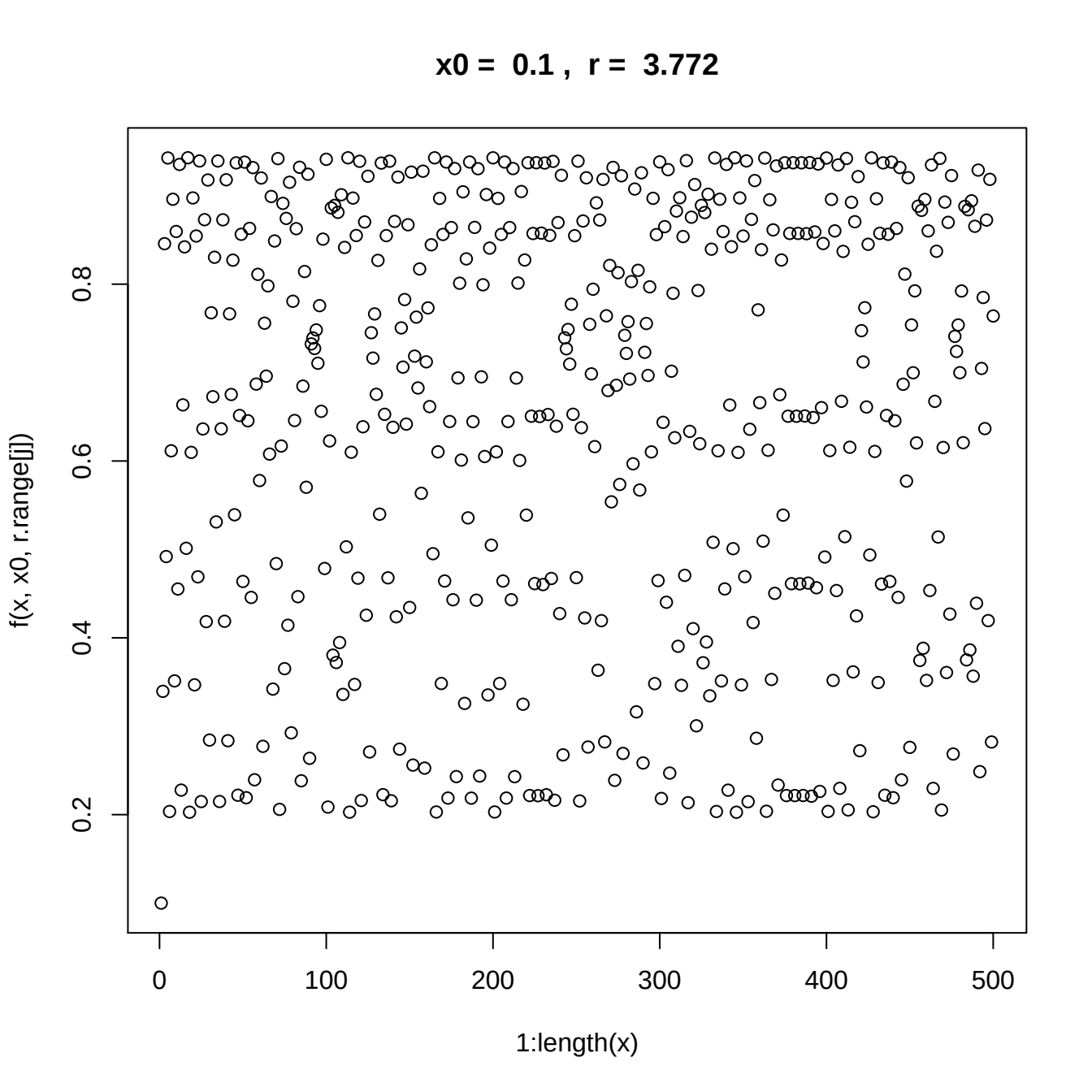

x0 = 0.1 , r = 3.762
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

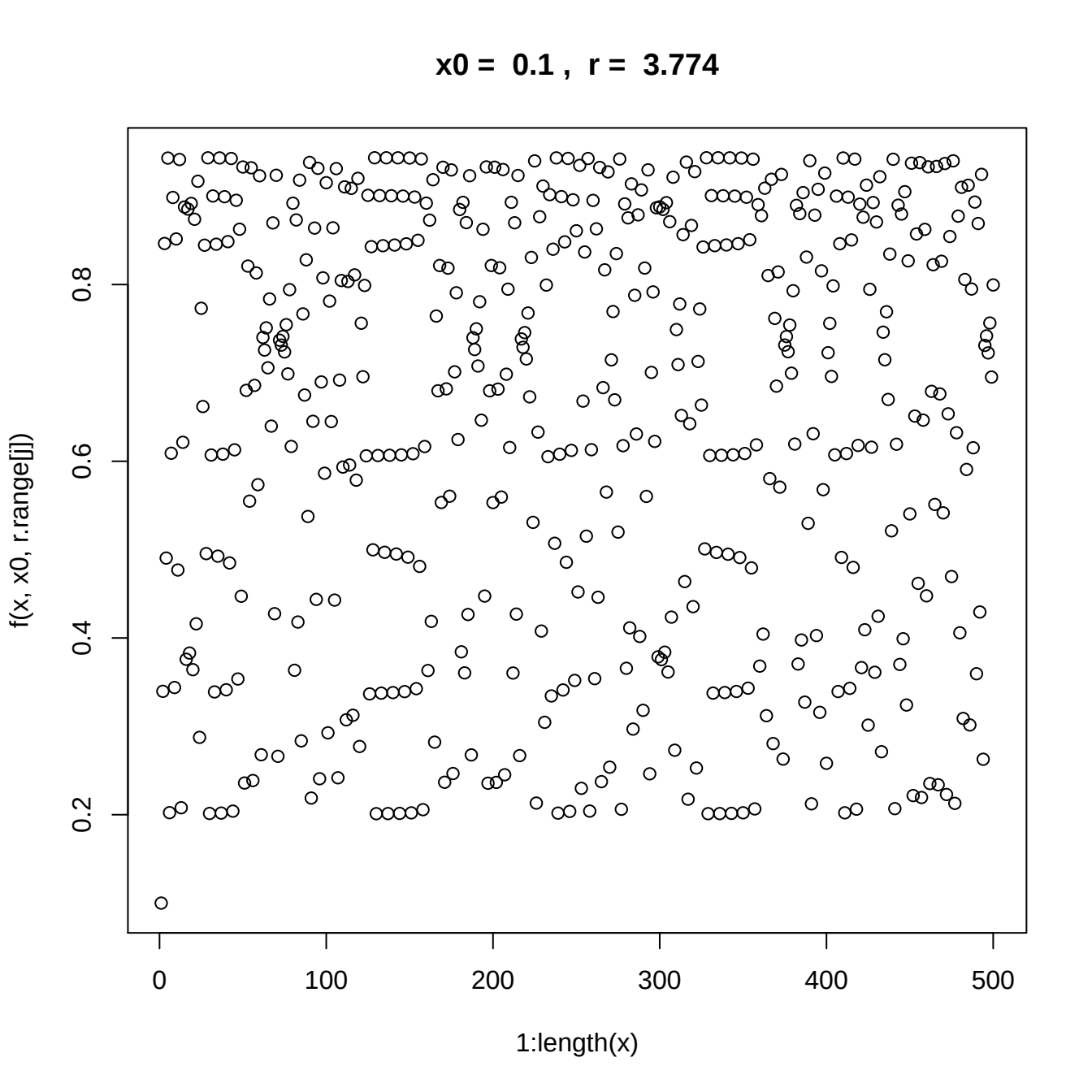

x0 = 0.1 , r = 3.764
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

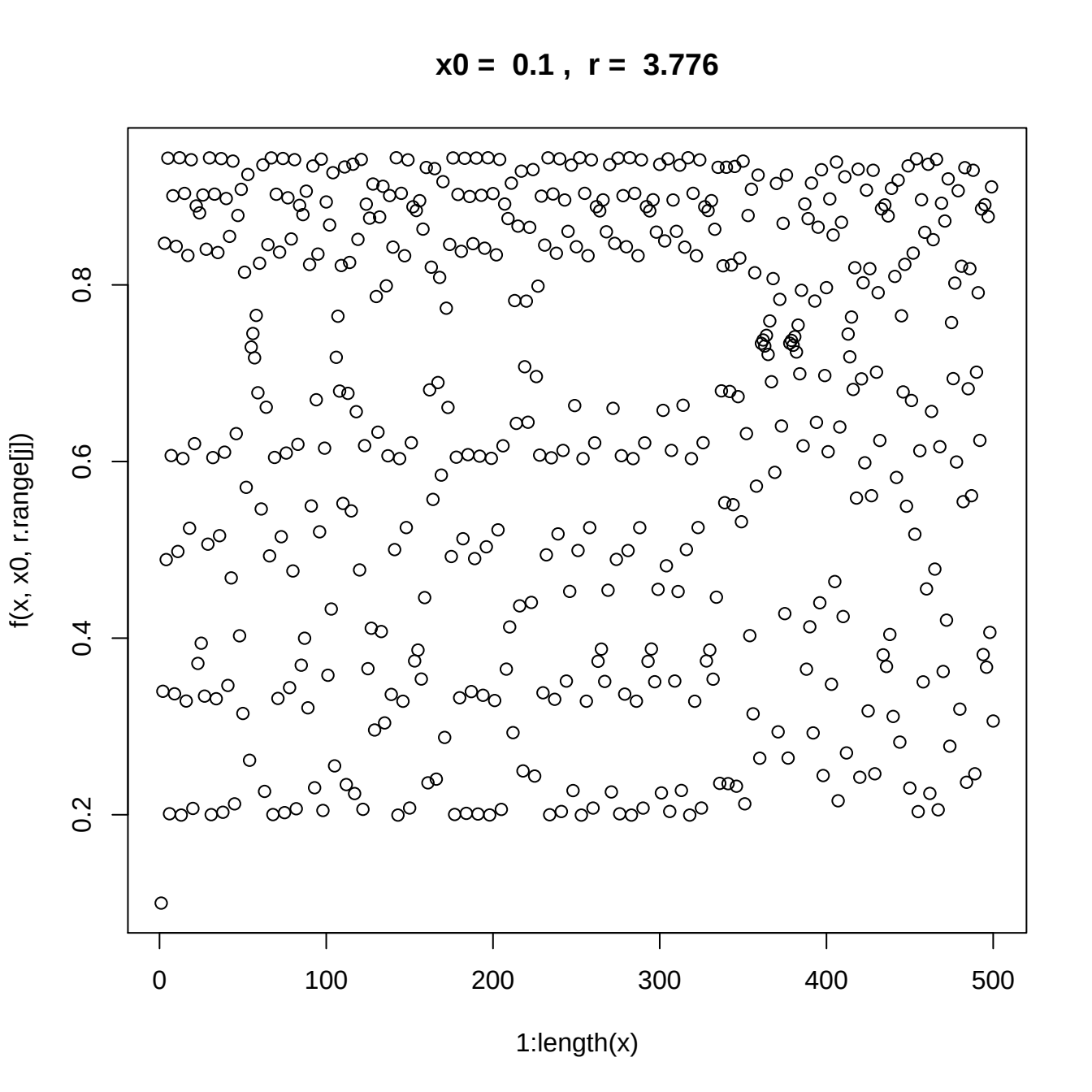

x0 = 0.1 , r = 3.766
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

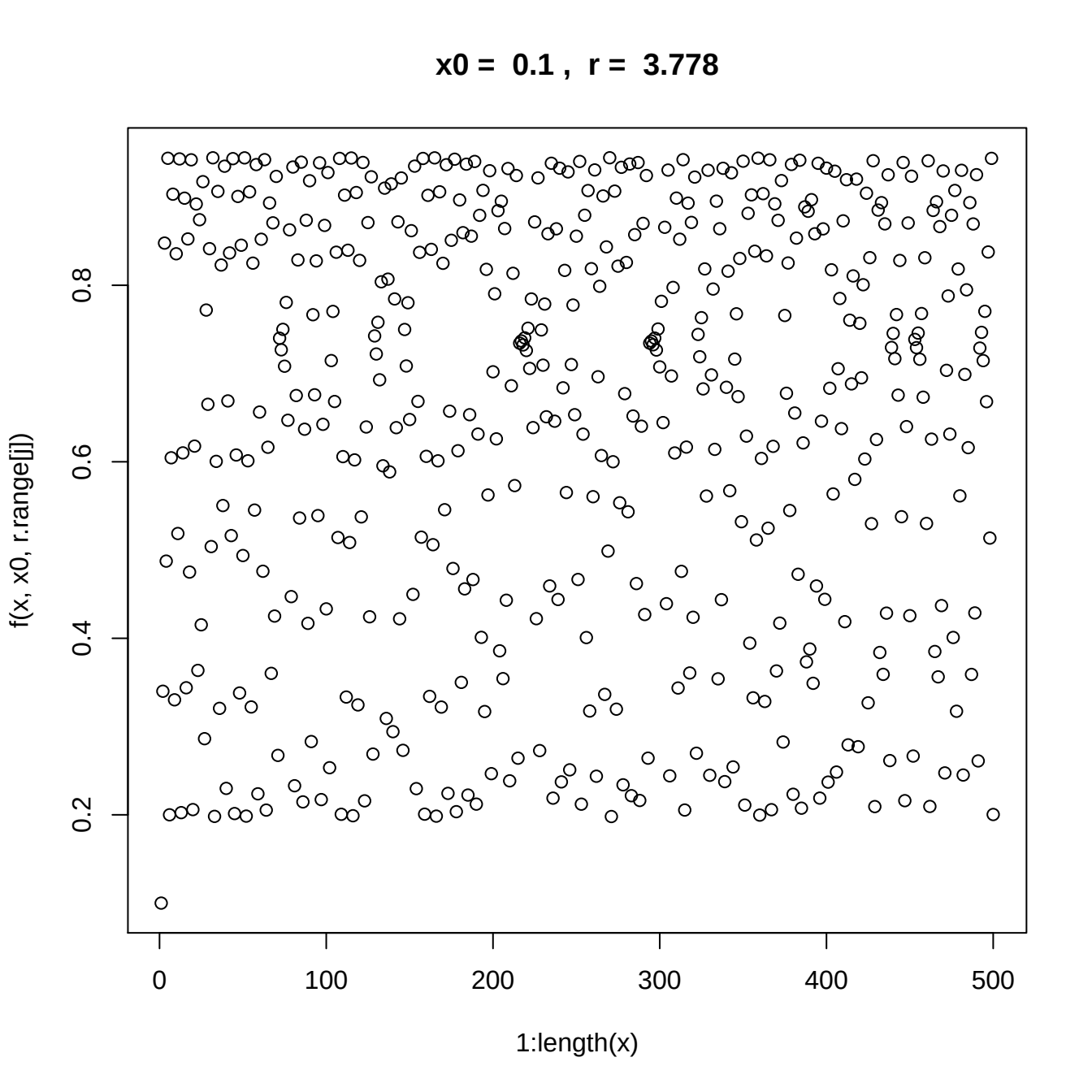

x0 = 0.1 , r = 3.768
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

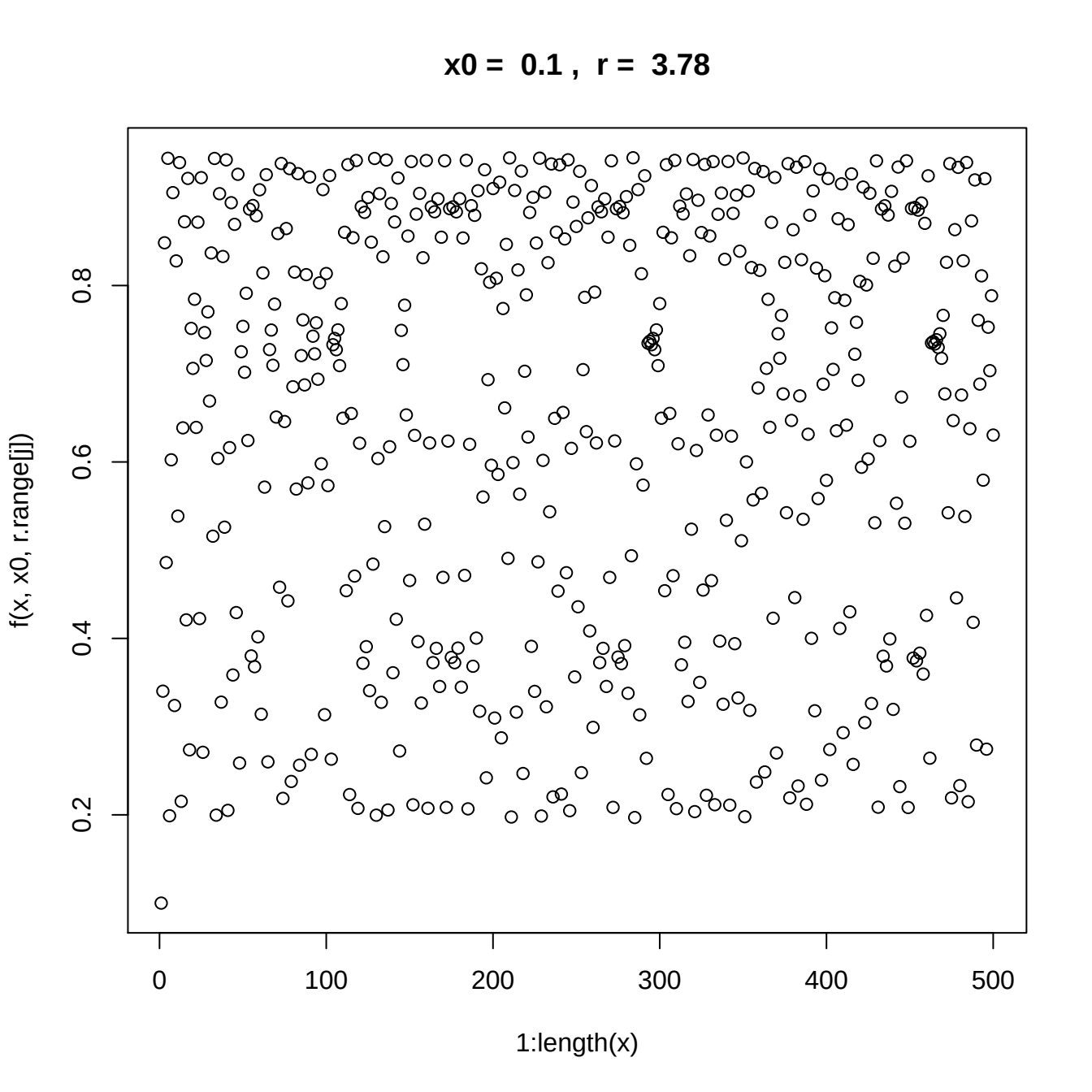

x0 = 0.1 , r = 3.77
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

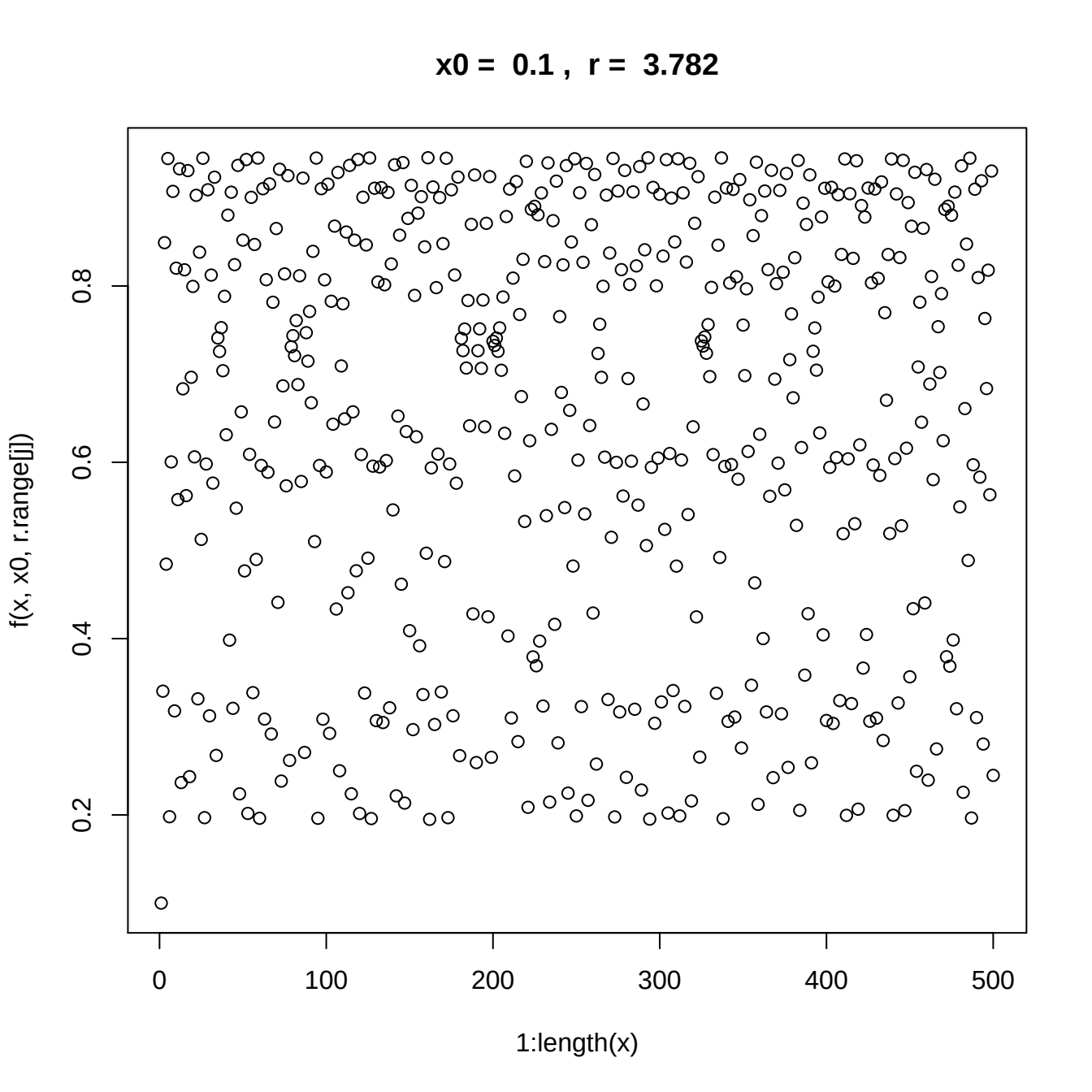

x0 = 0.1 , r = 3.772
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

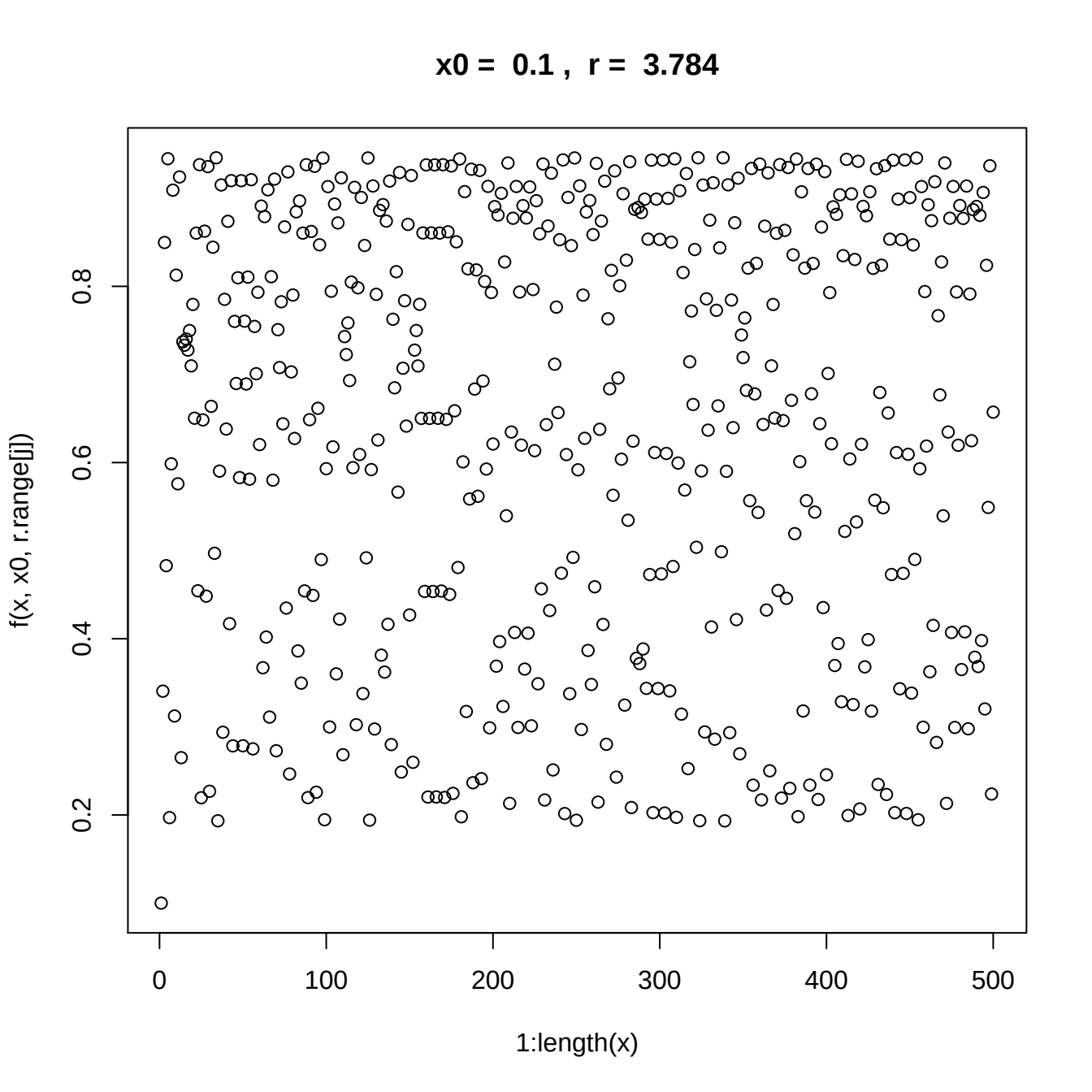

x0 = 0.1 , r = 3.774
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

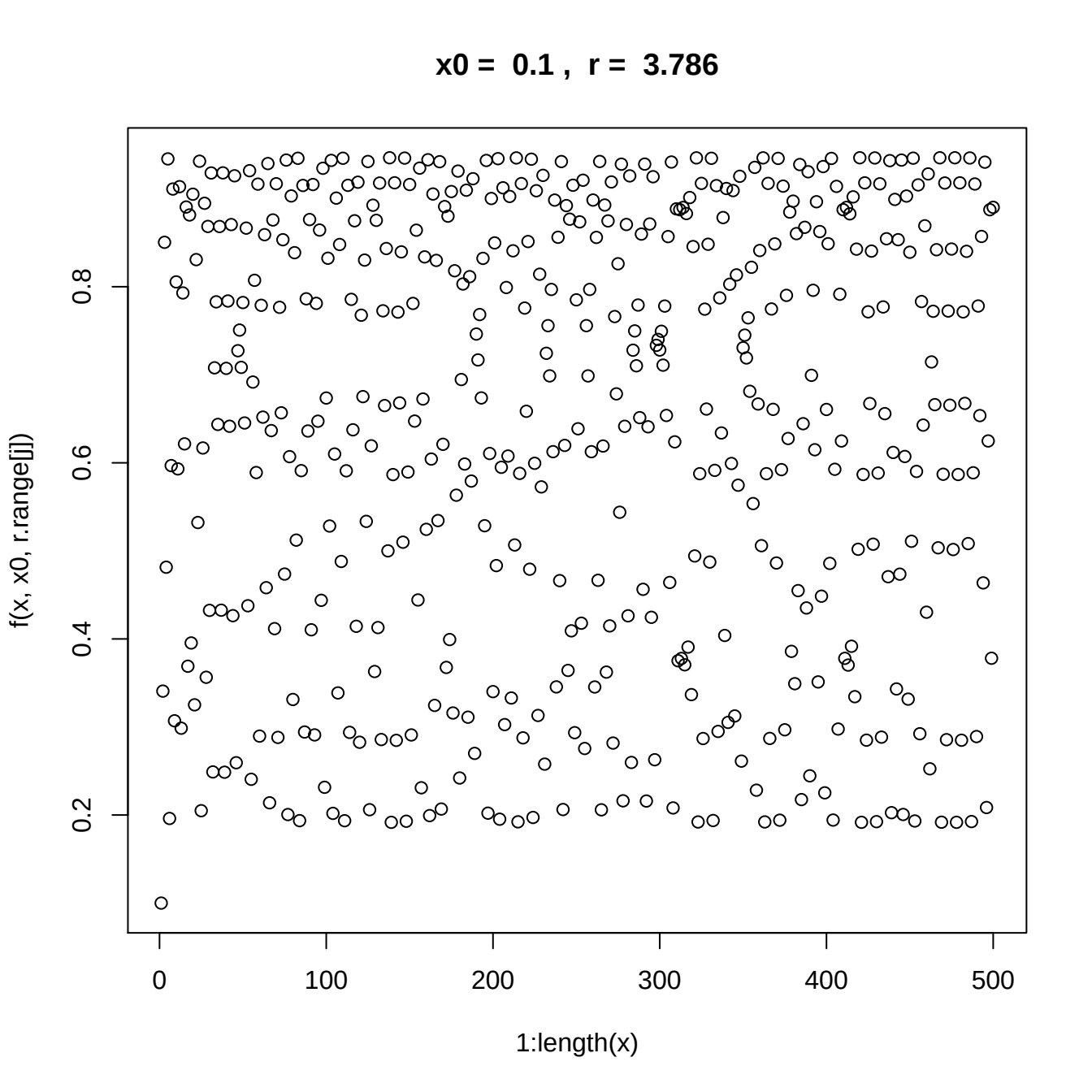

x0 = 0.1 , r = 3.776
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

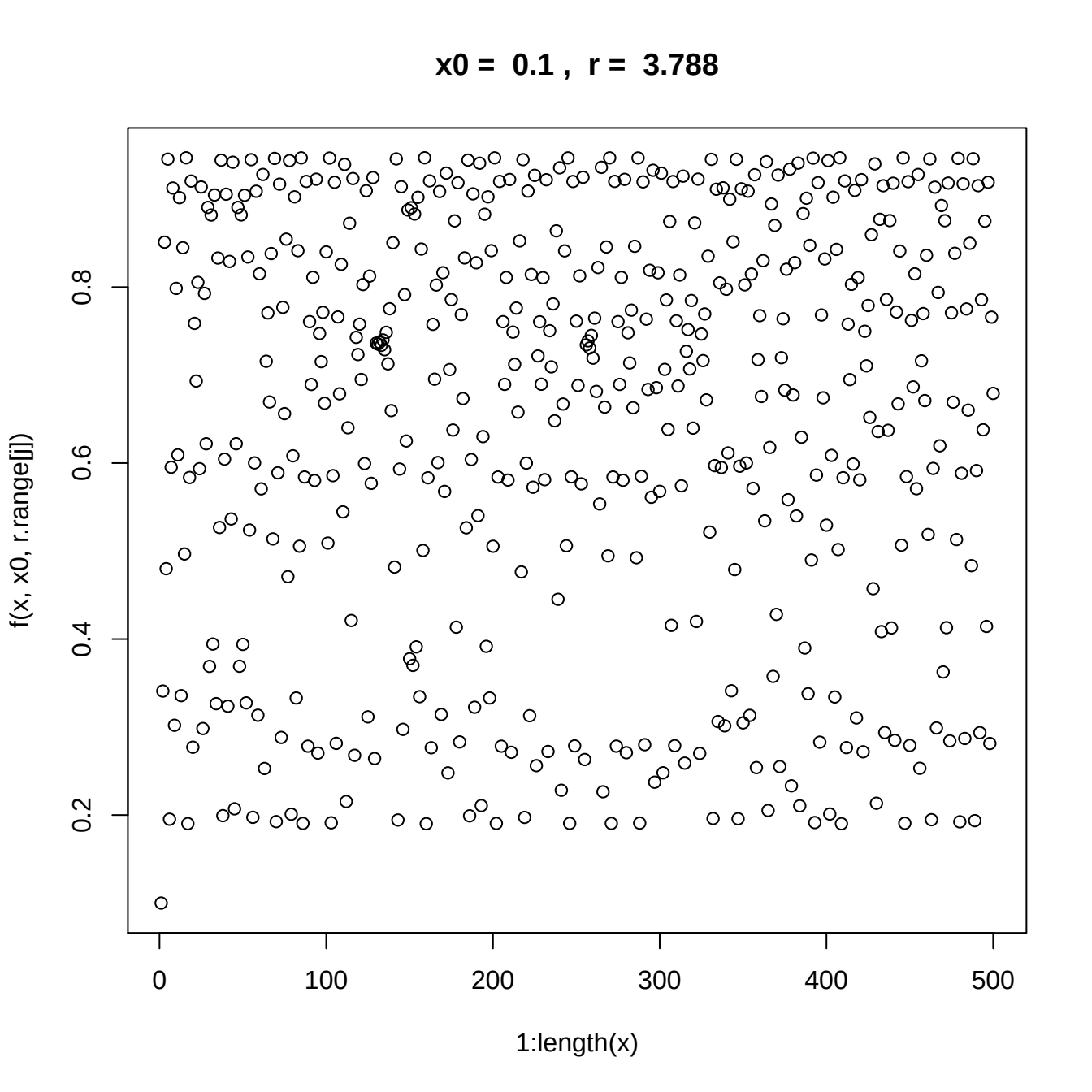

x0 = 0.1 , r = 3.778
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

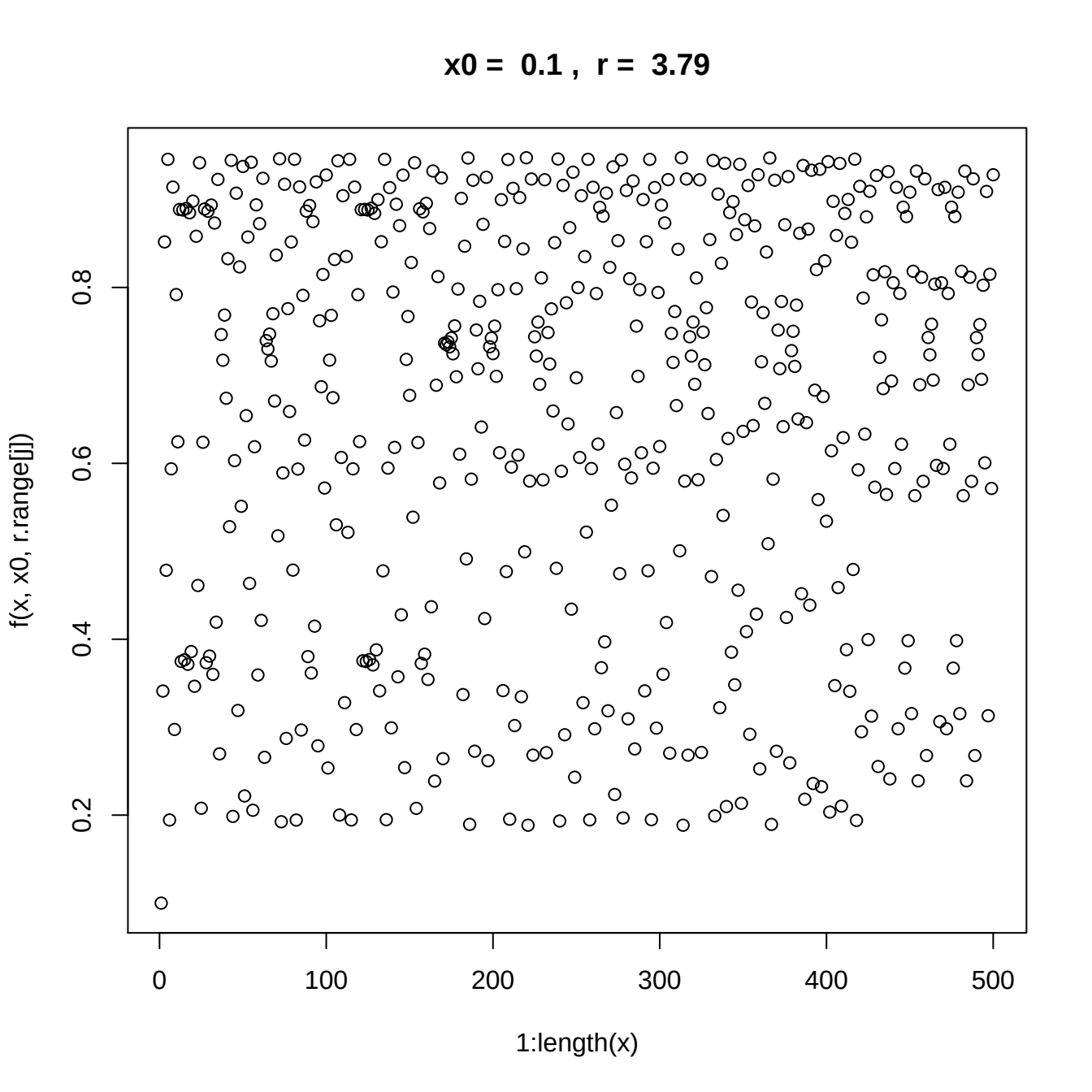

x0 = 0.1 , r = 3.78
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

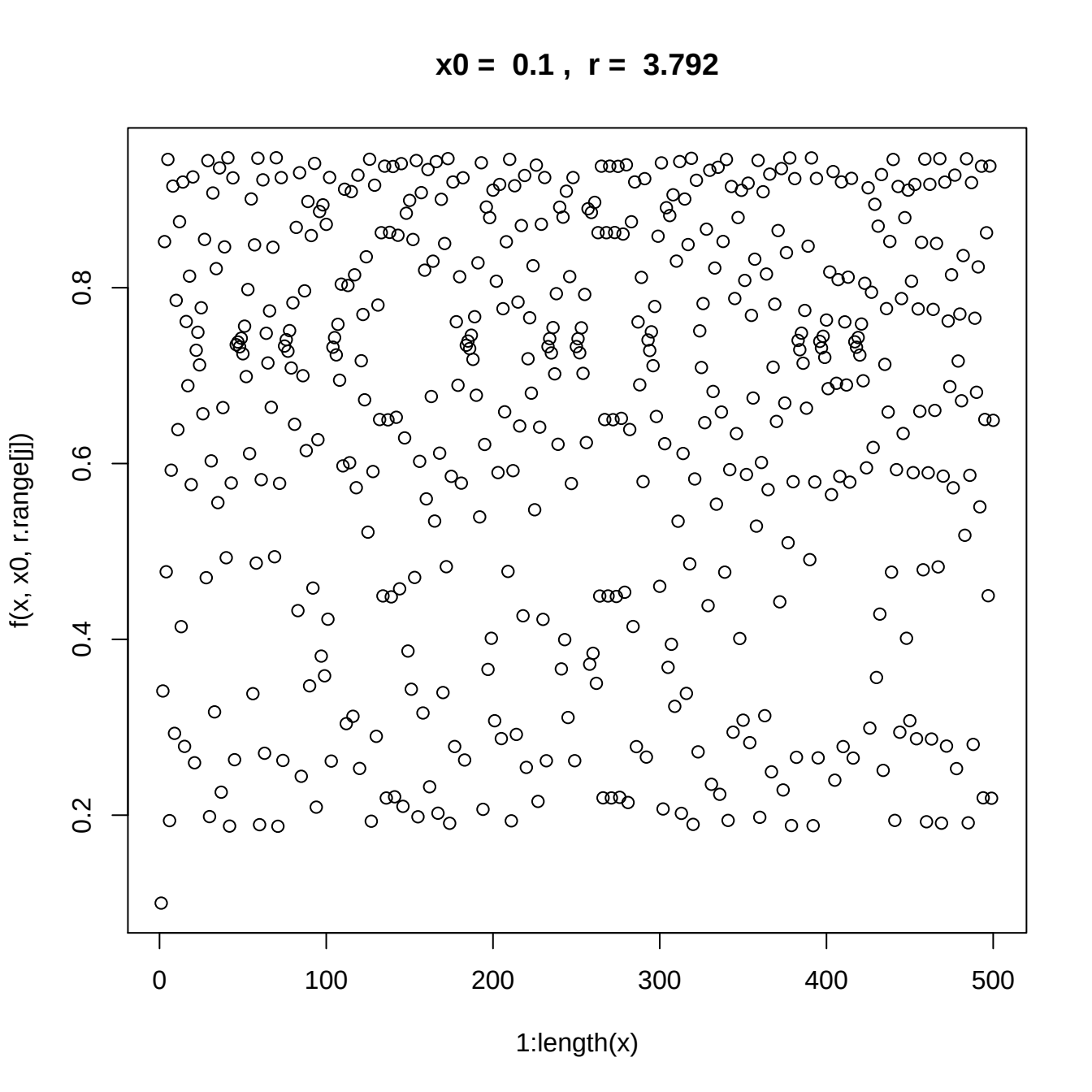

x0 = 0.1 , r = 3.782
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

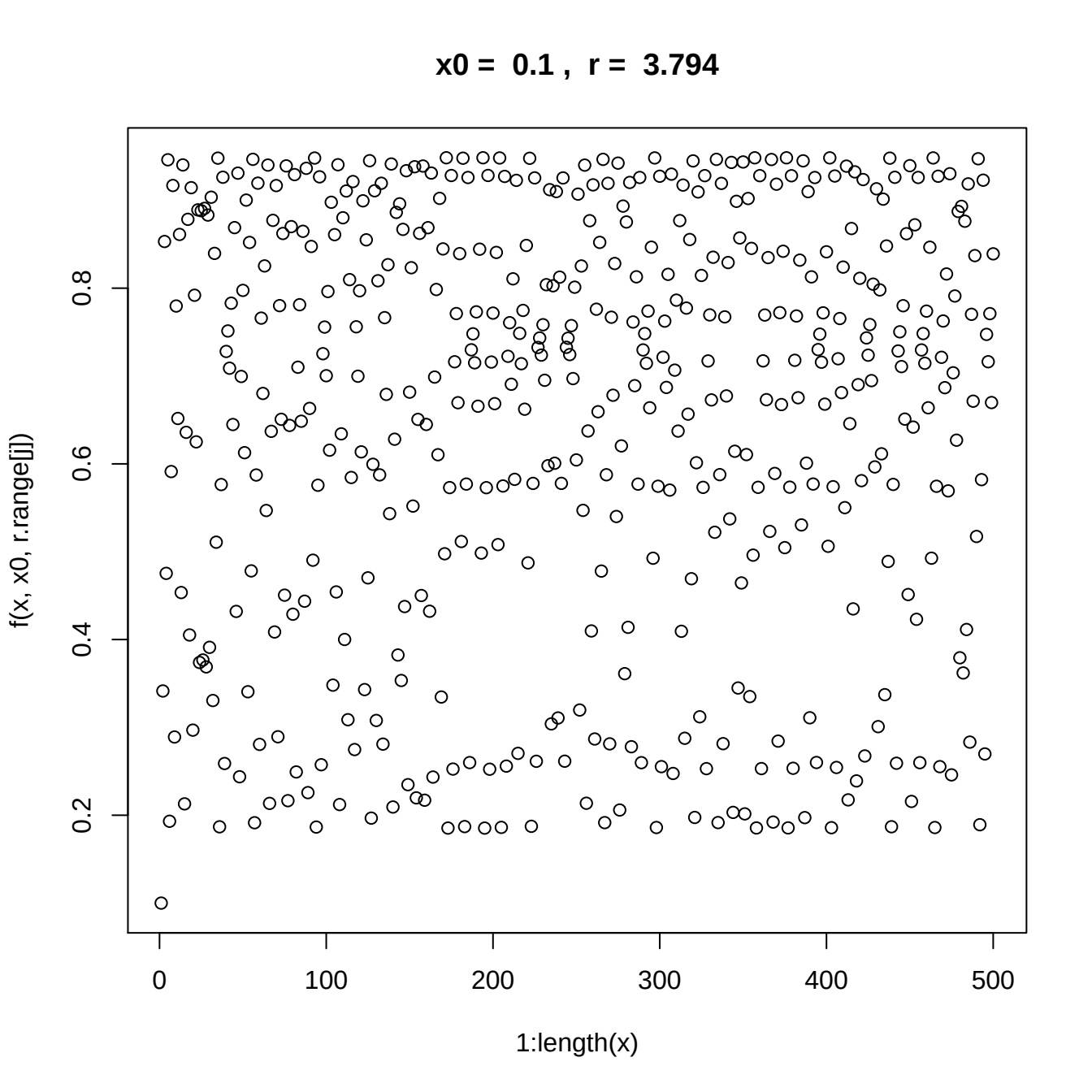

x0 = 0.1 , r = 3.784
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

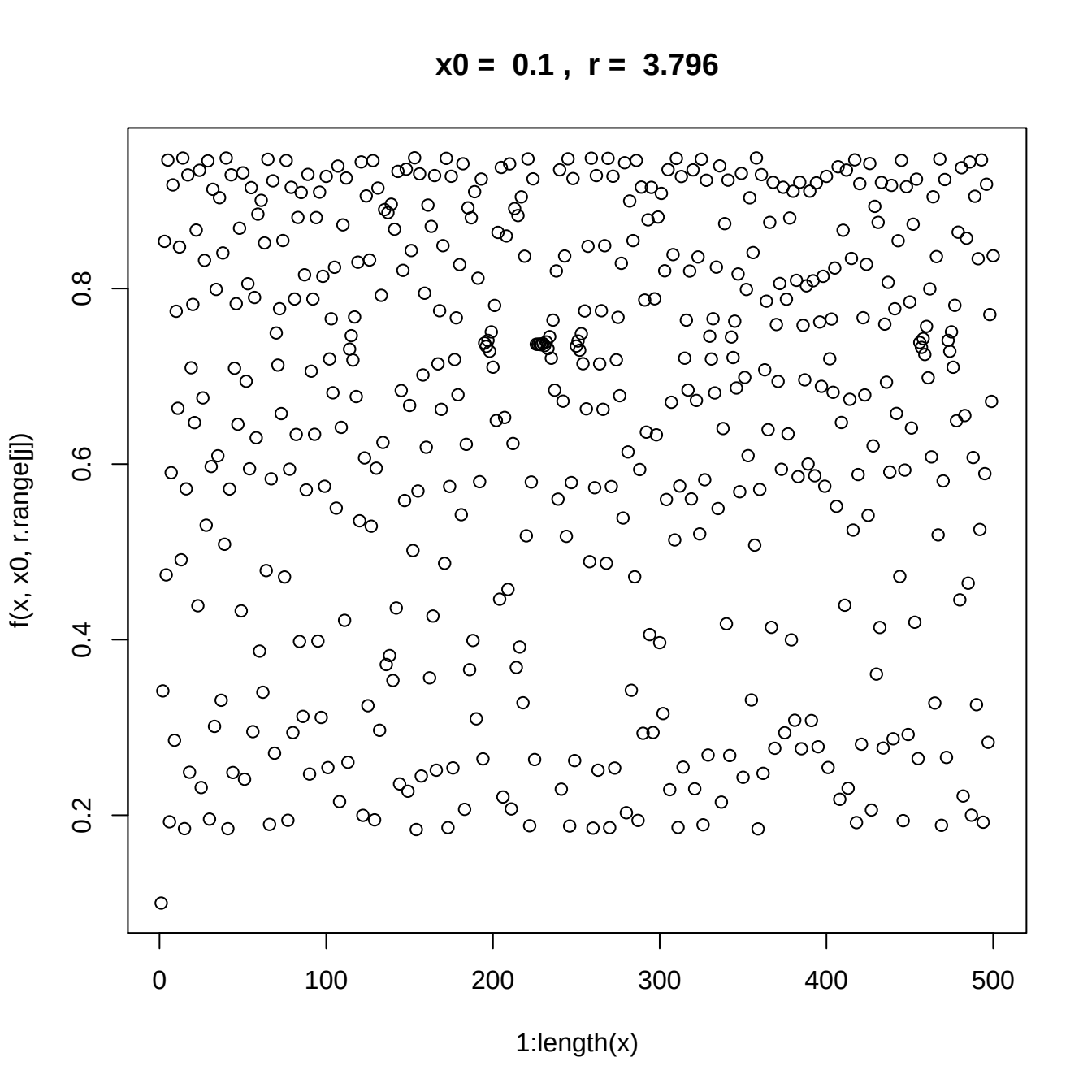

x0 = 0.1 , r = 3.786
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

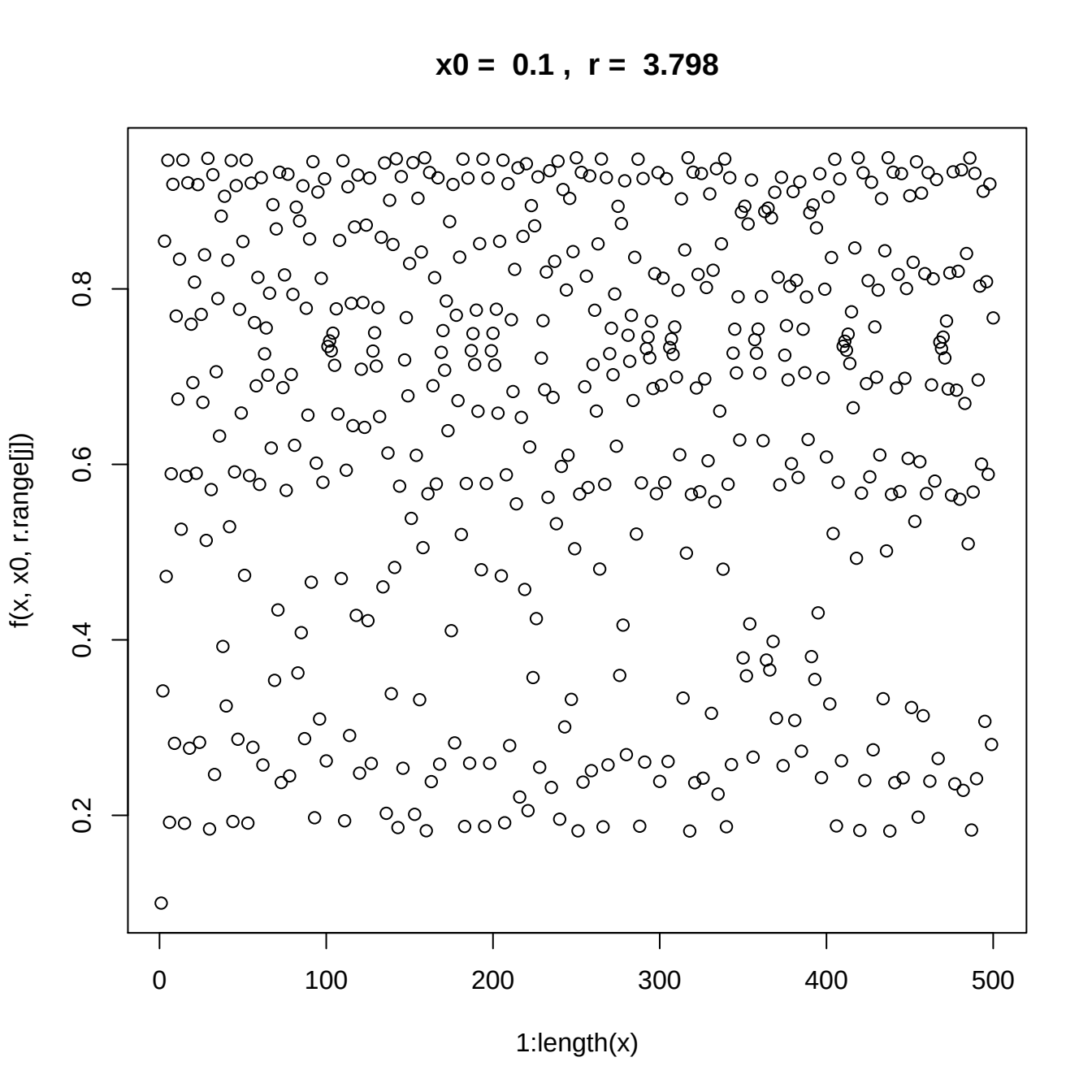

x0 = 0.1 , r = 3.788
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

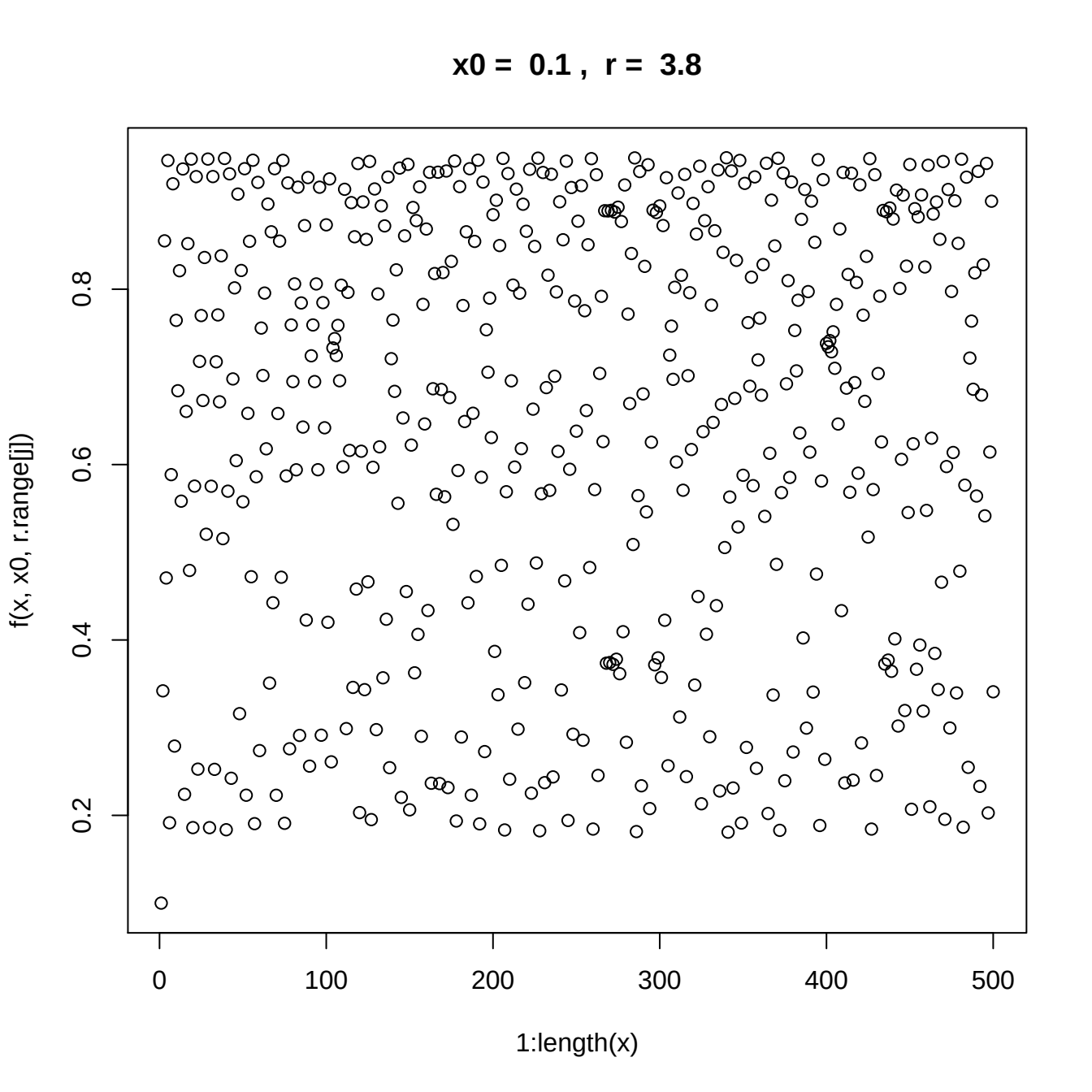

x0 = 0.1 , r = 3.79
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

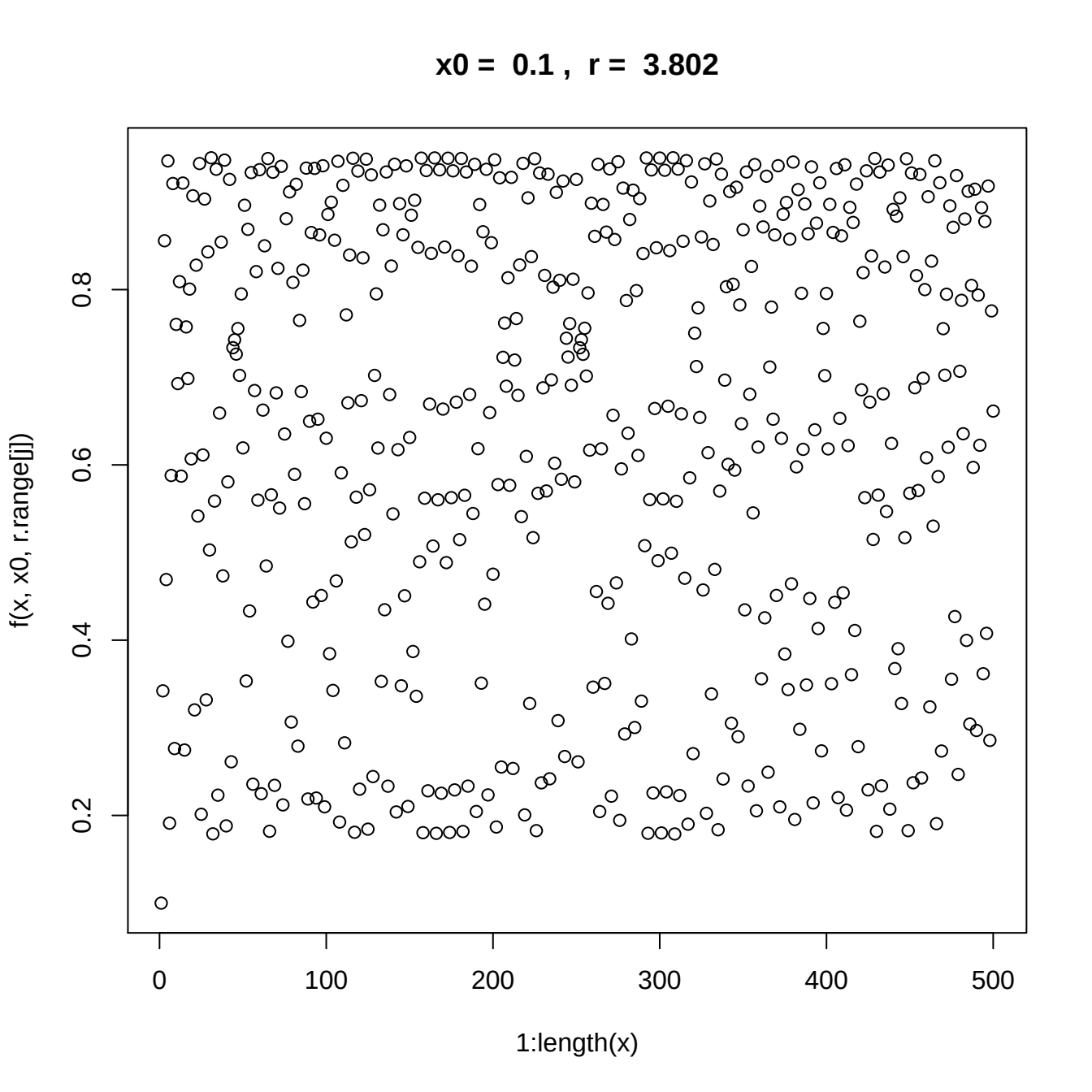

x0 = 0.1 , r = 3.792
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

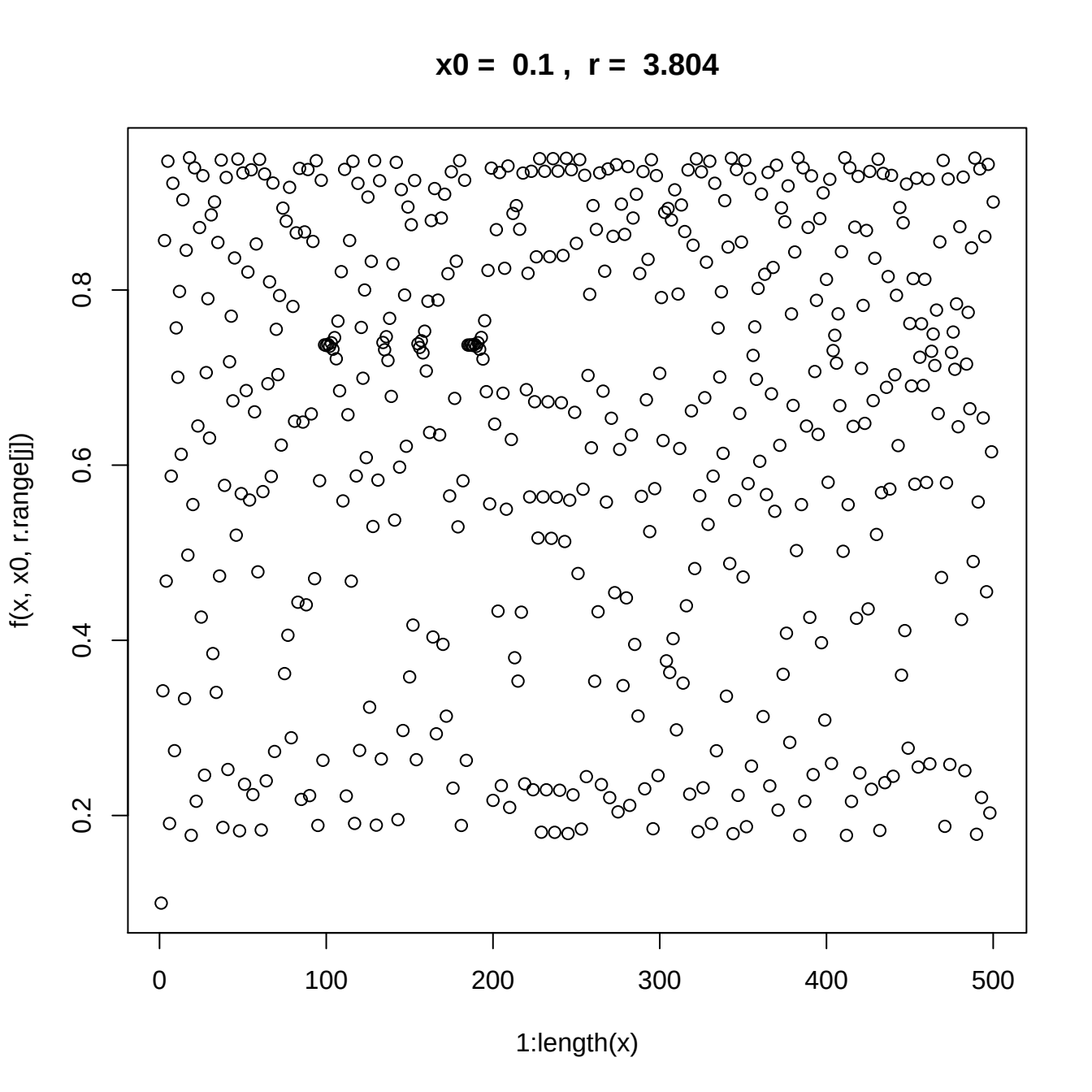

x0 = 0.1 , r = 3.794
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

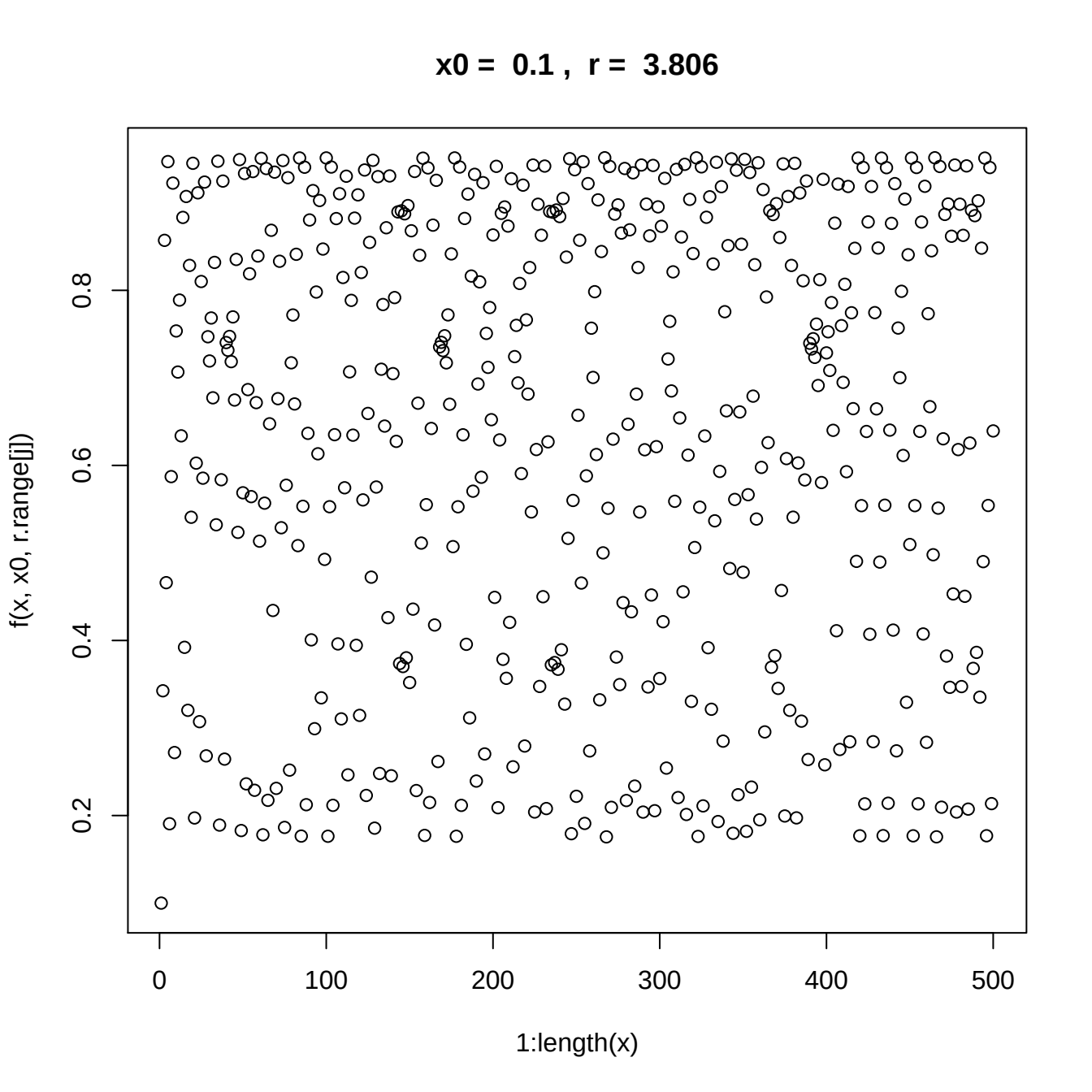

x0 = 0.1 , r = 3.796
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

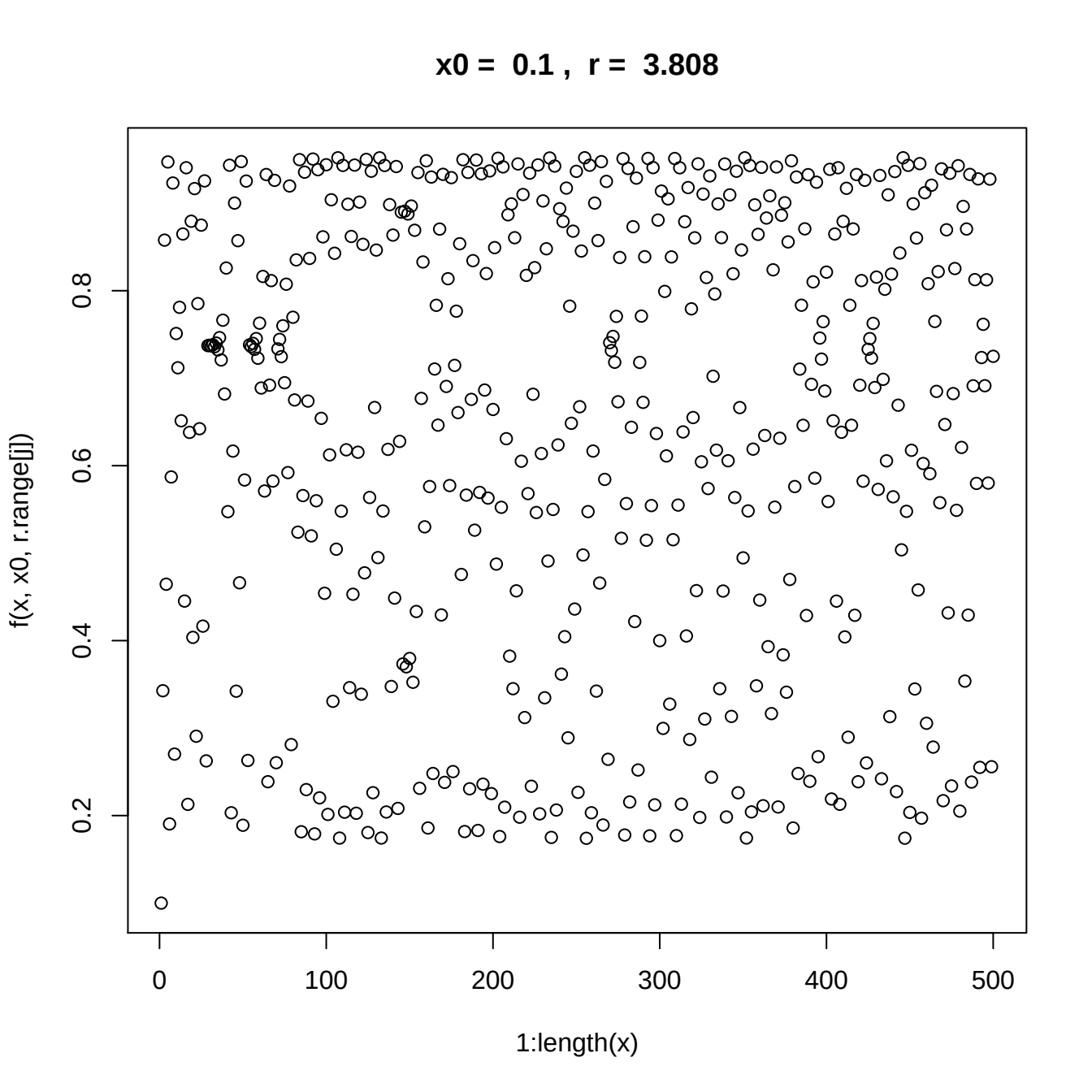

x0 = 0.1 , r = 3.798
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

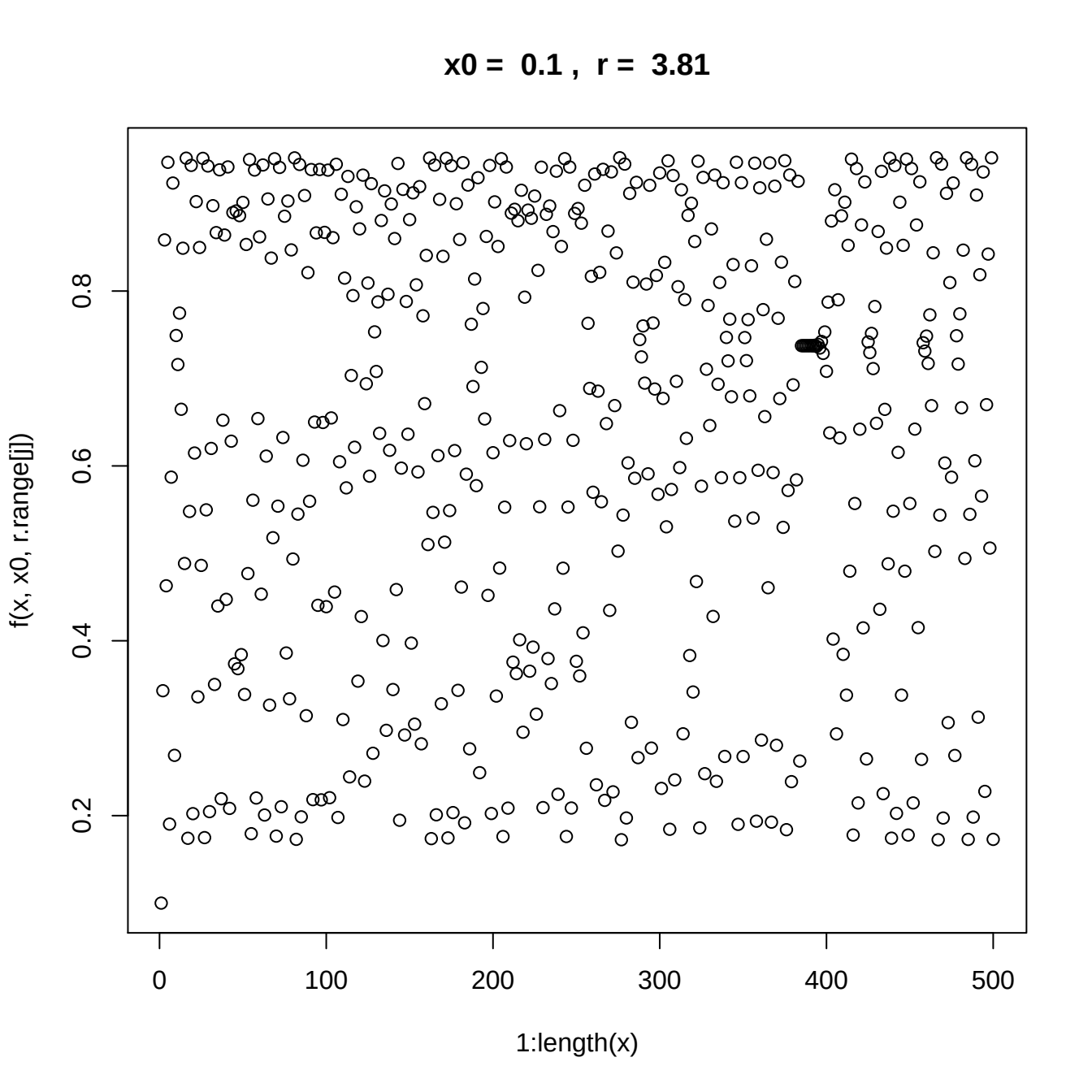

x0 = 0.1 , r = 3.8
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

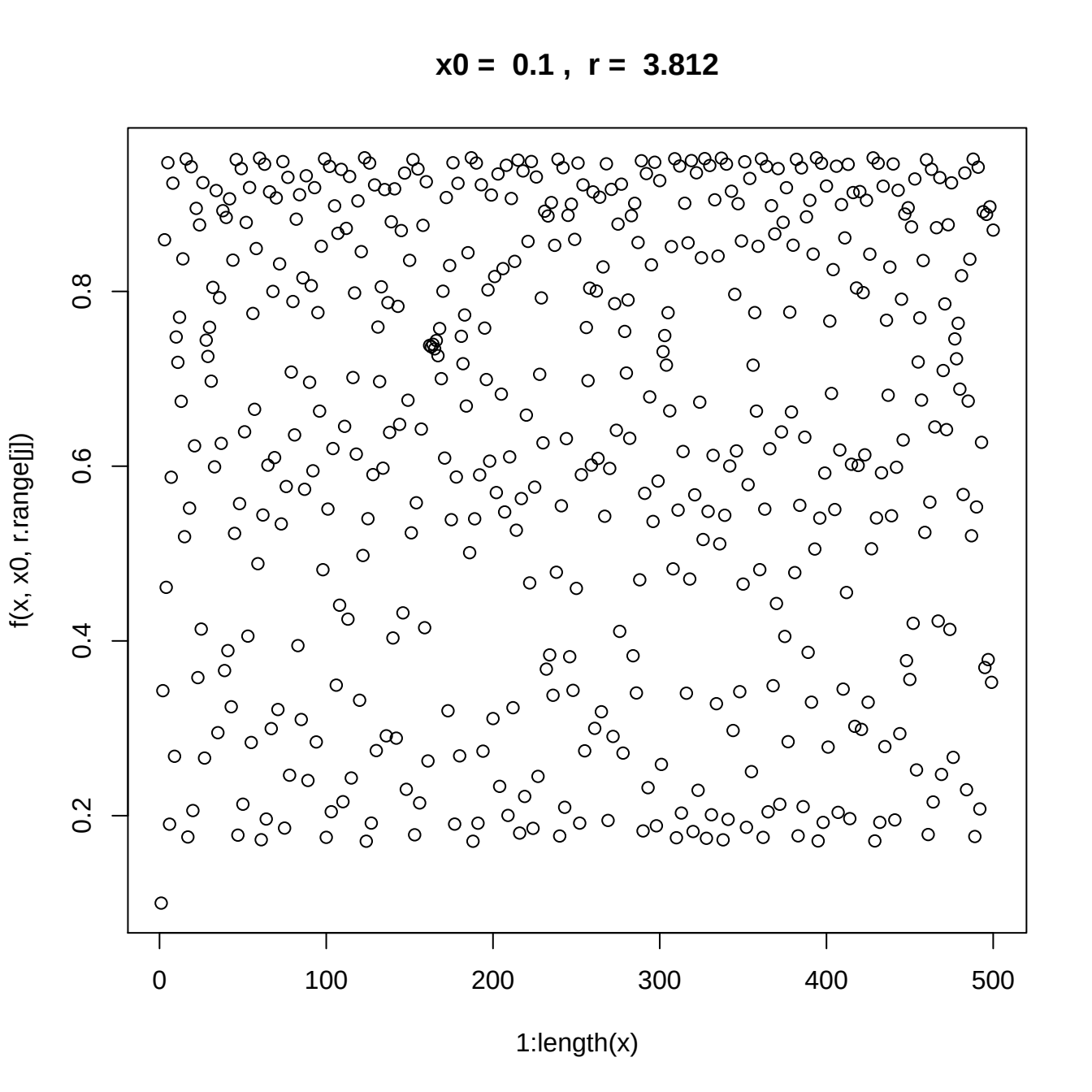

x0 = 0.1 , r = 3.802
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

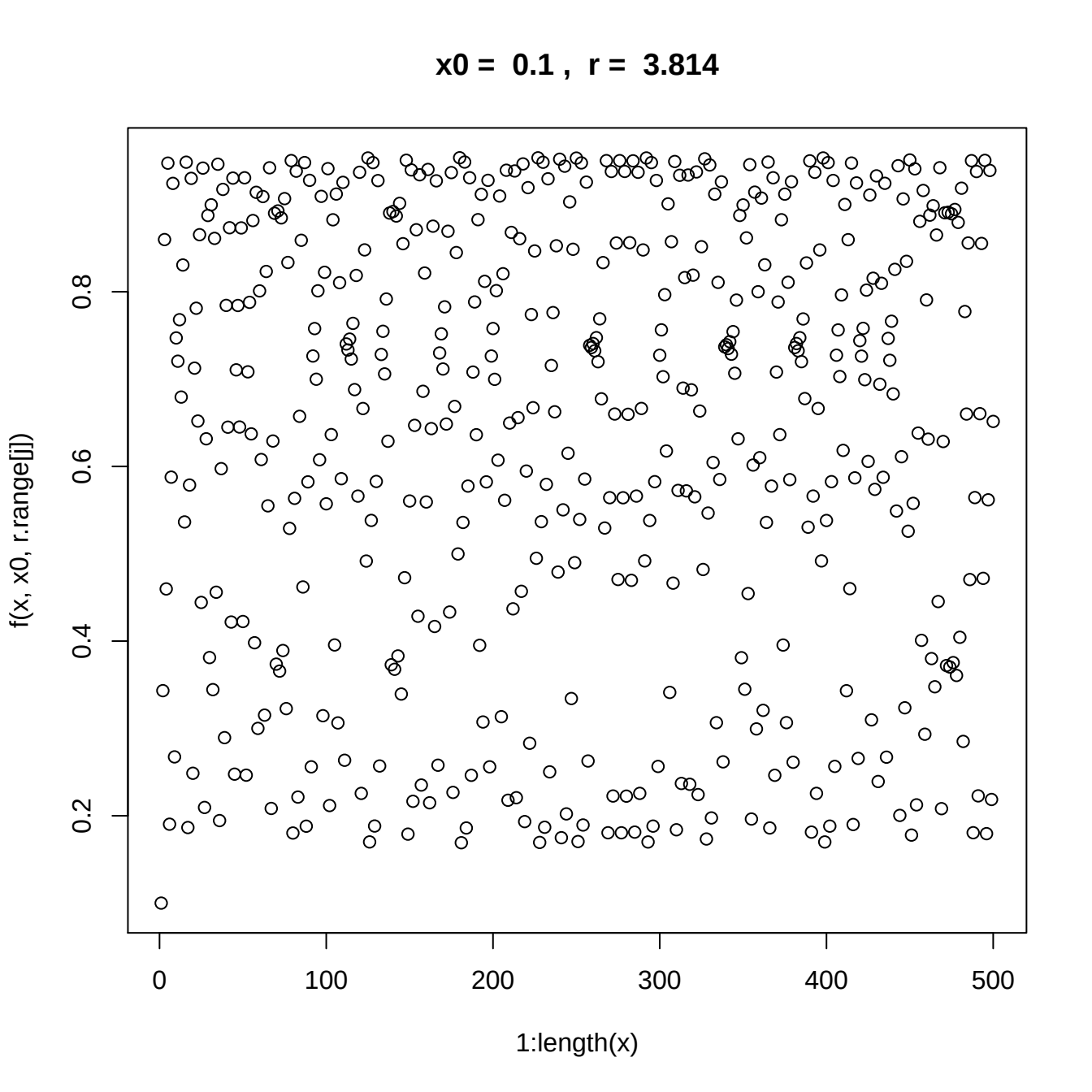

x0 = 0.1 , r = 3.804
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

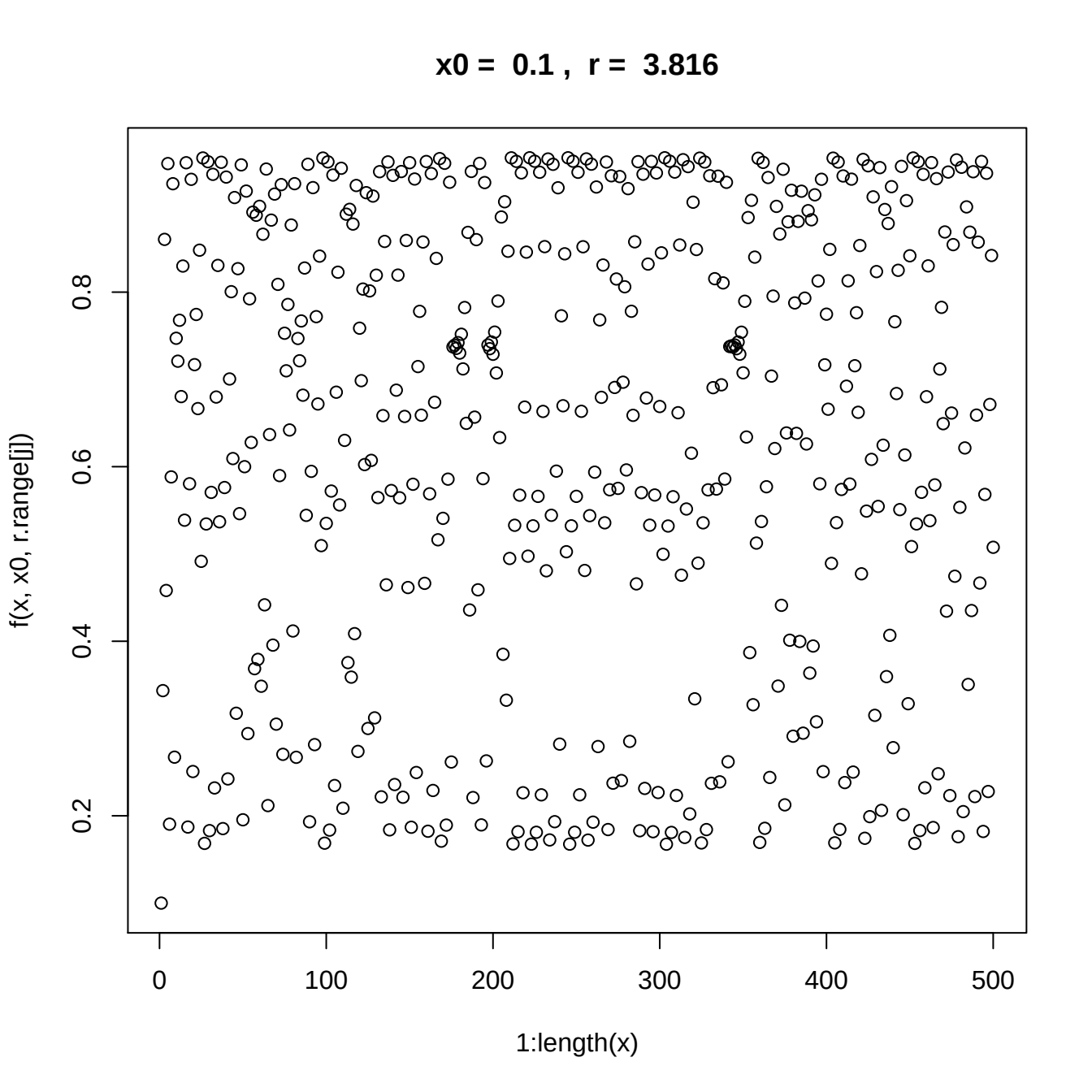

x0 = 0.1 , r = 3.806
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

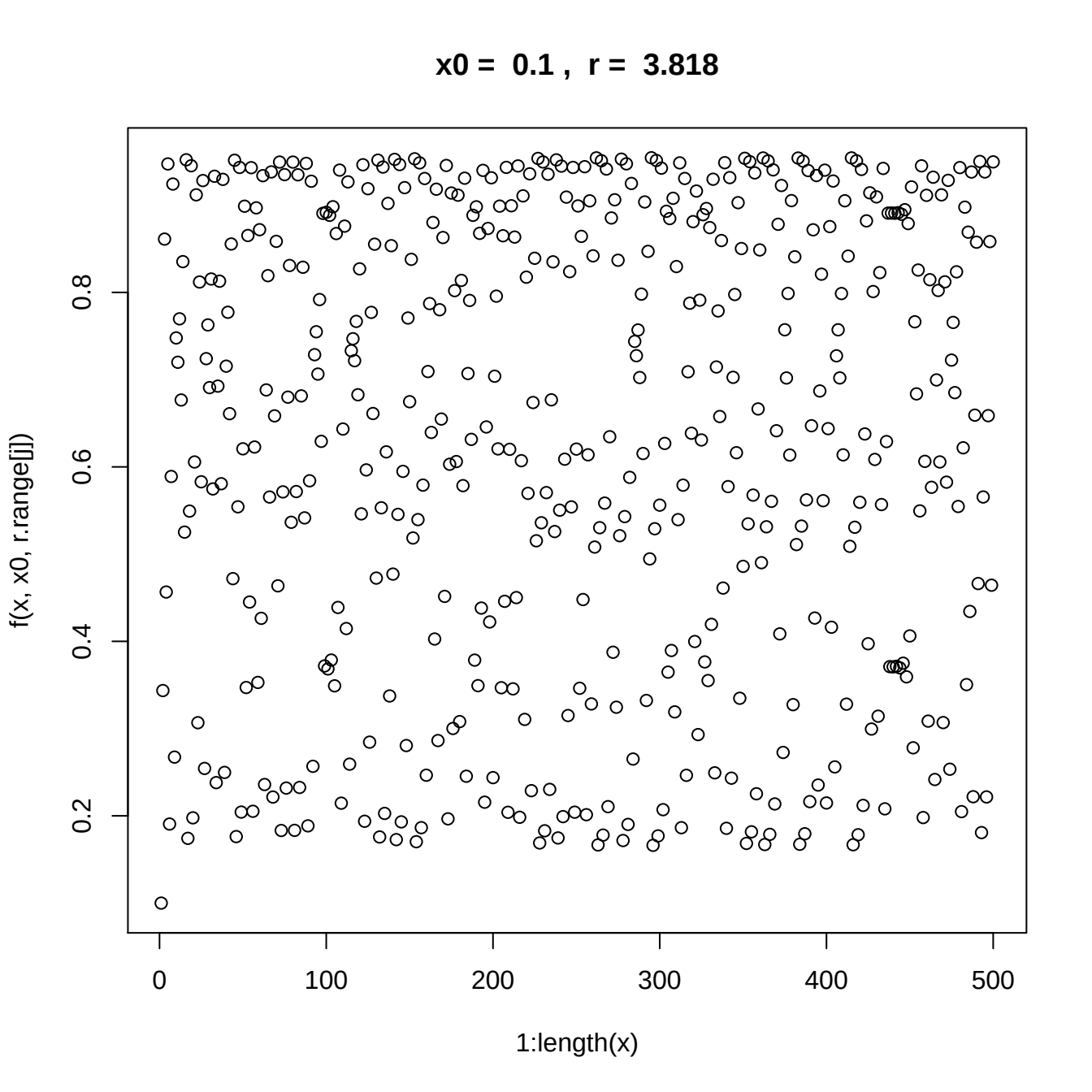

x0 = 0.1 , r = 3.808
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

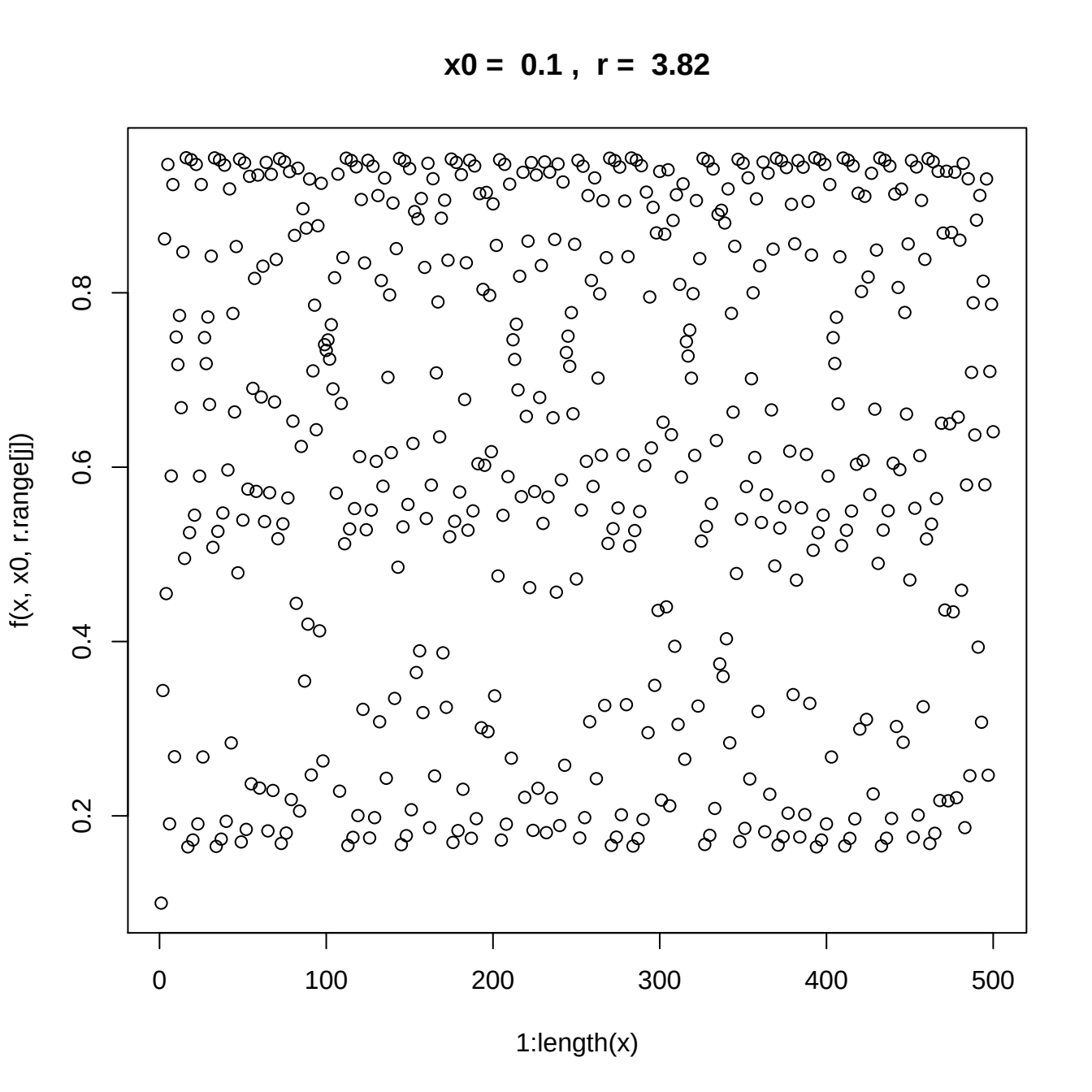

x0 = 0.1 , r = 3.81
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

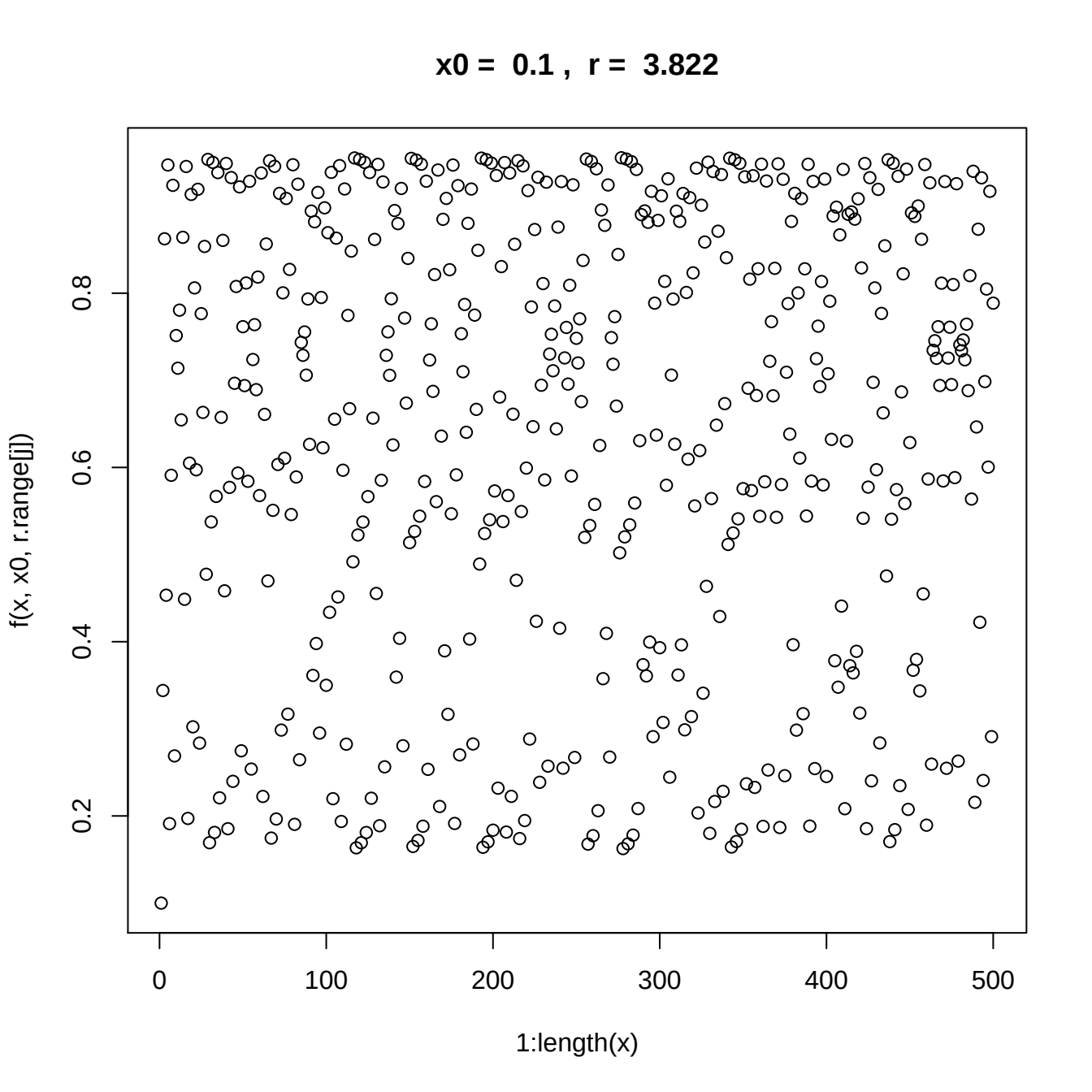

x0 = 0.1 , r = 3.812
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

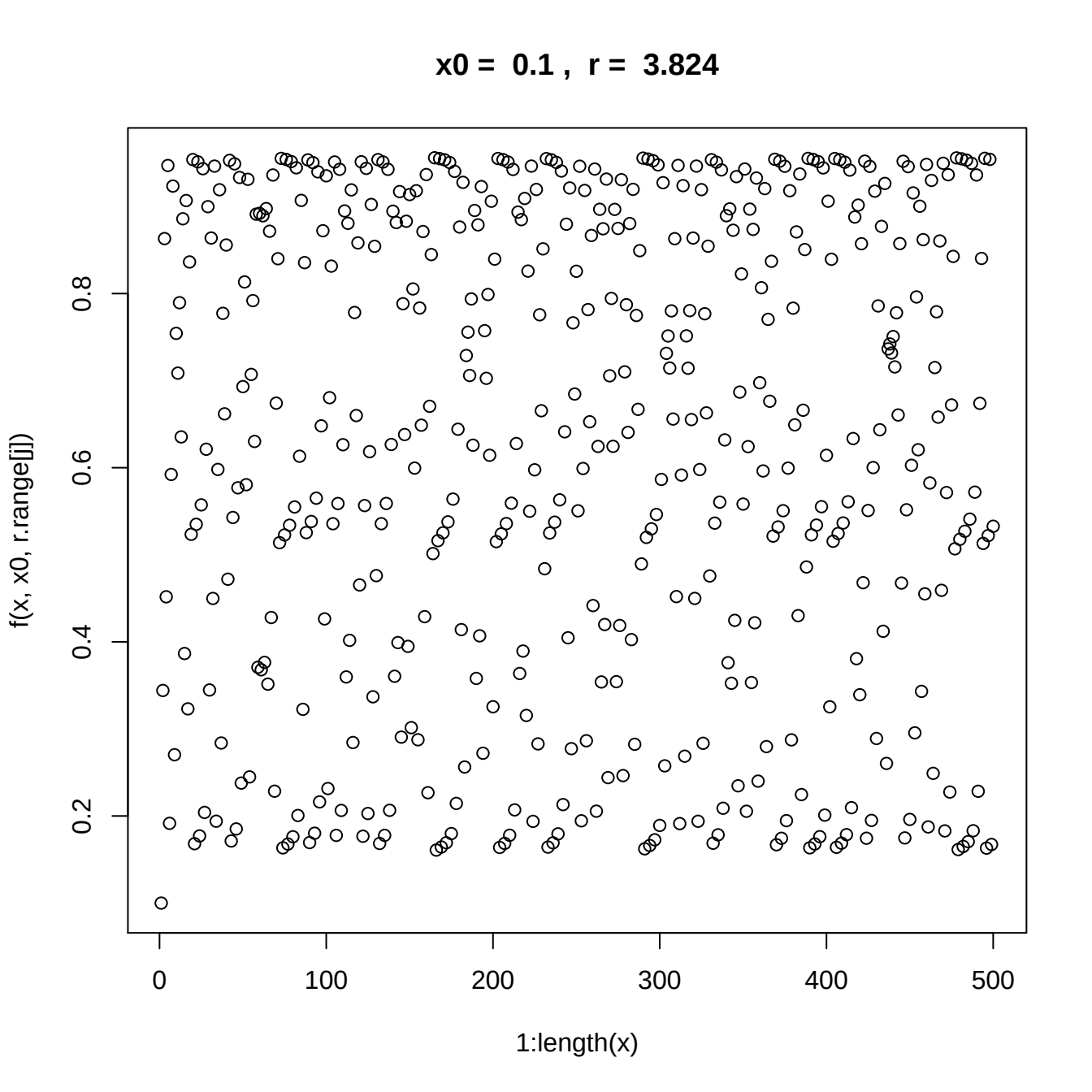

x0 = 0.1 , r = 3.814
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

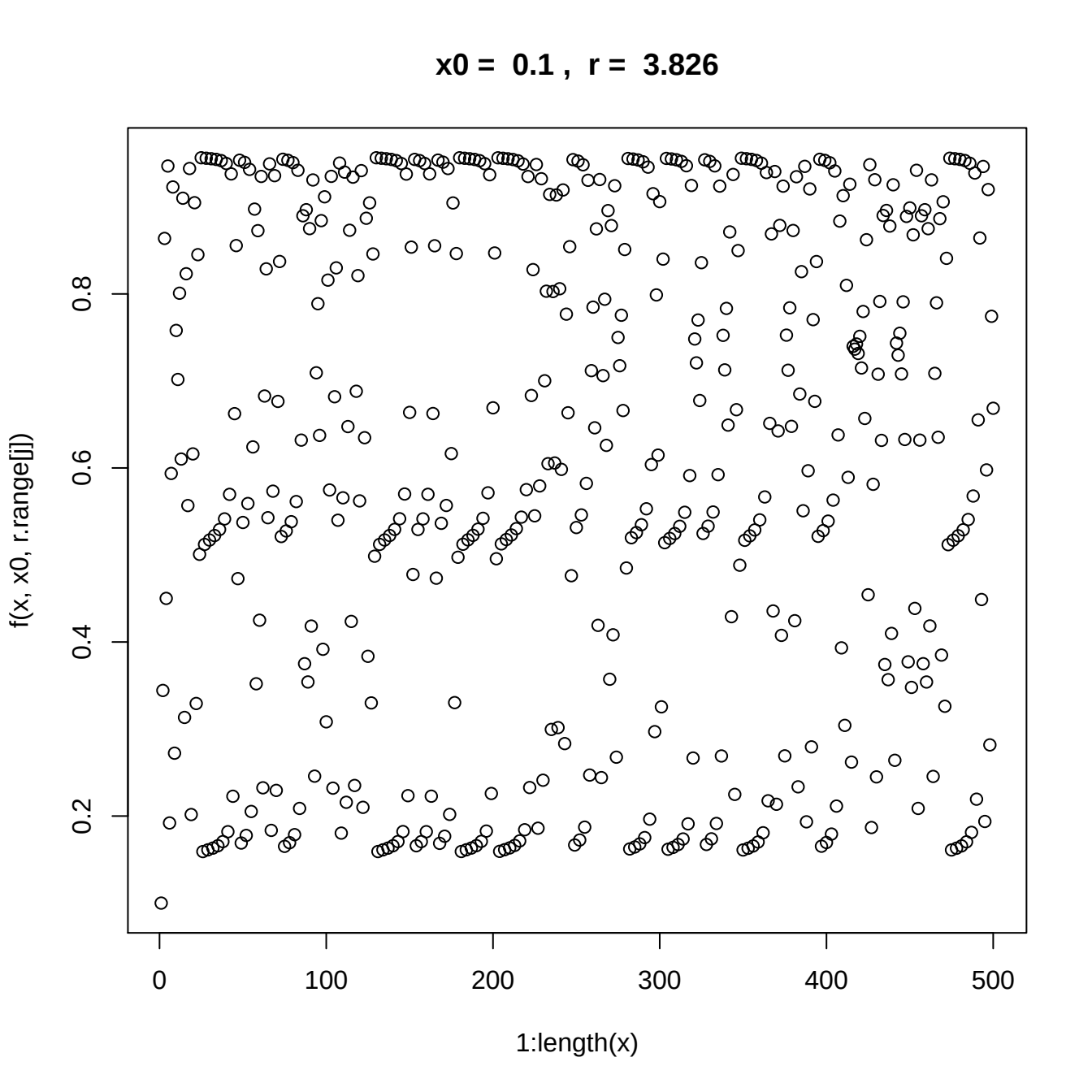

x0 = 0.1 , r = 3.816
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

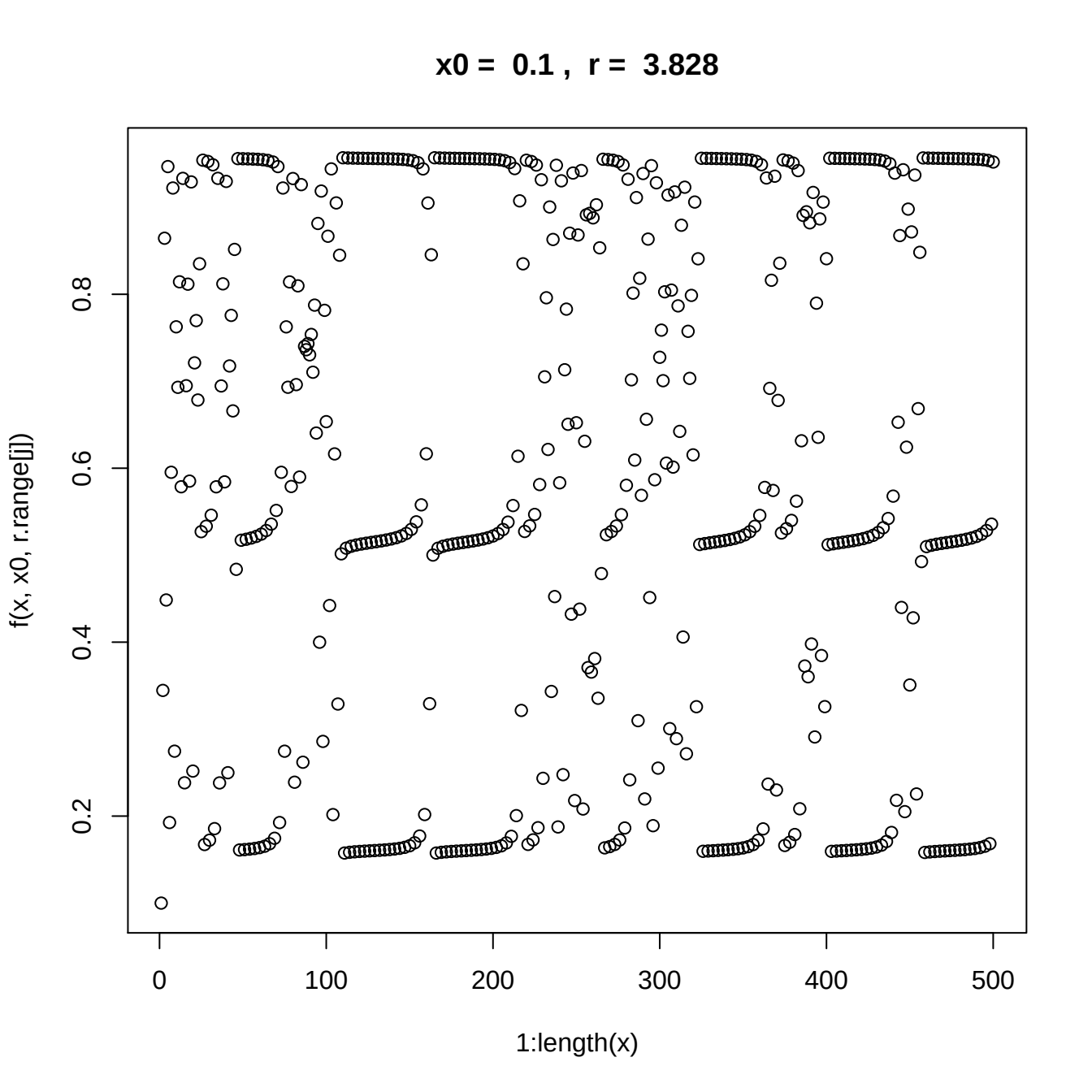

x0 = 0.1 , r = 3.818
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

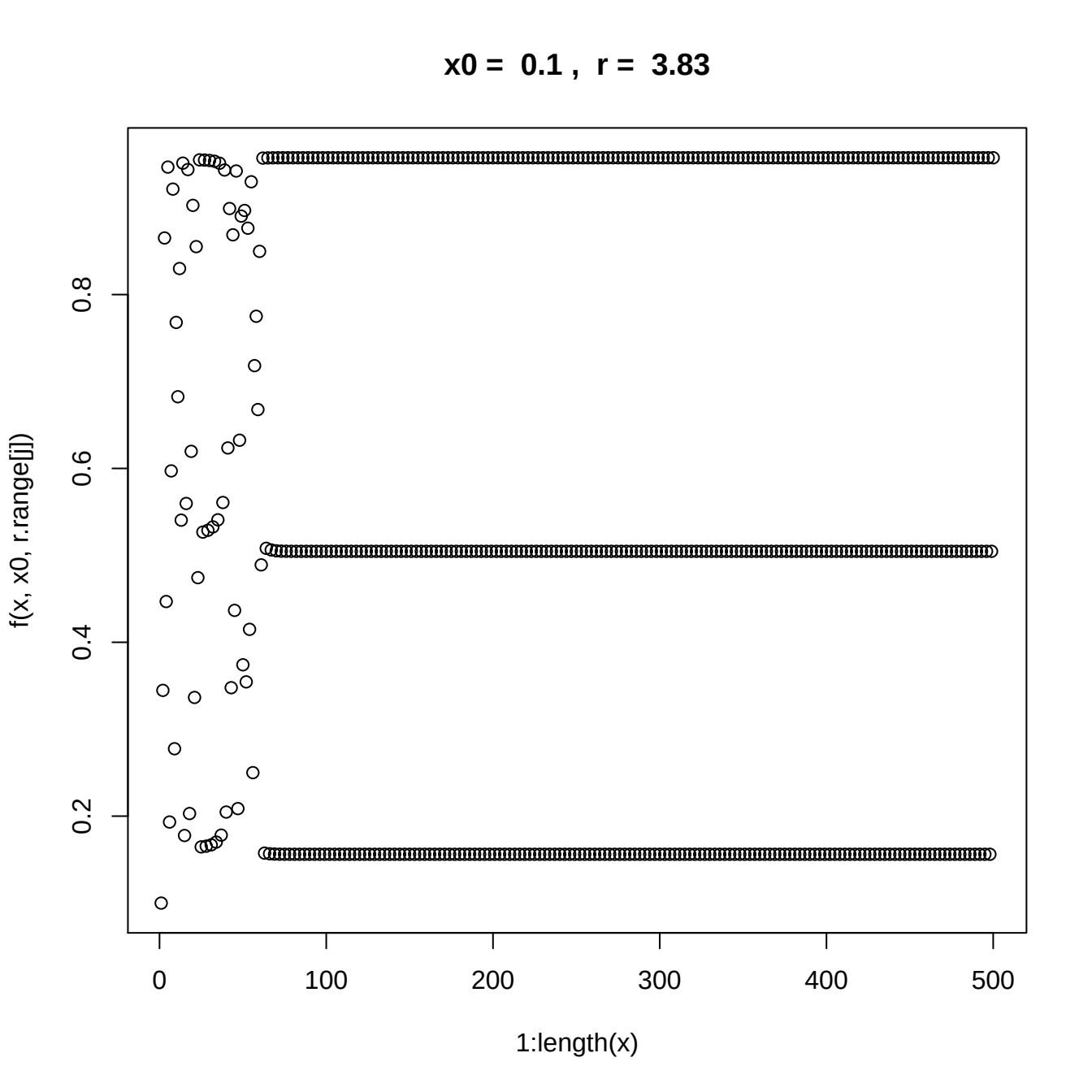

x0 = 0.1 , r = 3.82
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

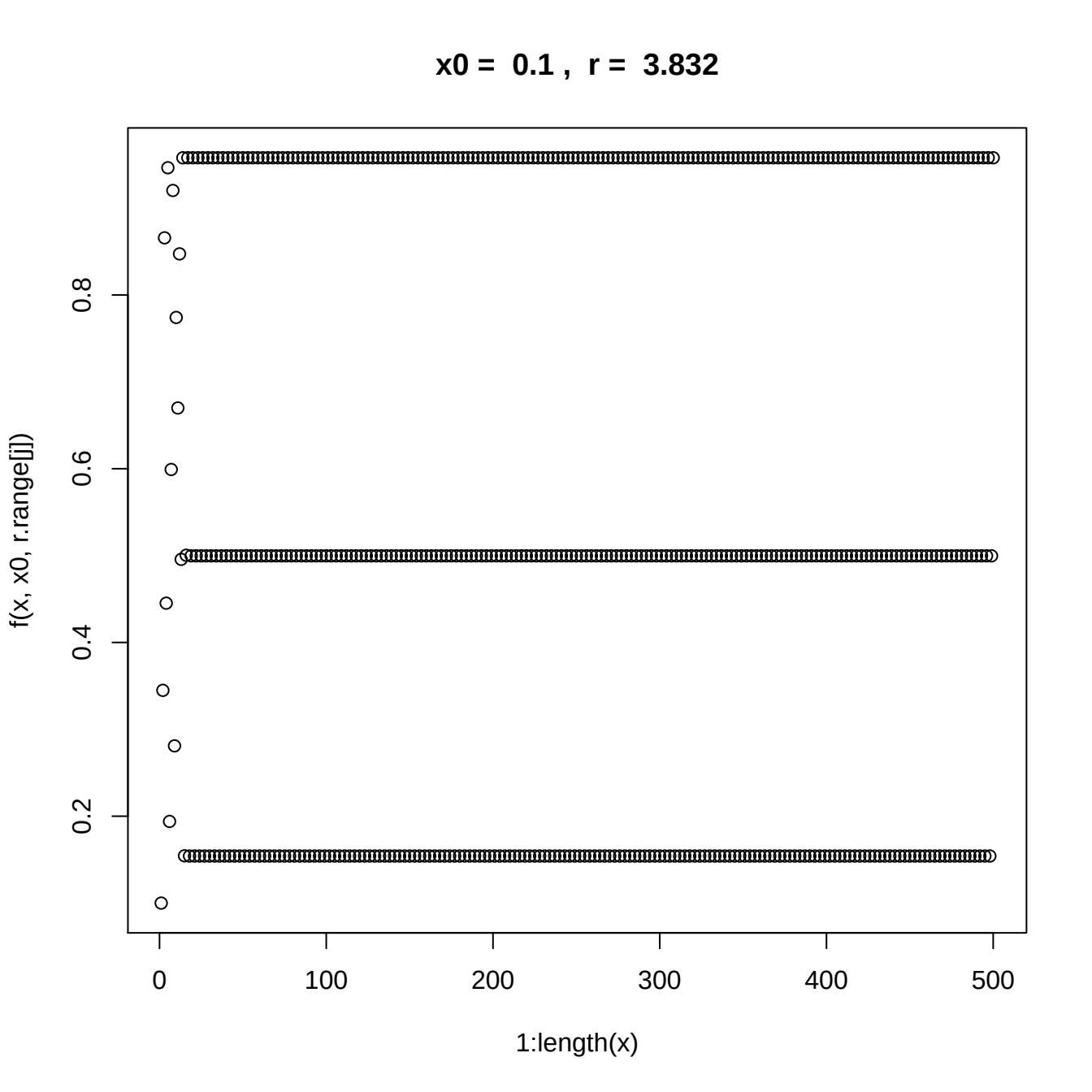

x0 = 0.1 , r = 3.822
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

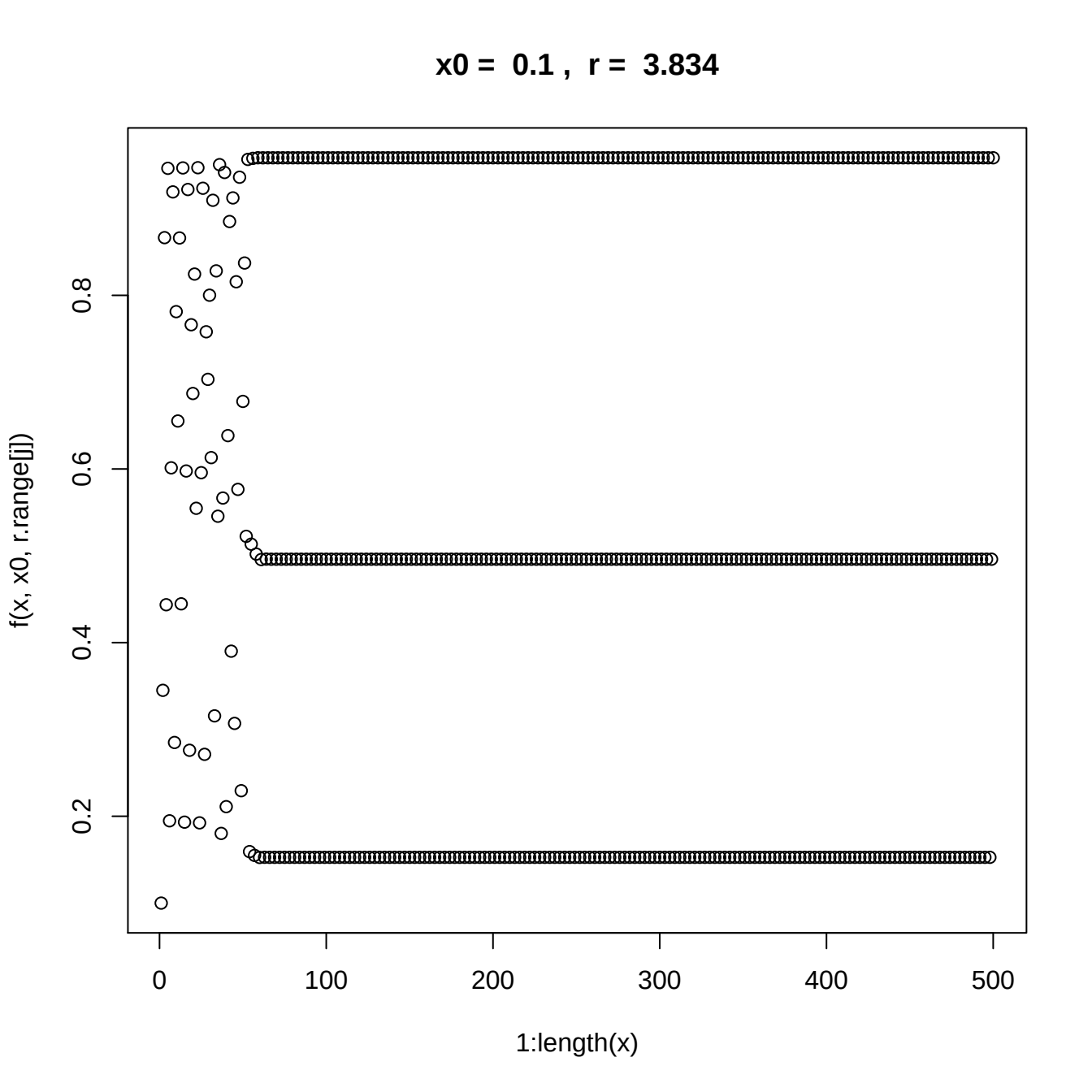

x0 = 0.1 , r = 3.824
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

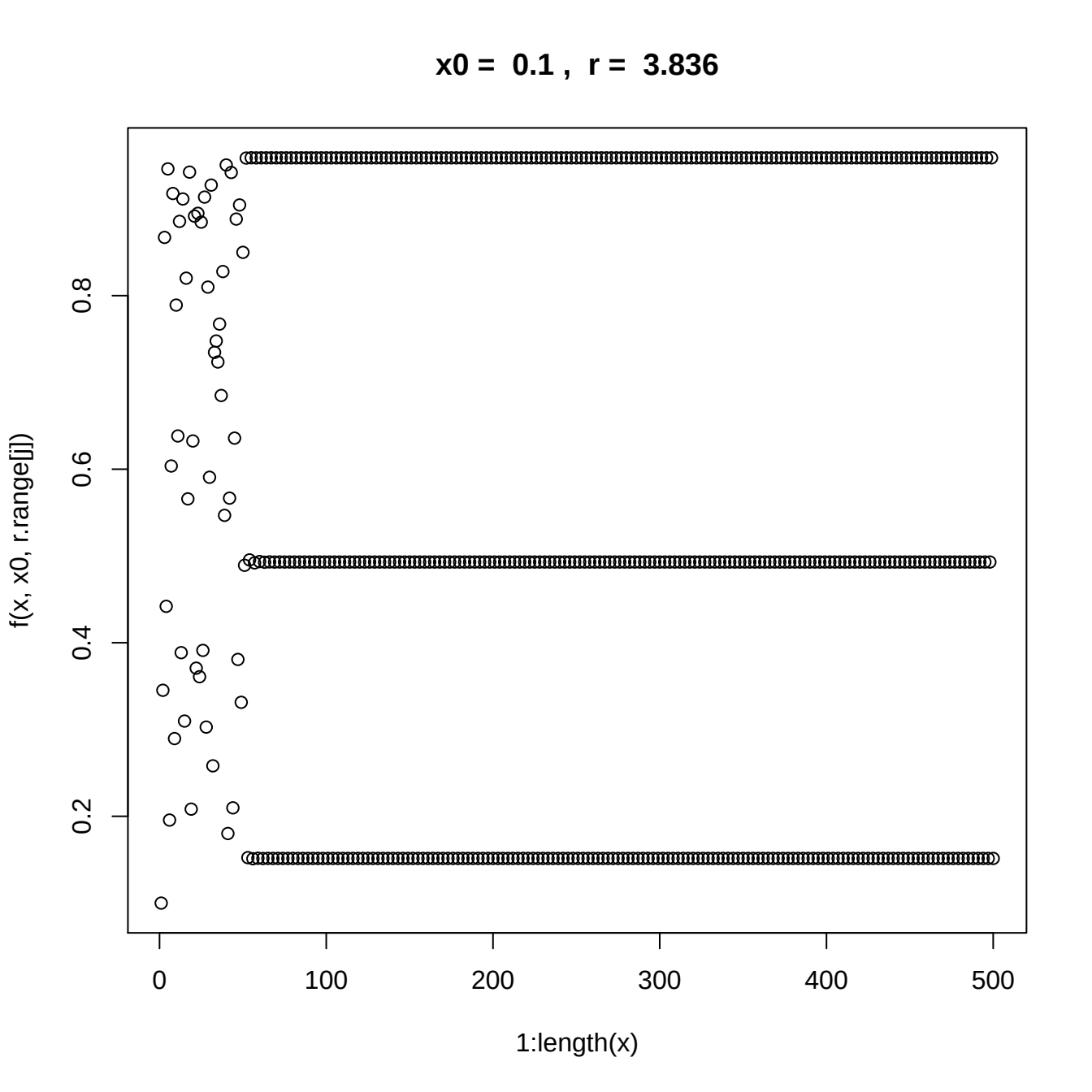

x0 = 0.1 , r = 3.826
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

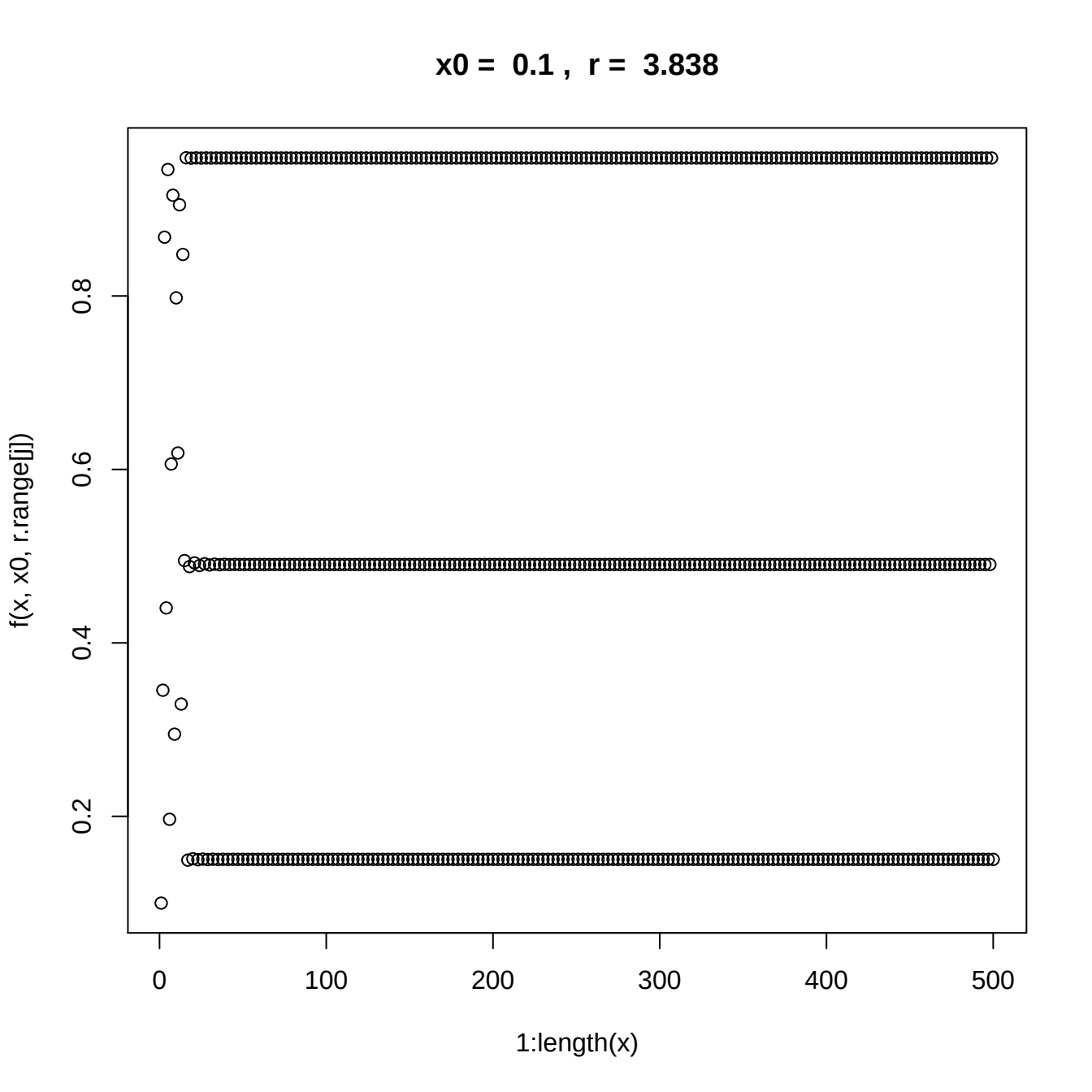

x0 = 0.1 , r = 3.828
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

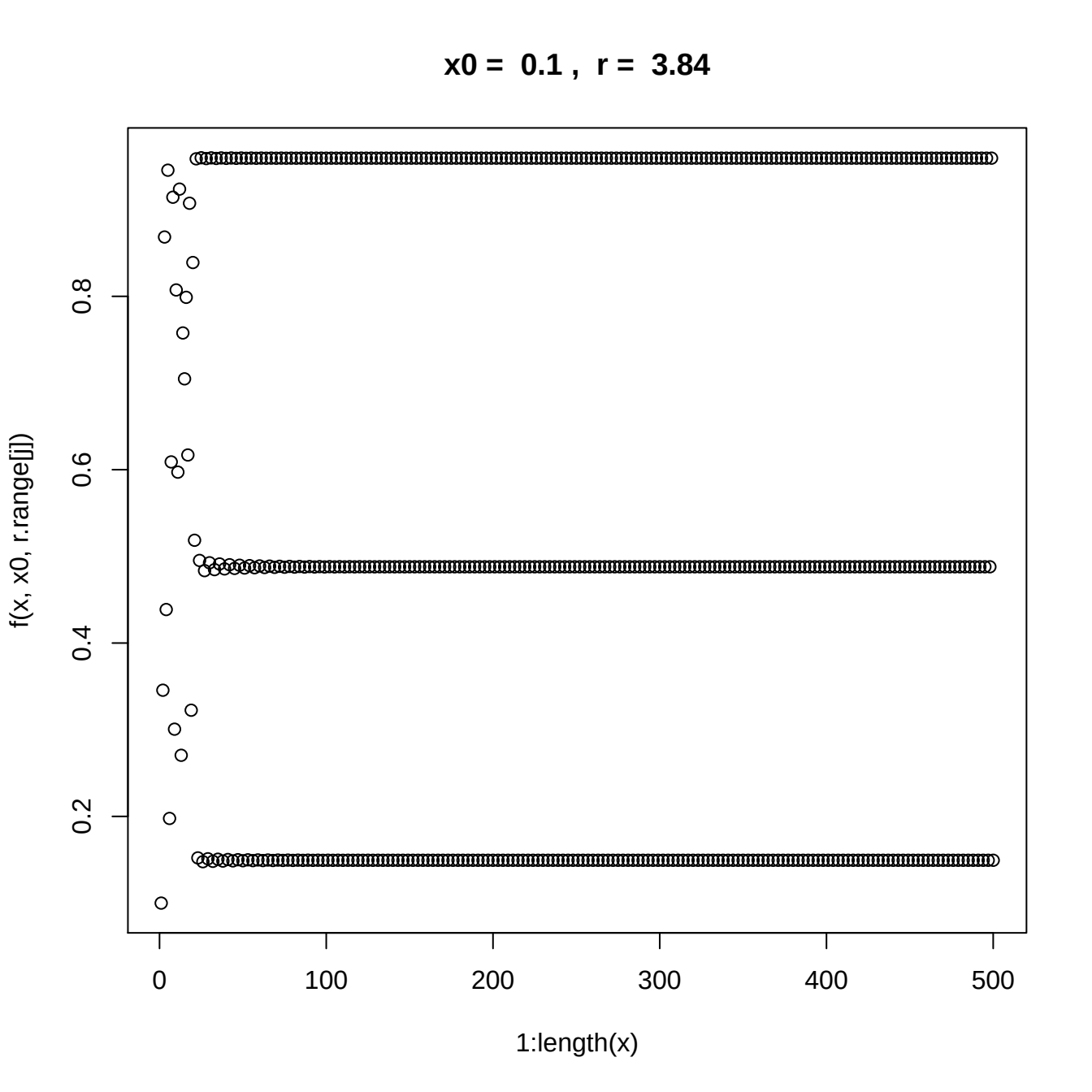

x0 = 0.1 , r = 3.83
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

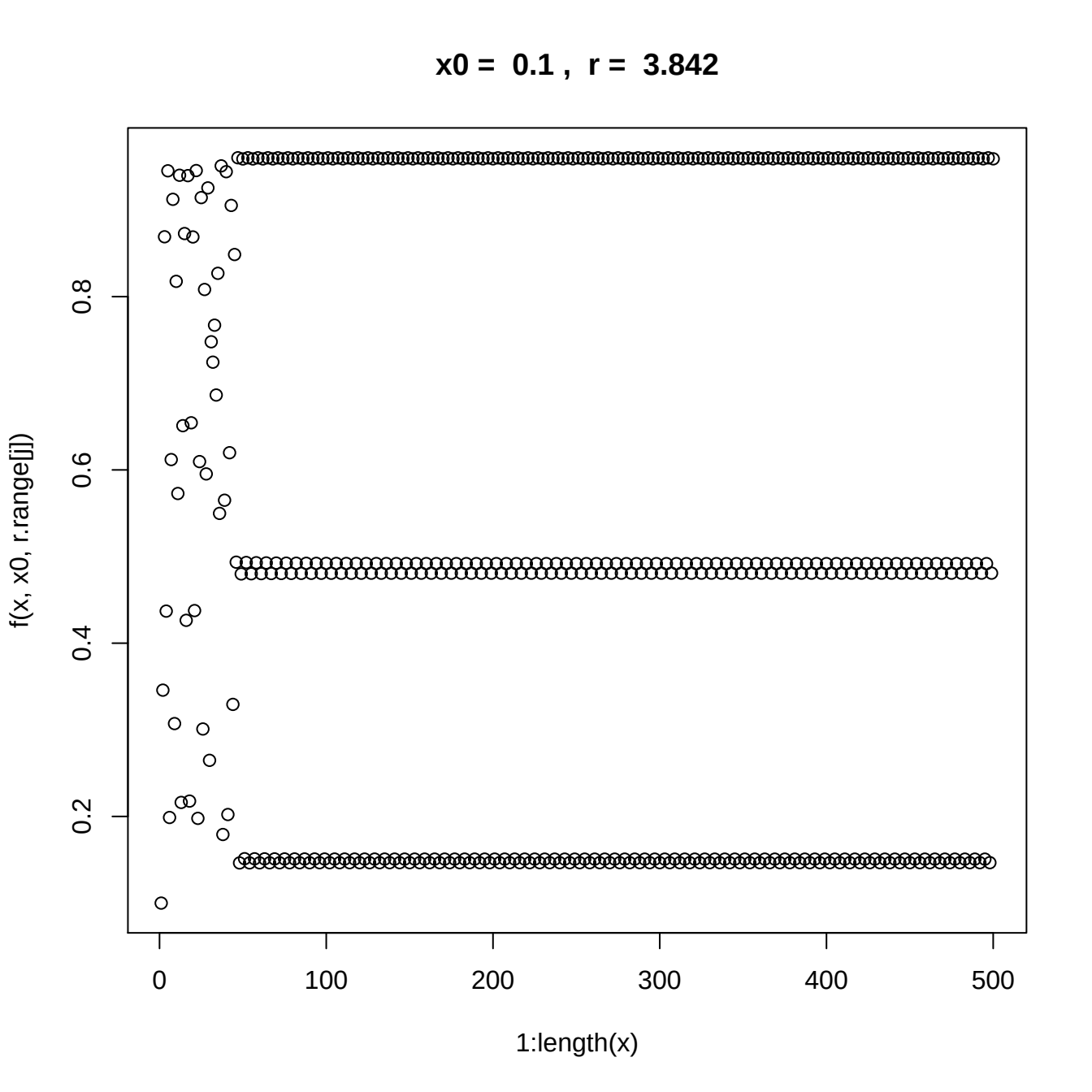

x0 = 0.1 , r = 3.832
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

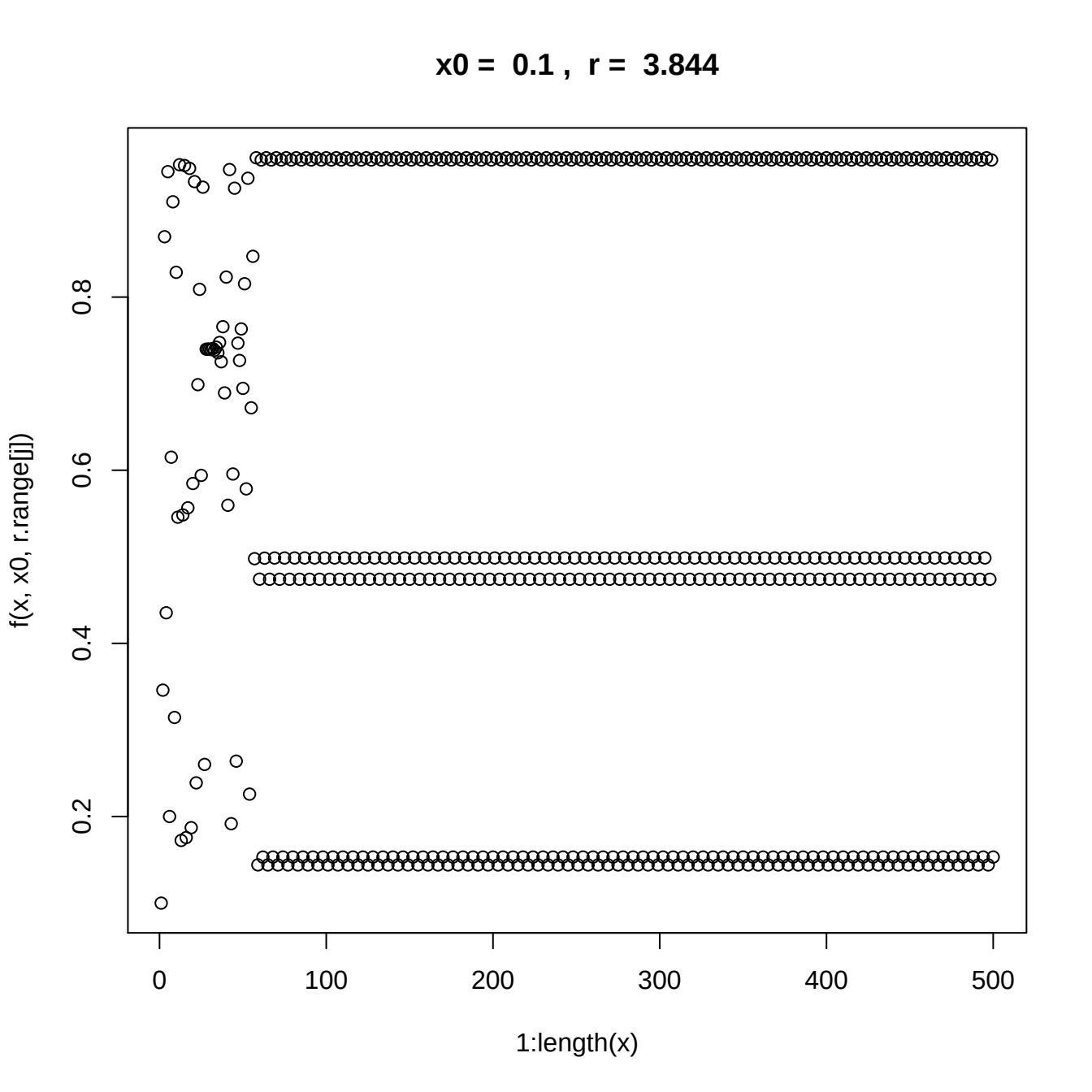

x0 = 0.1 , r = 3.834
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

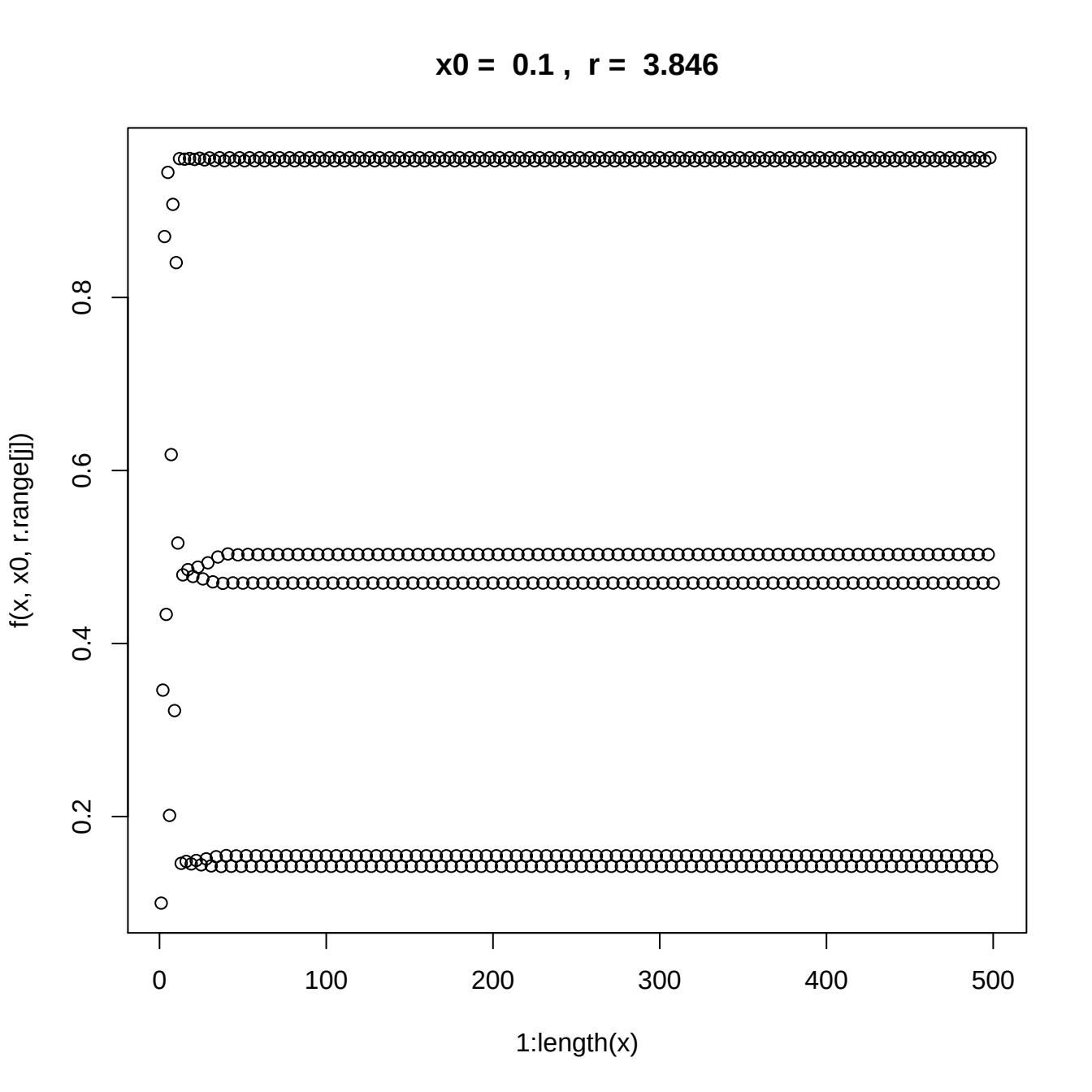

x0 = 0.1 , r = 3.836
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

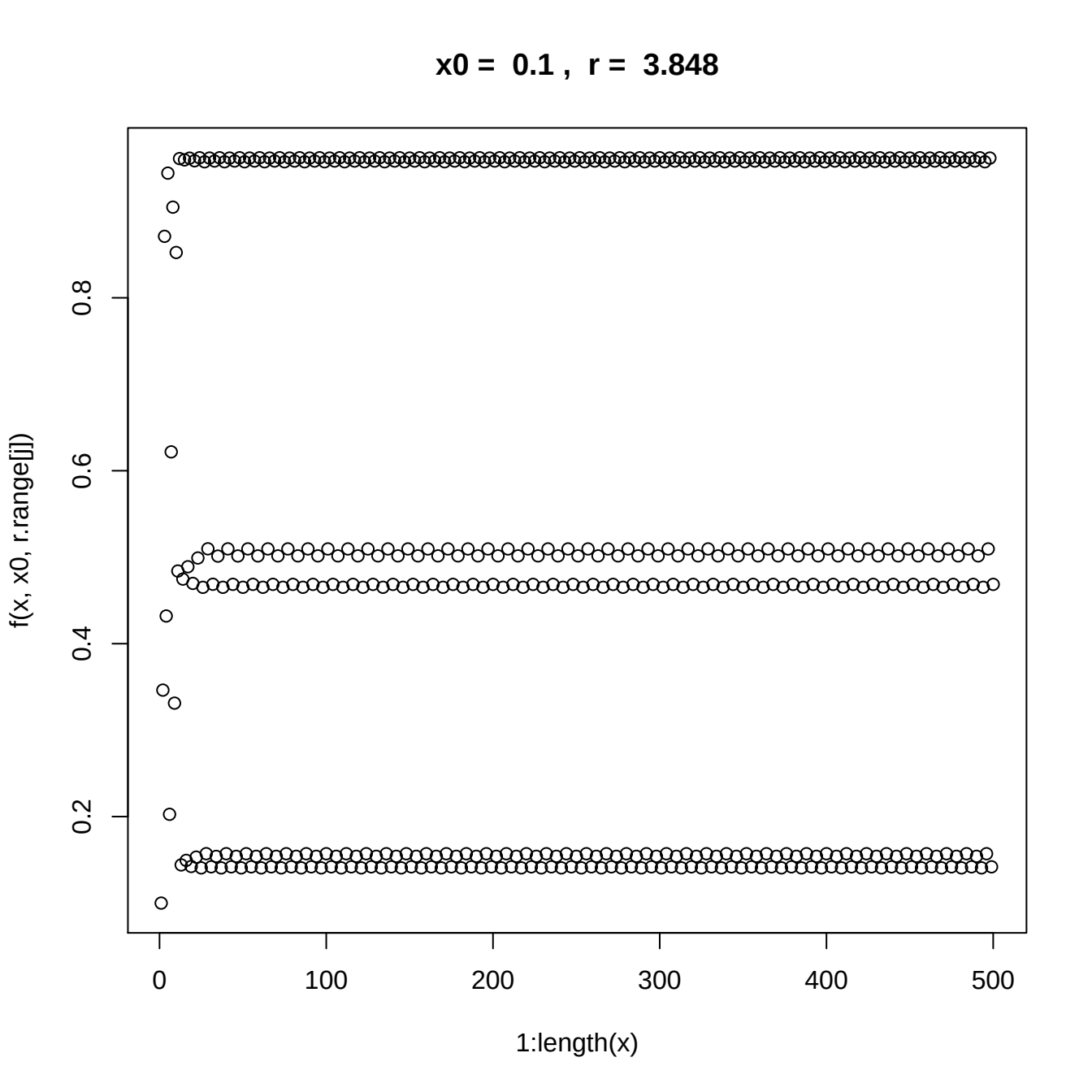

x0 = 0.1 , r = 3.838
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

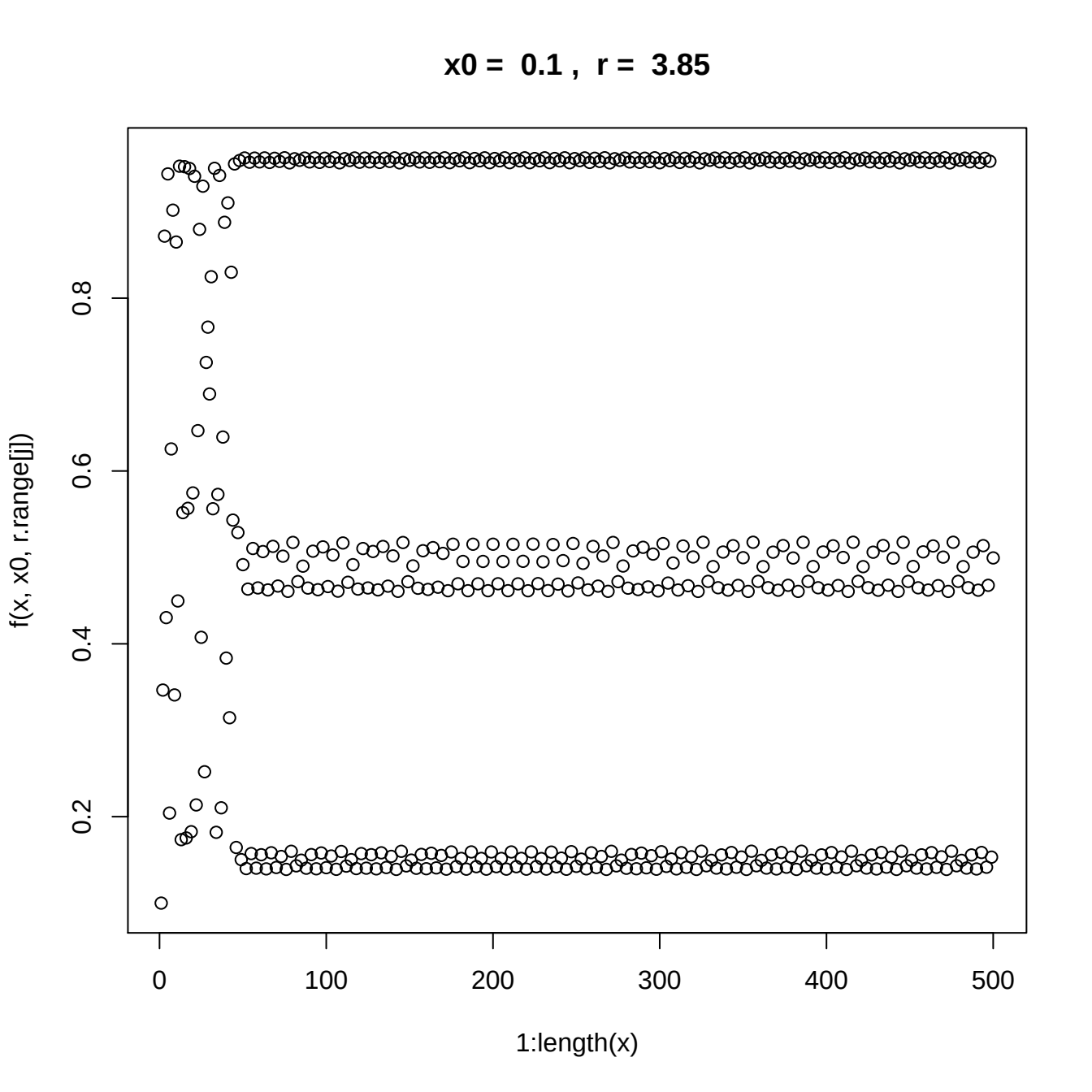

x0 = 0.1 , r = 3.84
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

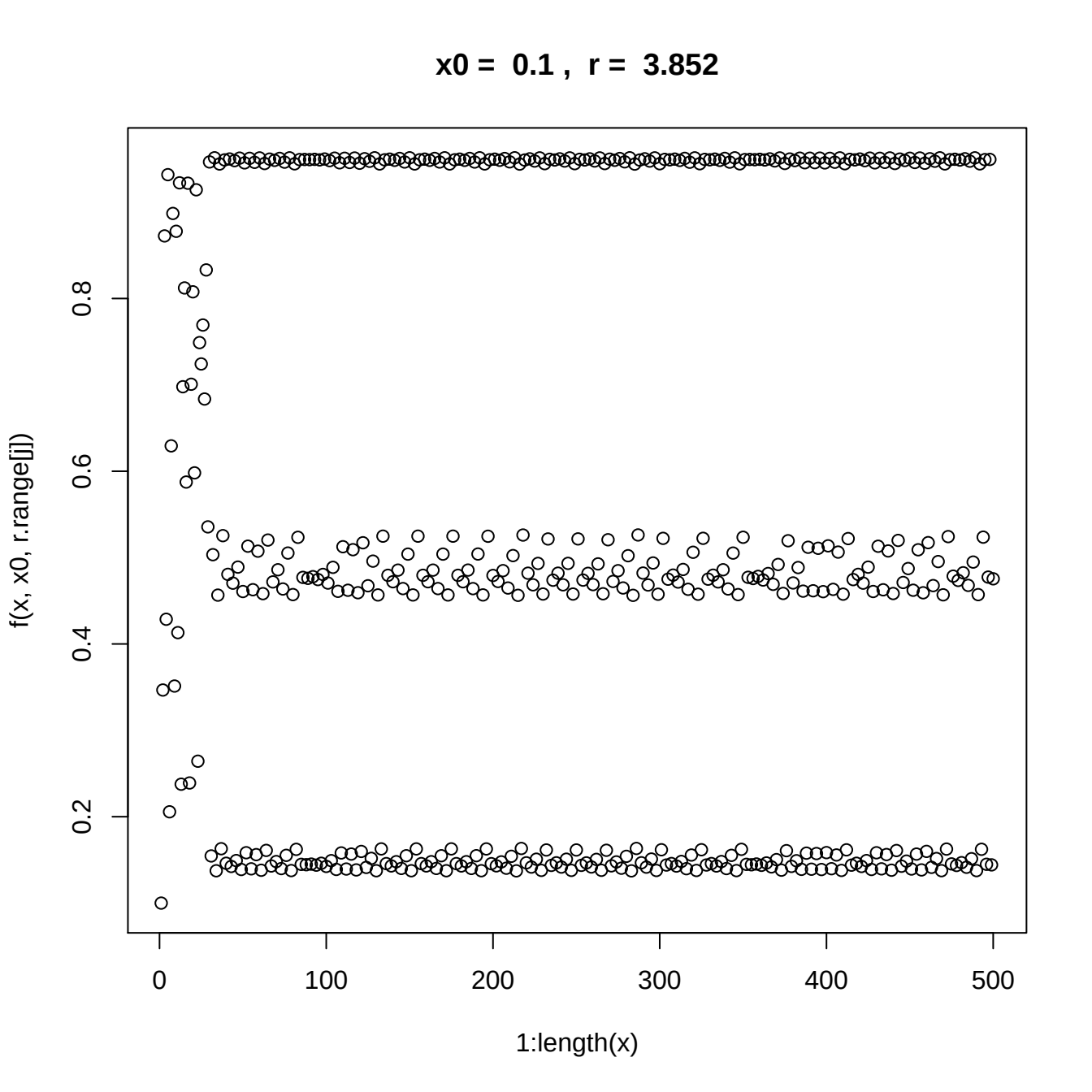

x0 = 0.1 , r = 3.842
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

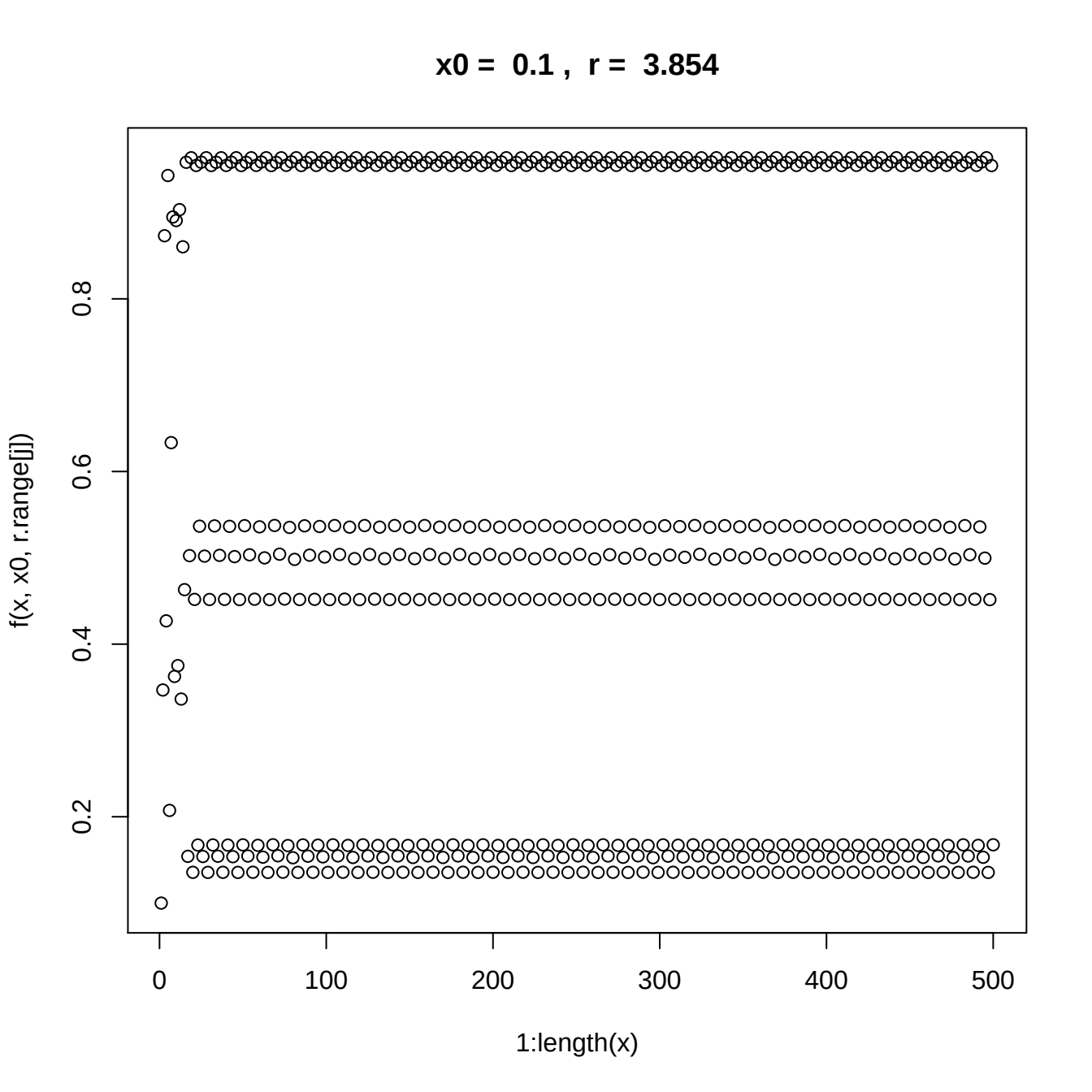

x0 = 0.1 , r = 3.844
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

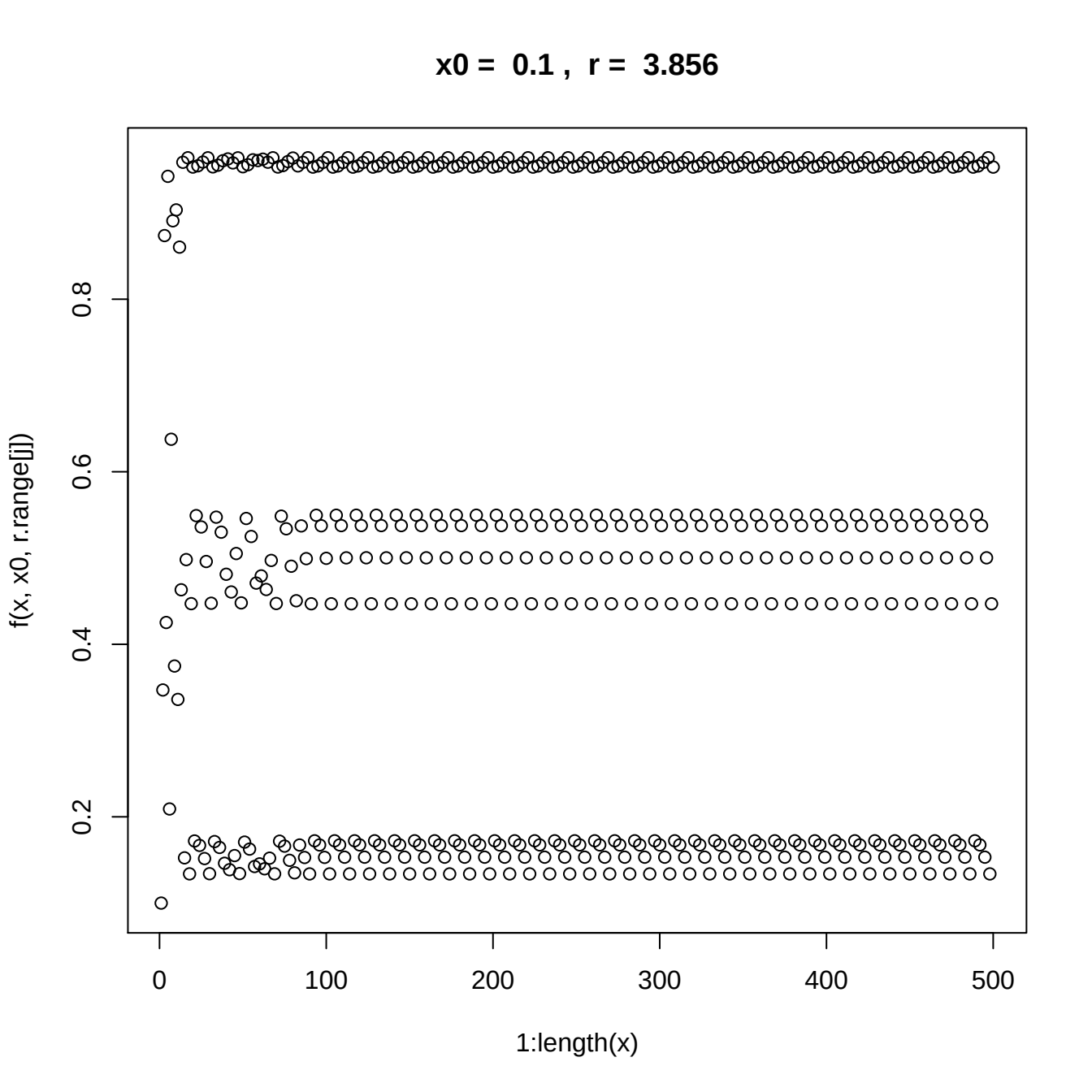

x0 = 0.1 , r = 3.846
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

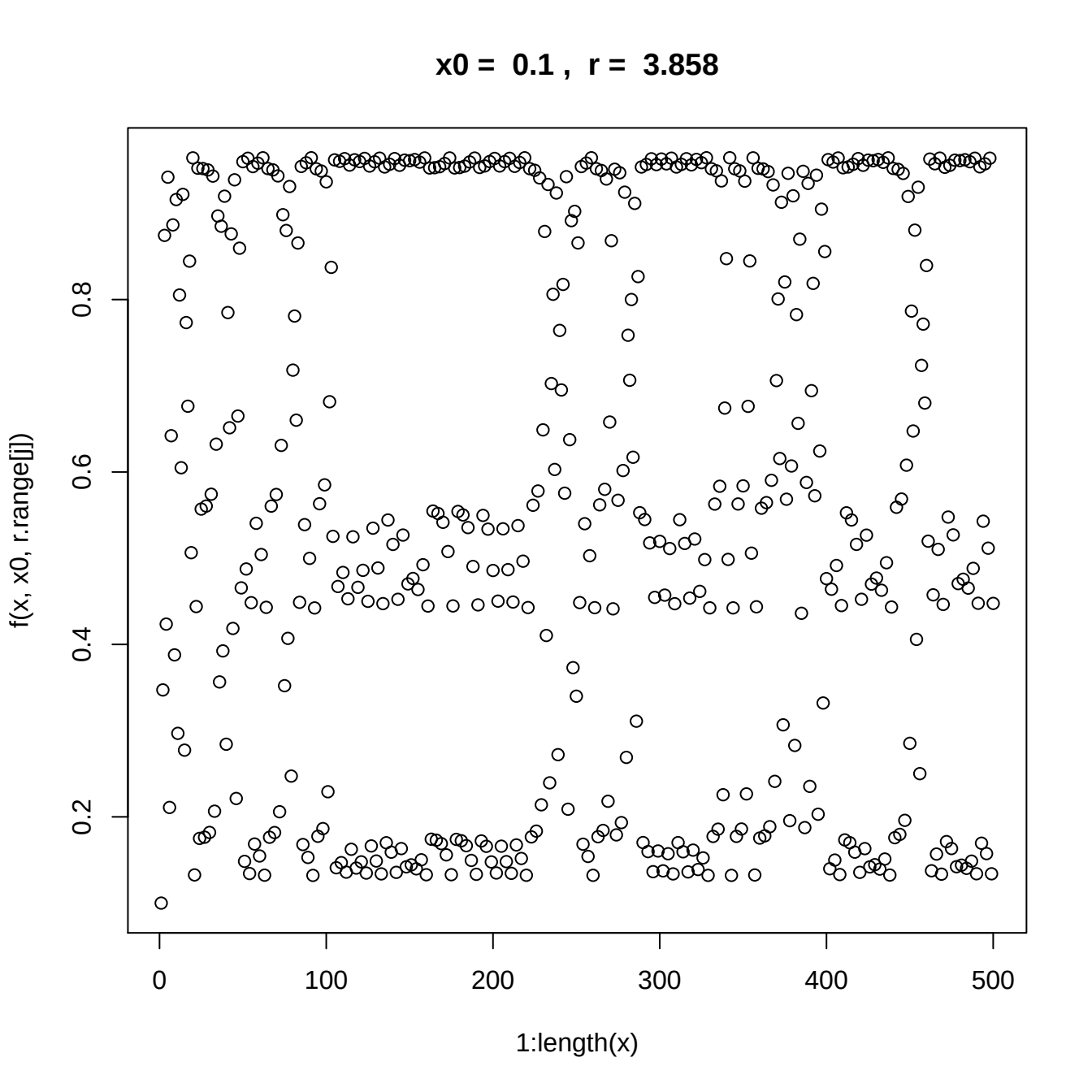

x0 = 0.1 , r = 3.848
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

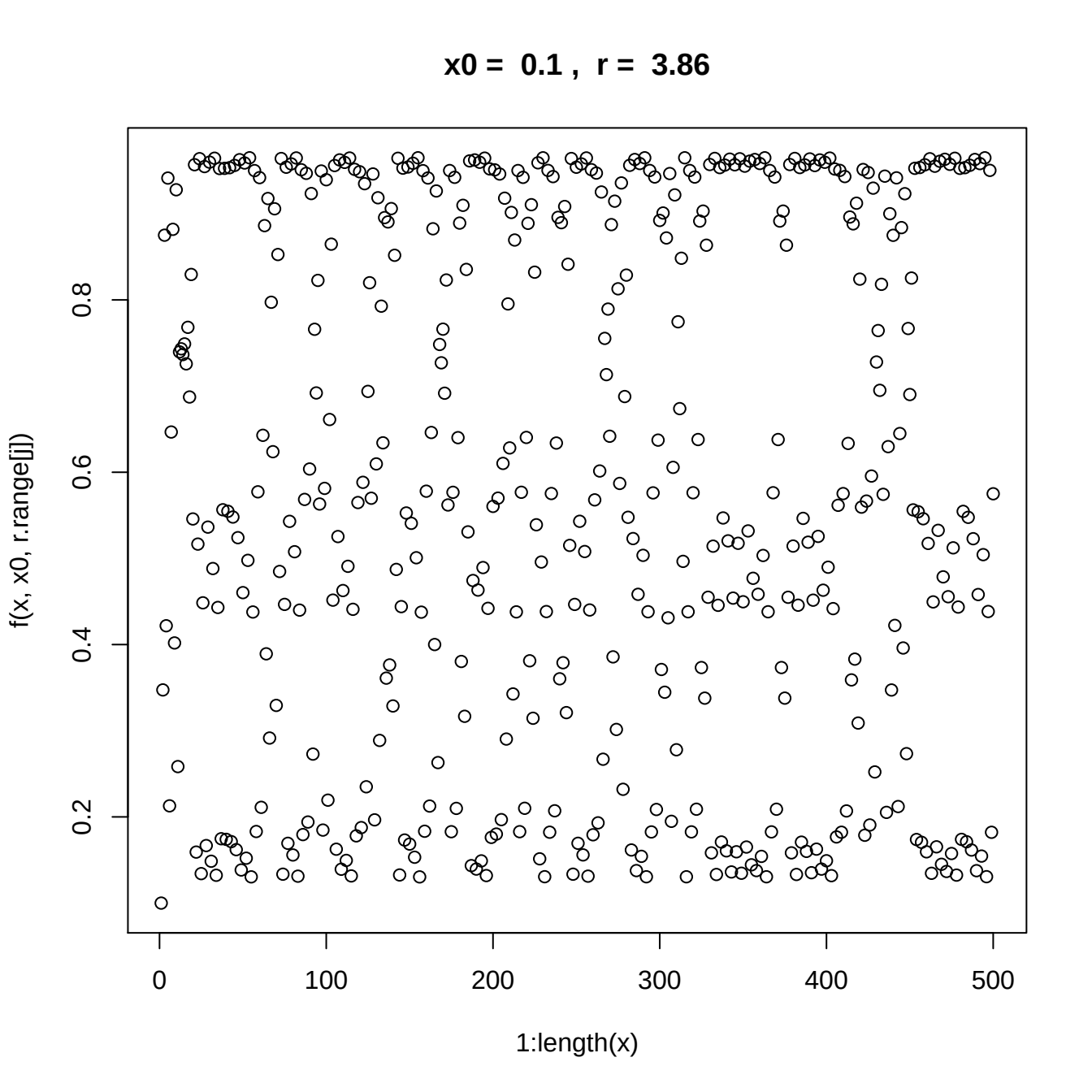

x0 = 0.1 , r = 3.85
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

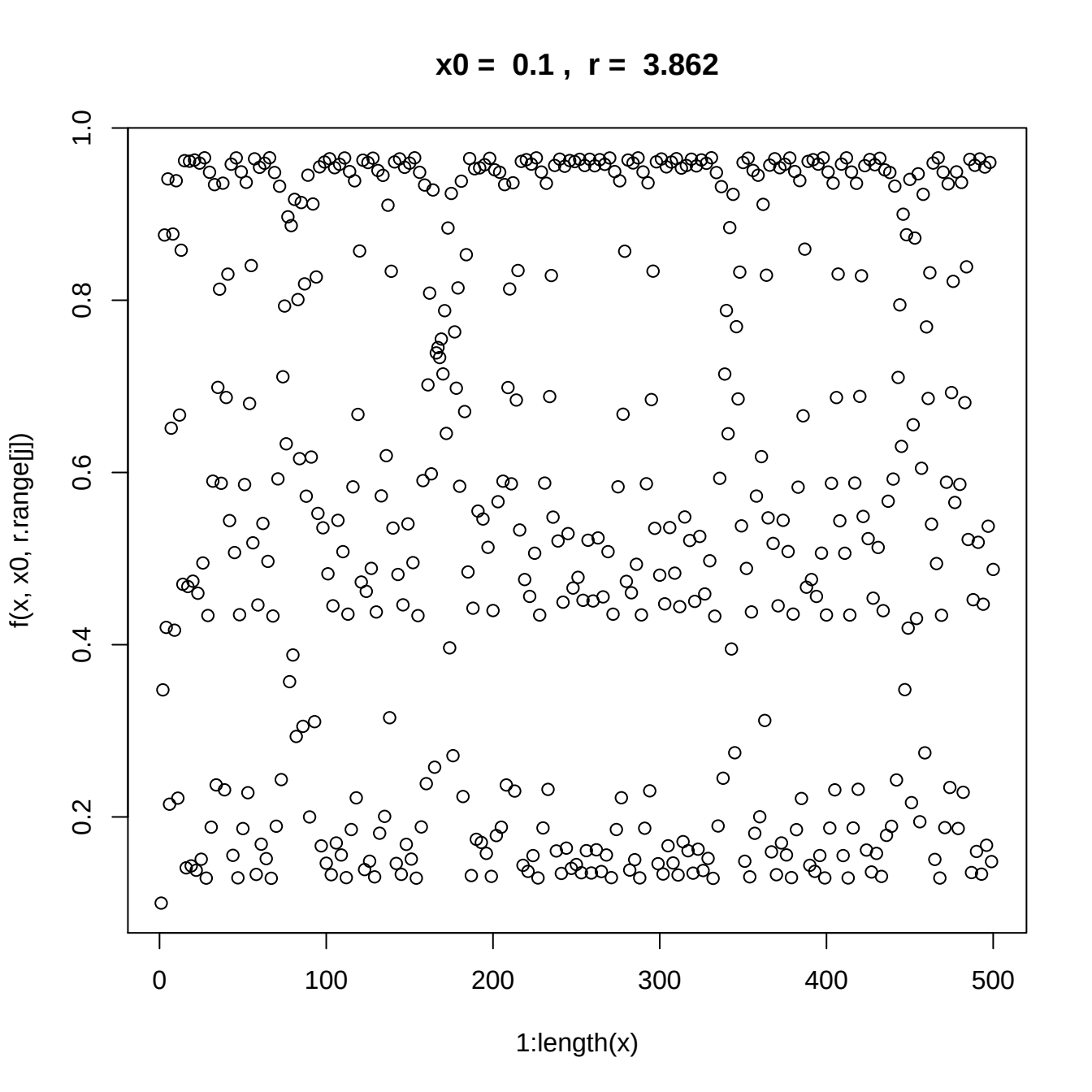

x0 = 0.1 , r = 3.852
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

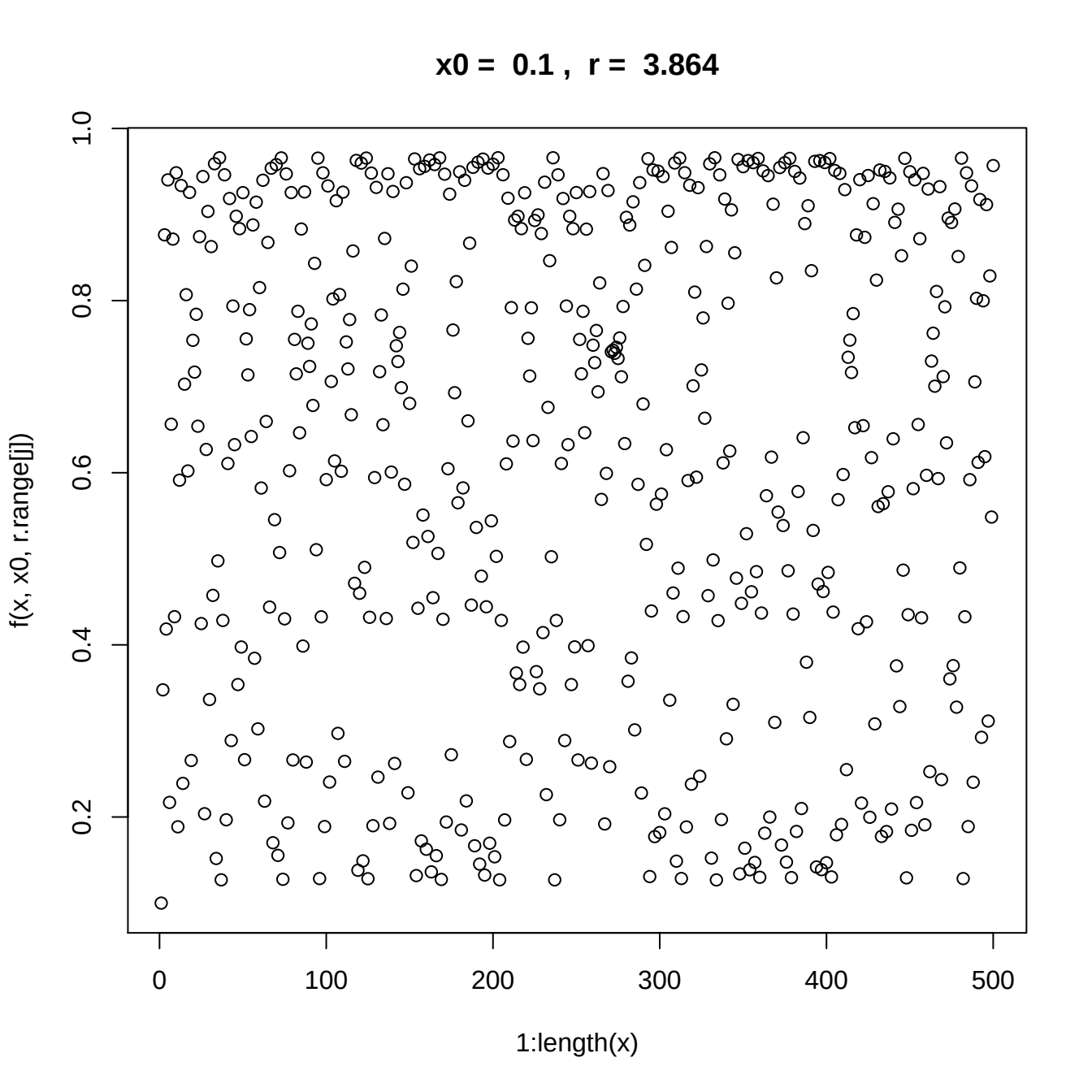

x0 = 0.1 , r = 3.854
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

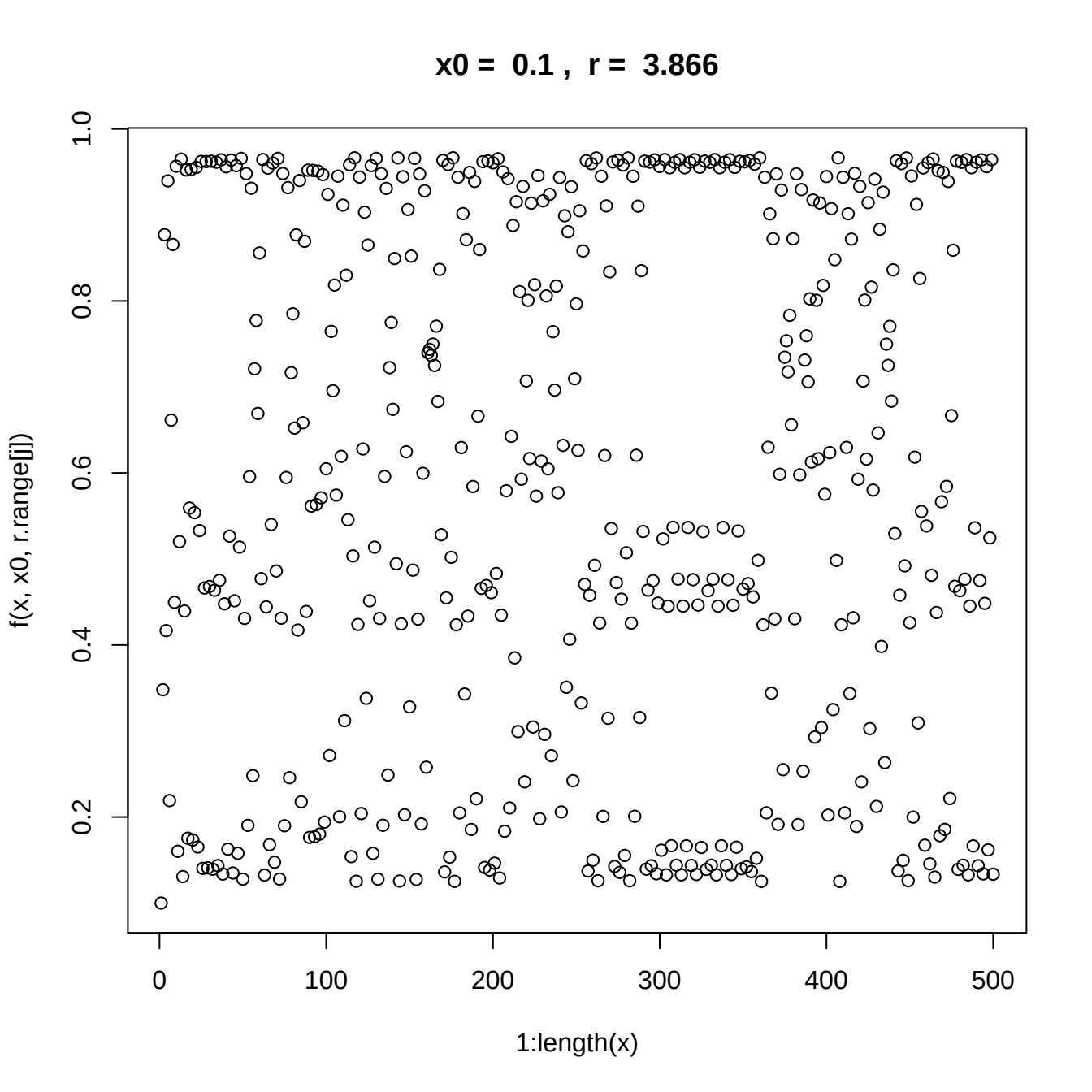

x0 = 0.1 , r = 3.856
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

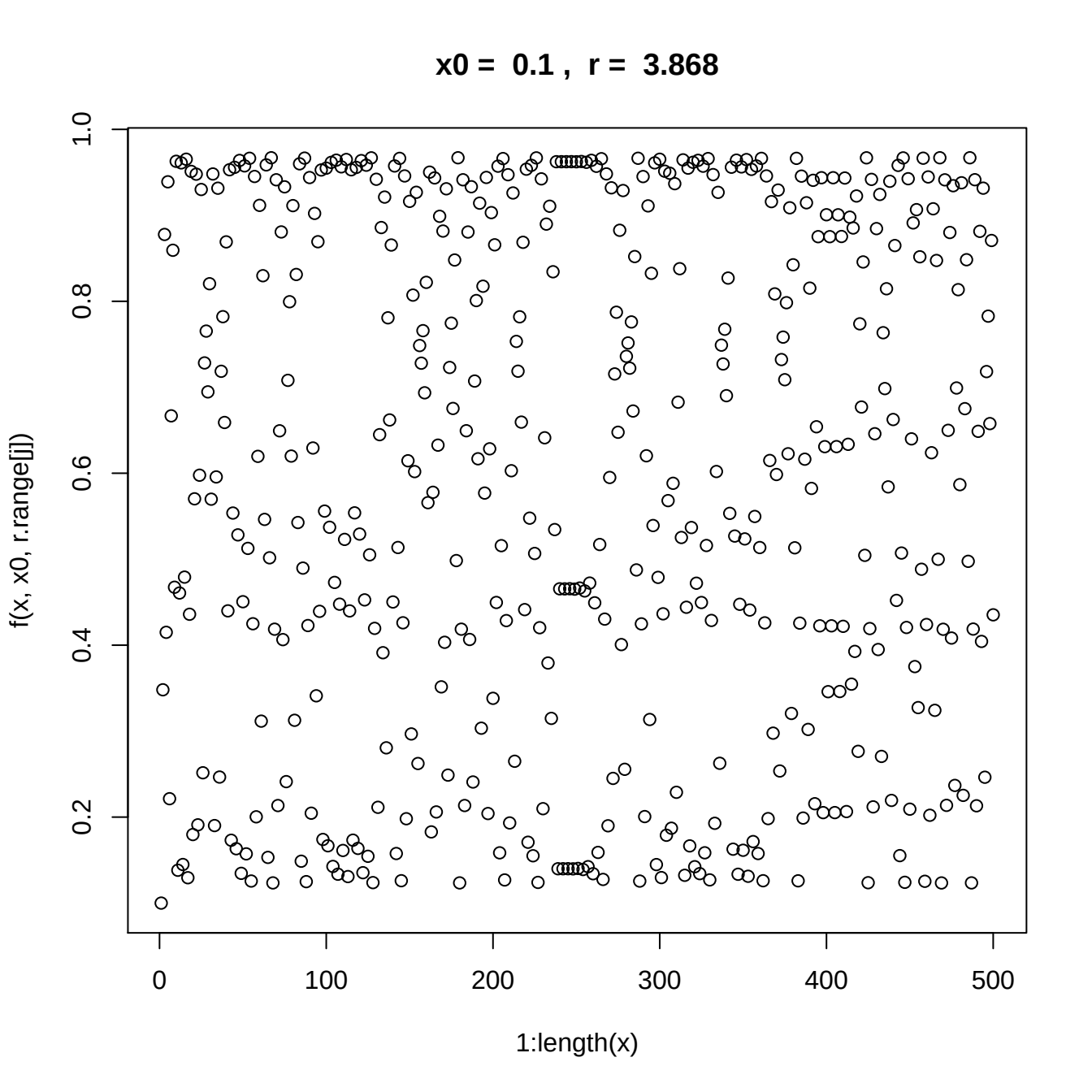

x0 = 0.1 , r = 3.858
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

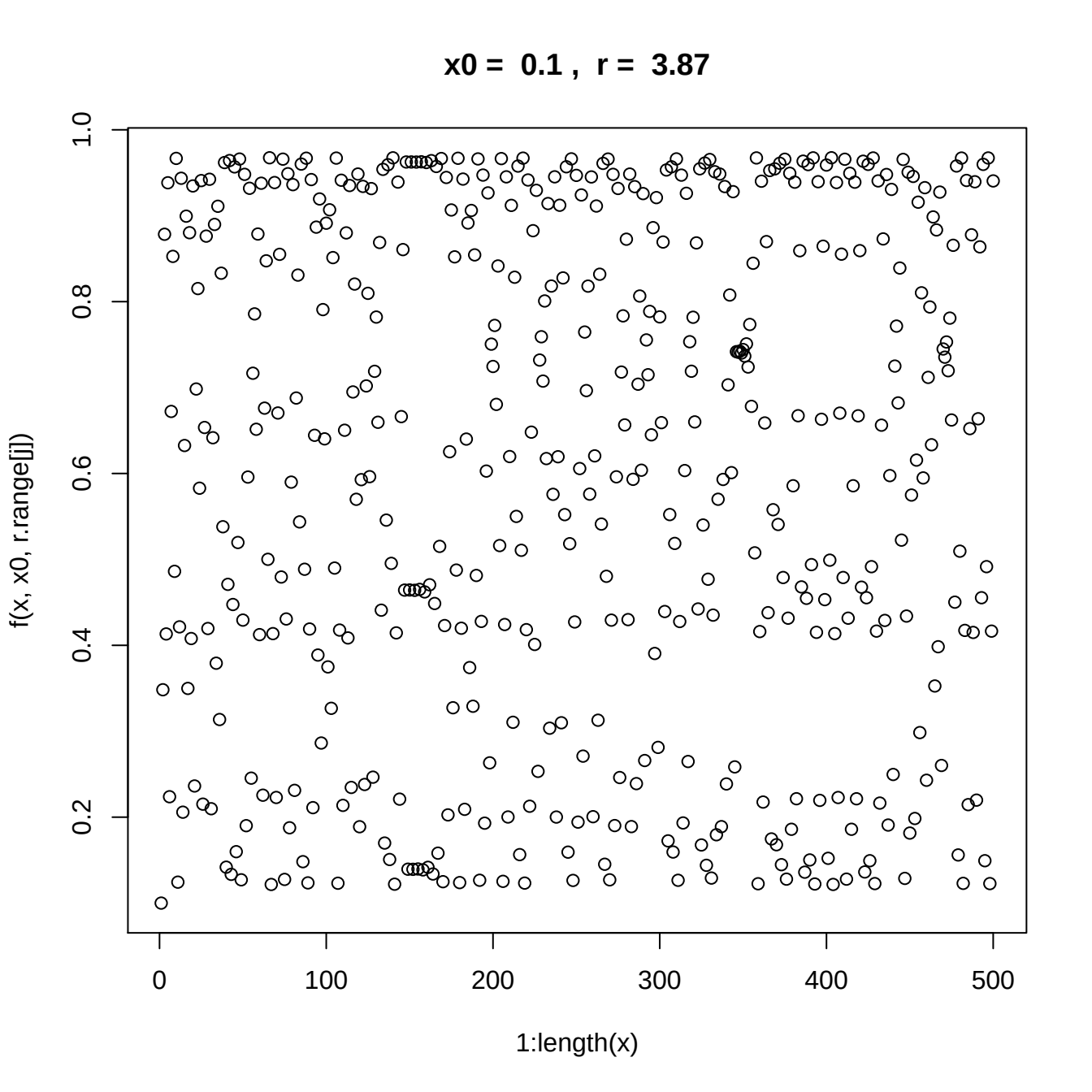

x0 = 0.1 , r = 3.86
f(x, x0, r.range[j])
0.2
0.4
0.6
0.8
0
100
200
300
400
500
1:length(x)

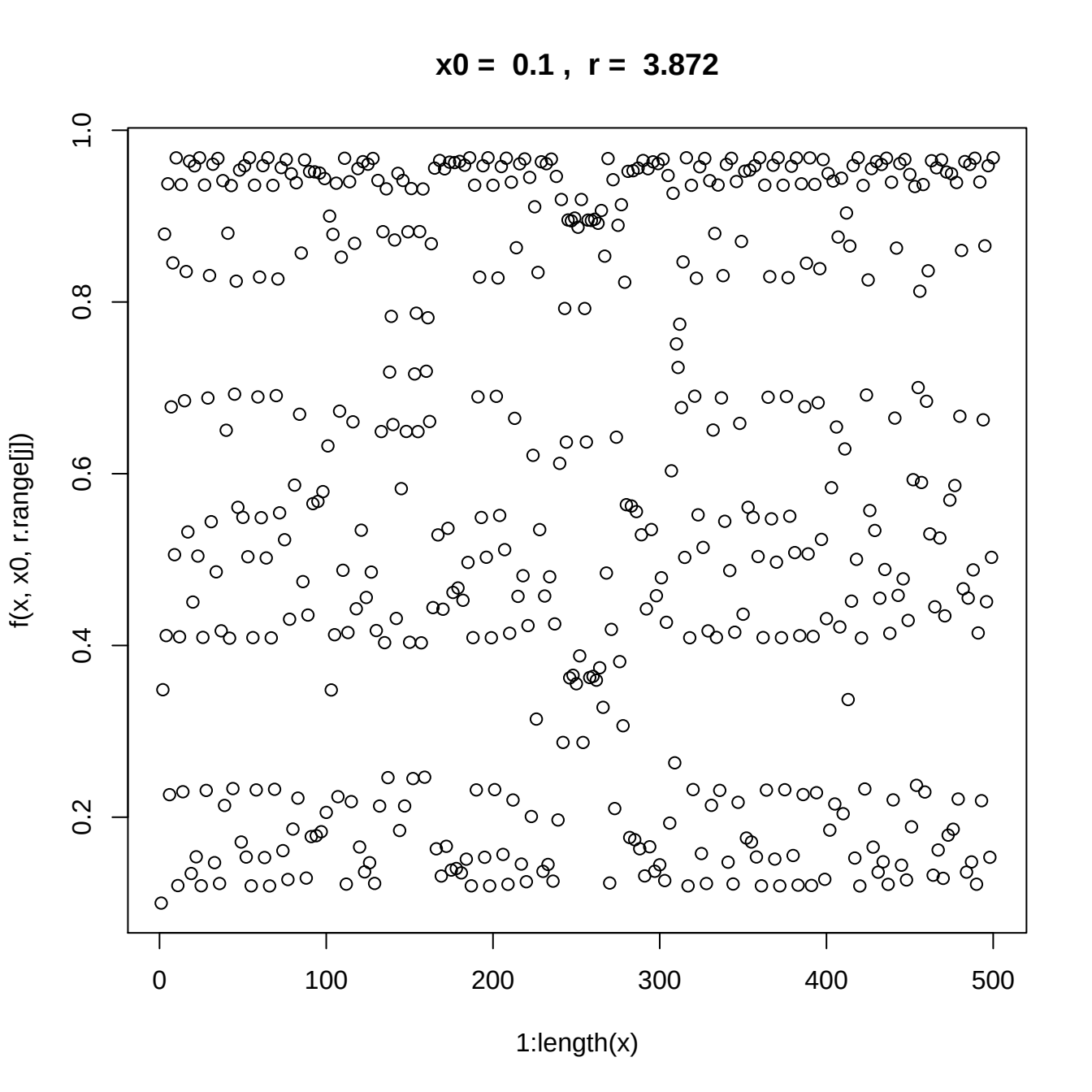

x0 = 0.1 , r = 3.862
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

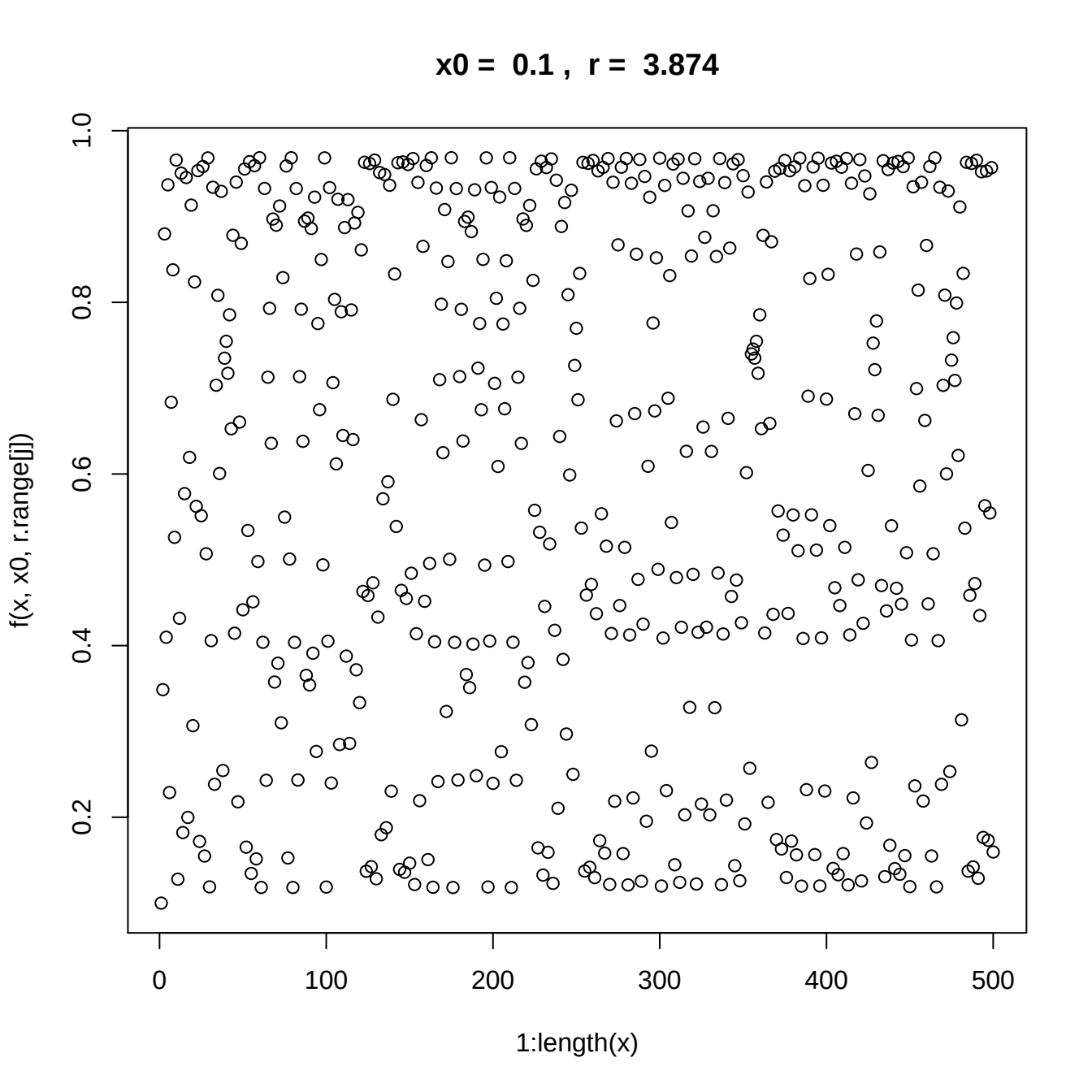

x0 = 0.1 , r = 3.864
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

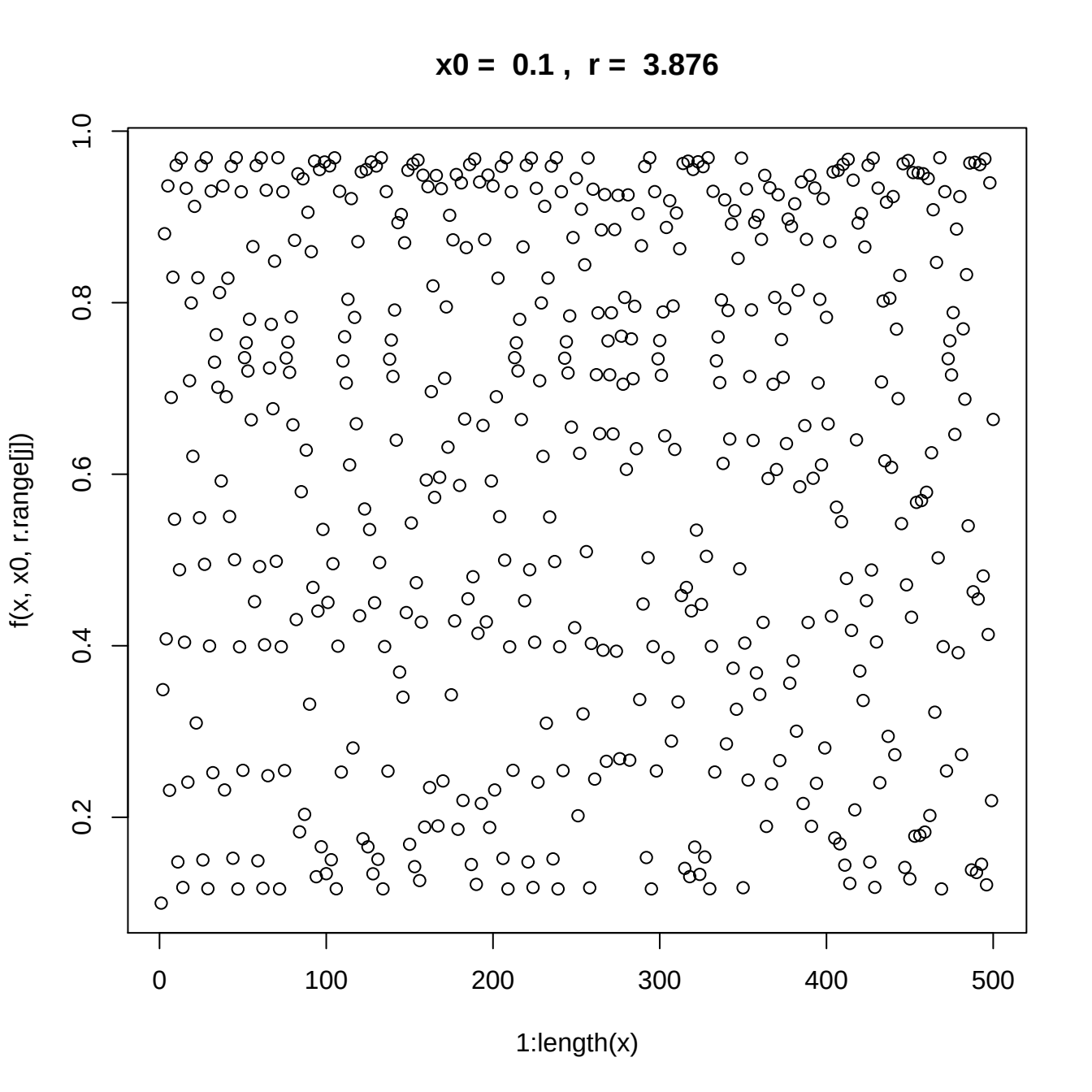

x0 = 0.1 , r = 3.866
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

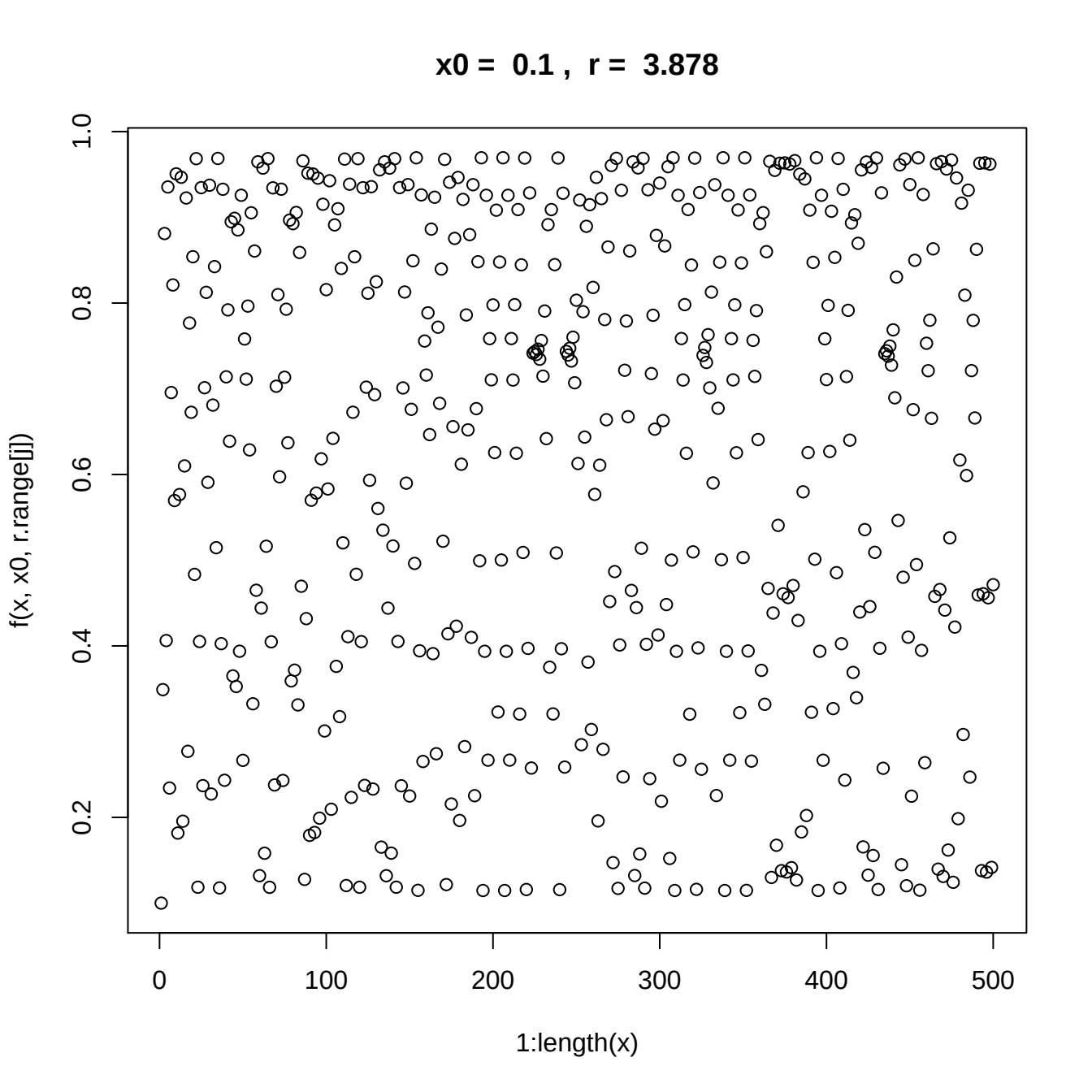

x0 = 0.1 , r = 3.868
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

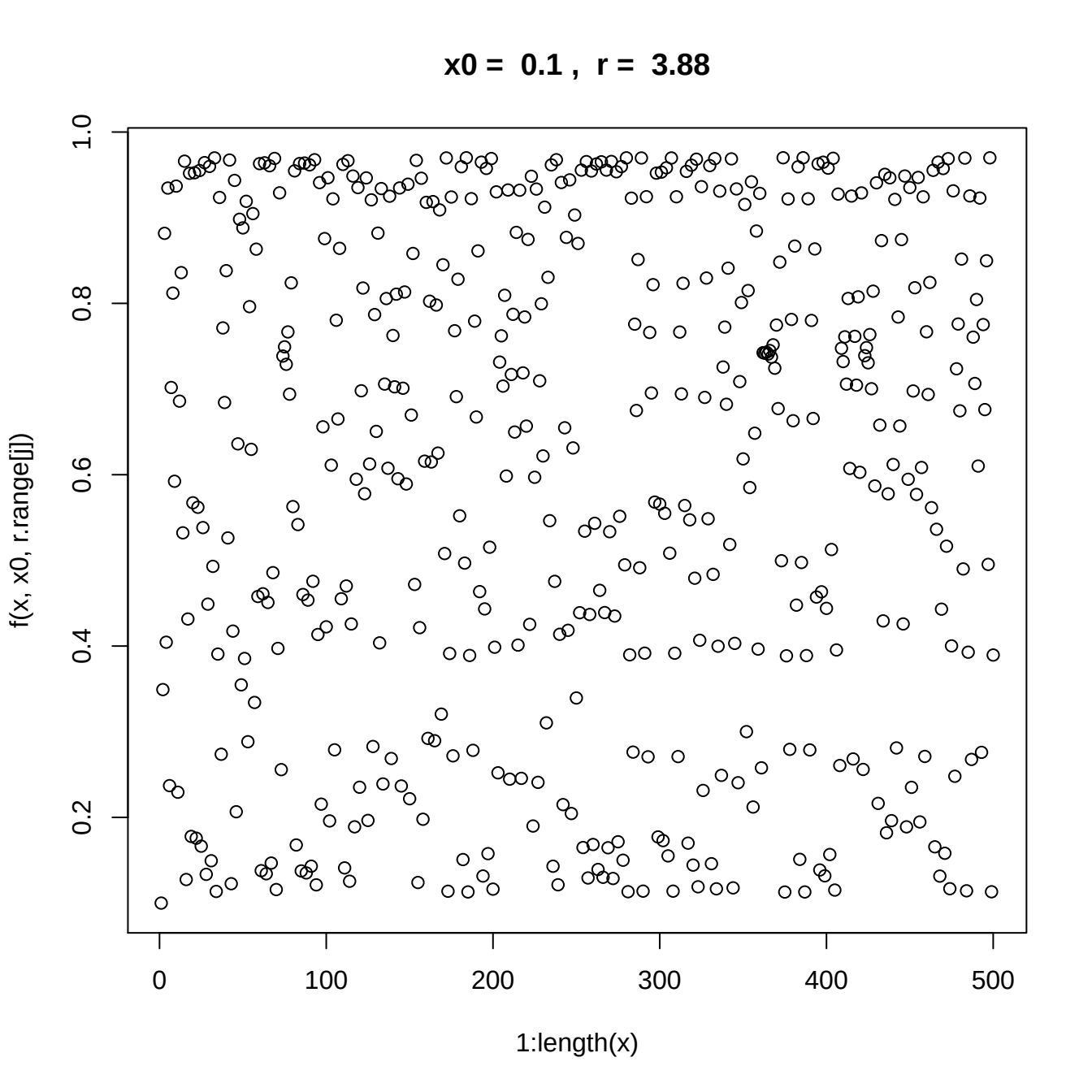

x0 = 0.1 , r = 3.87
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

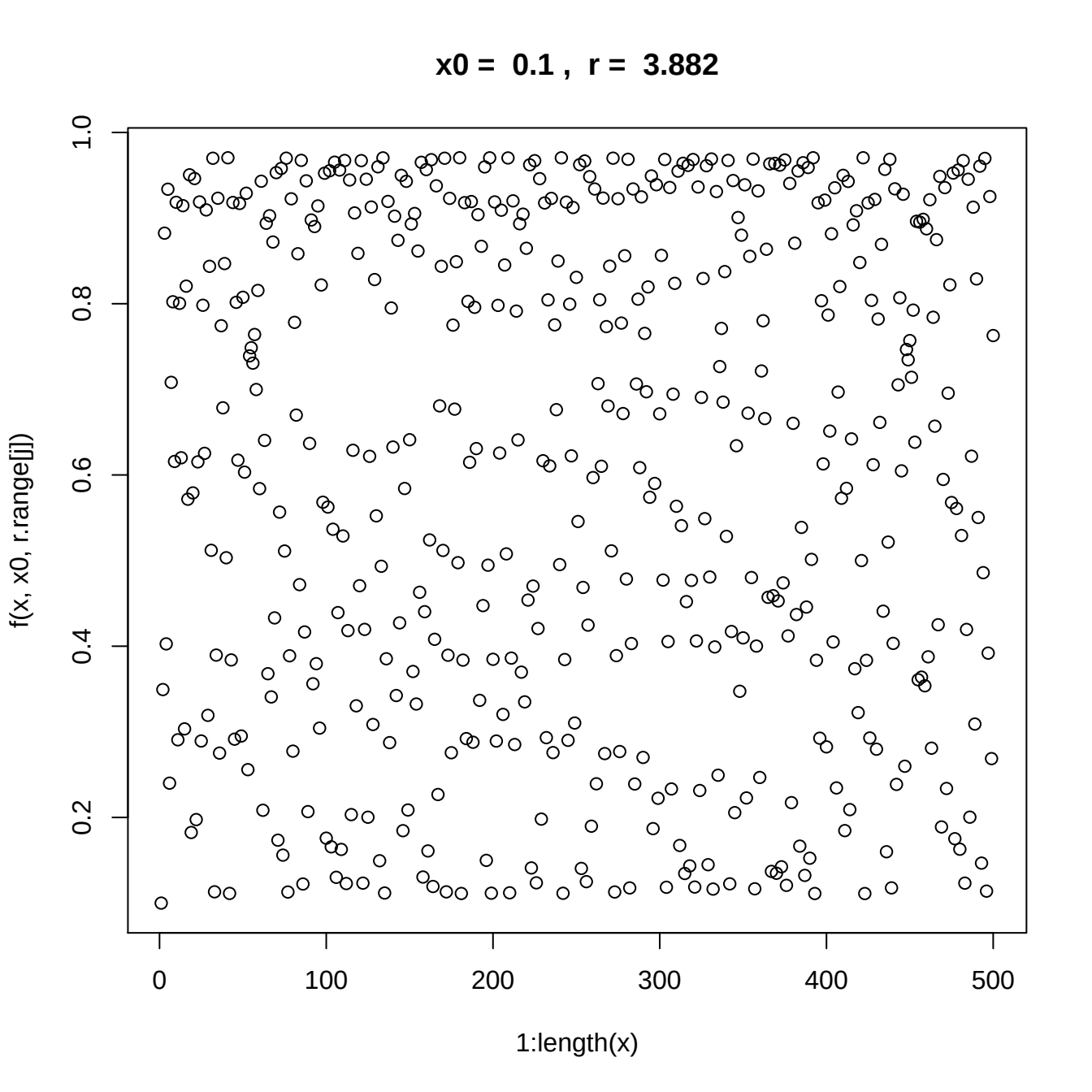

x0 = 0.1 , r = 3.872
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

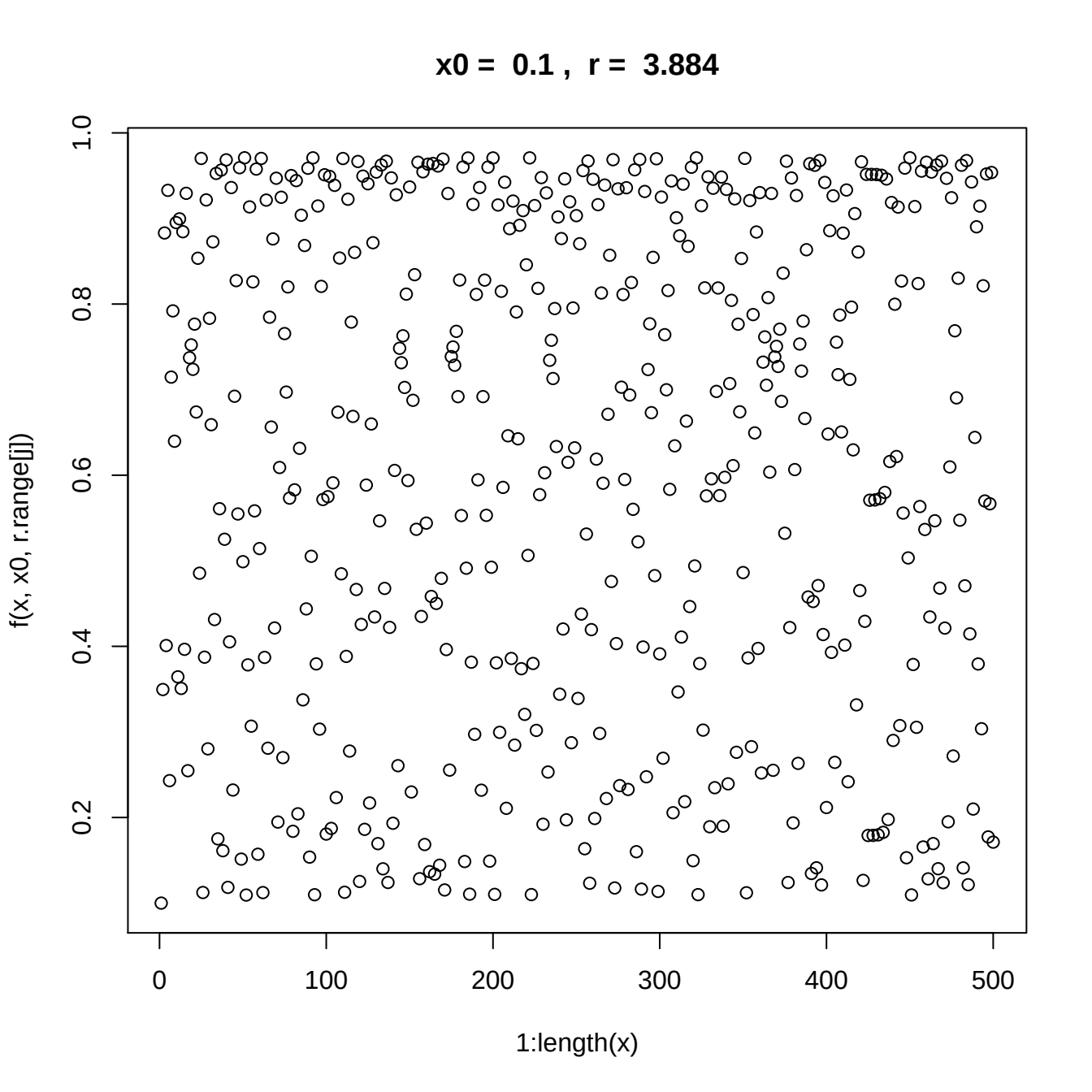

x0 = 0.1 , r = 3.874
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

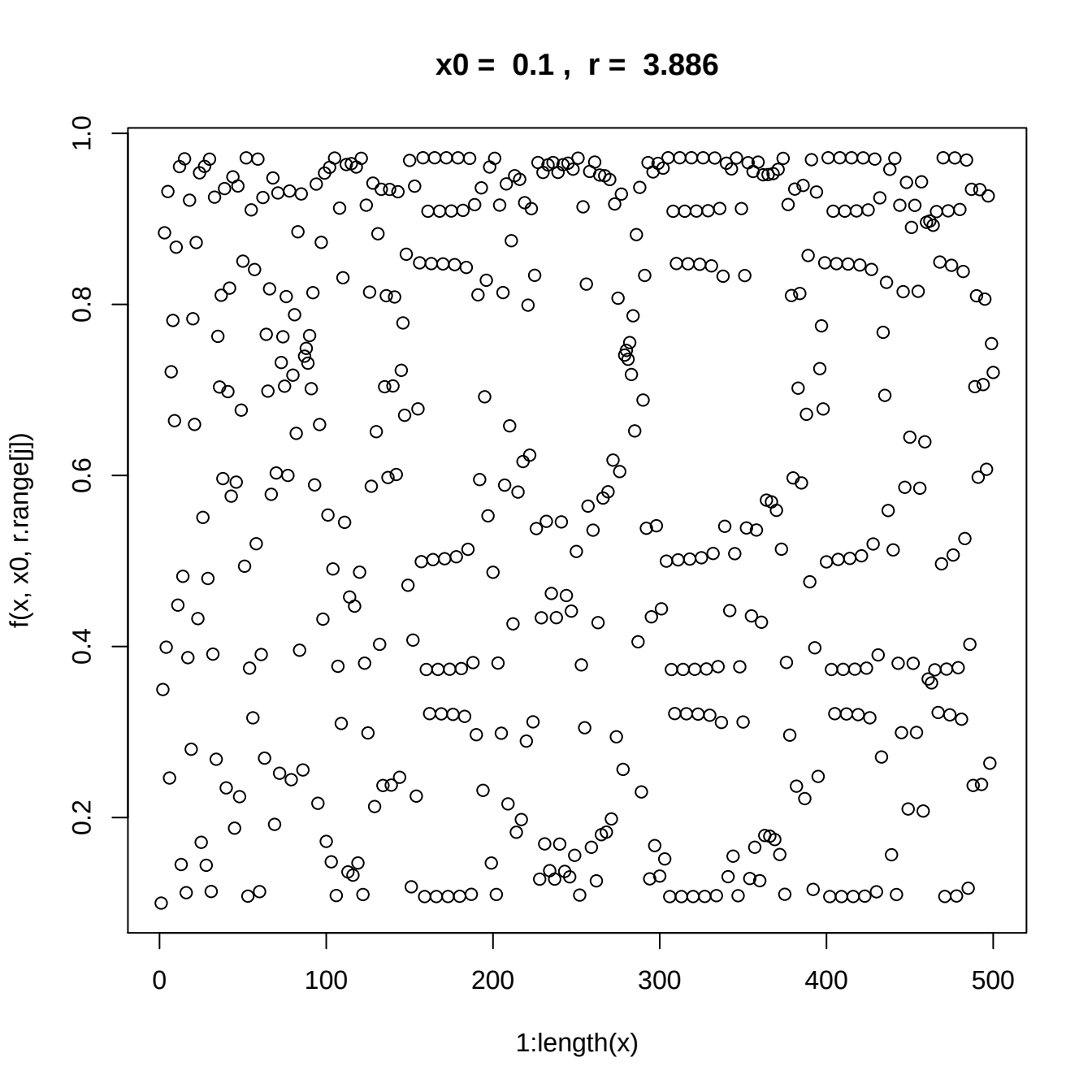

x0 = 0.1 , r = 3.876
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

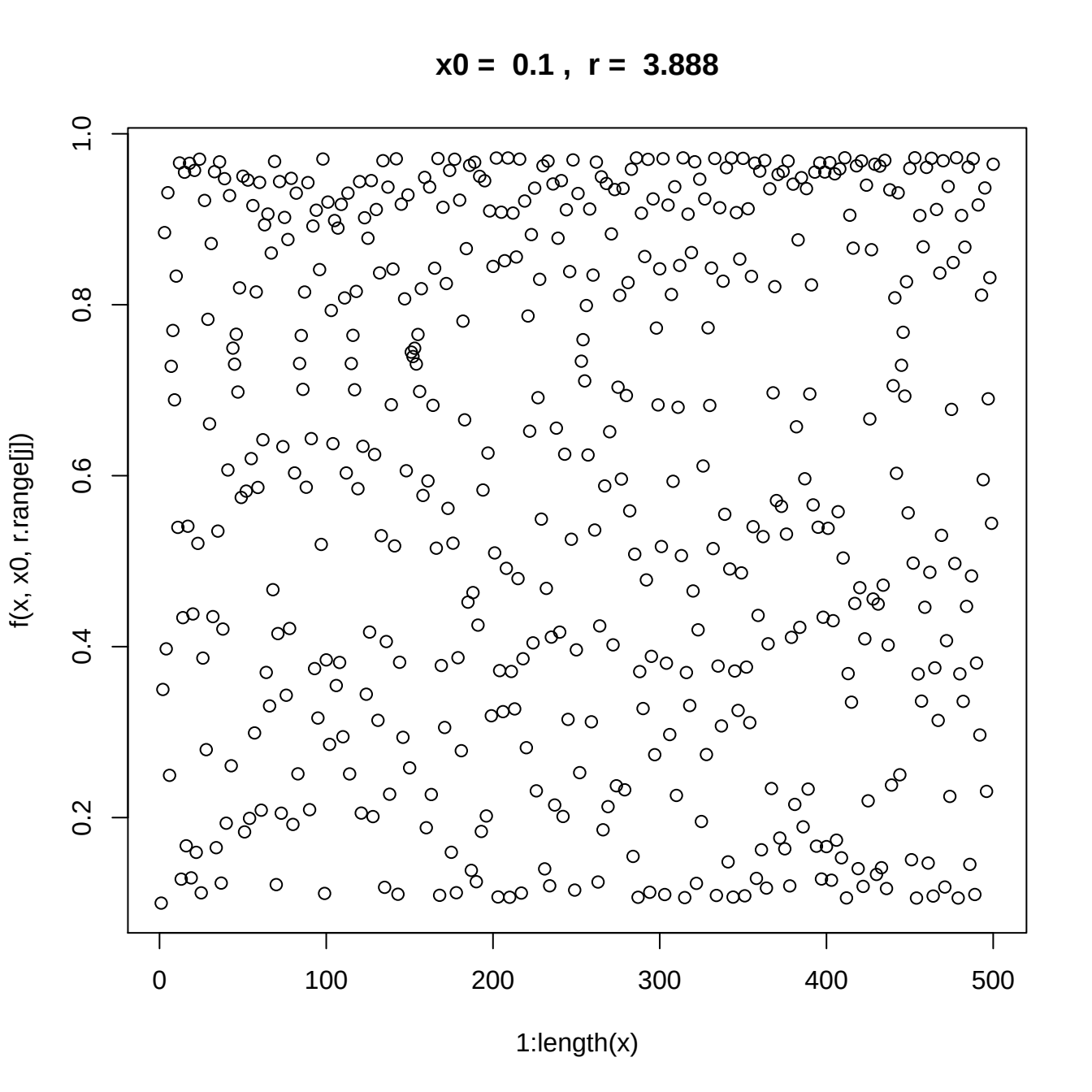

x0 = 0.1 , r = 3.878
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

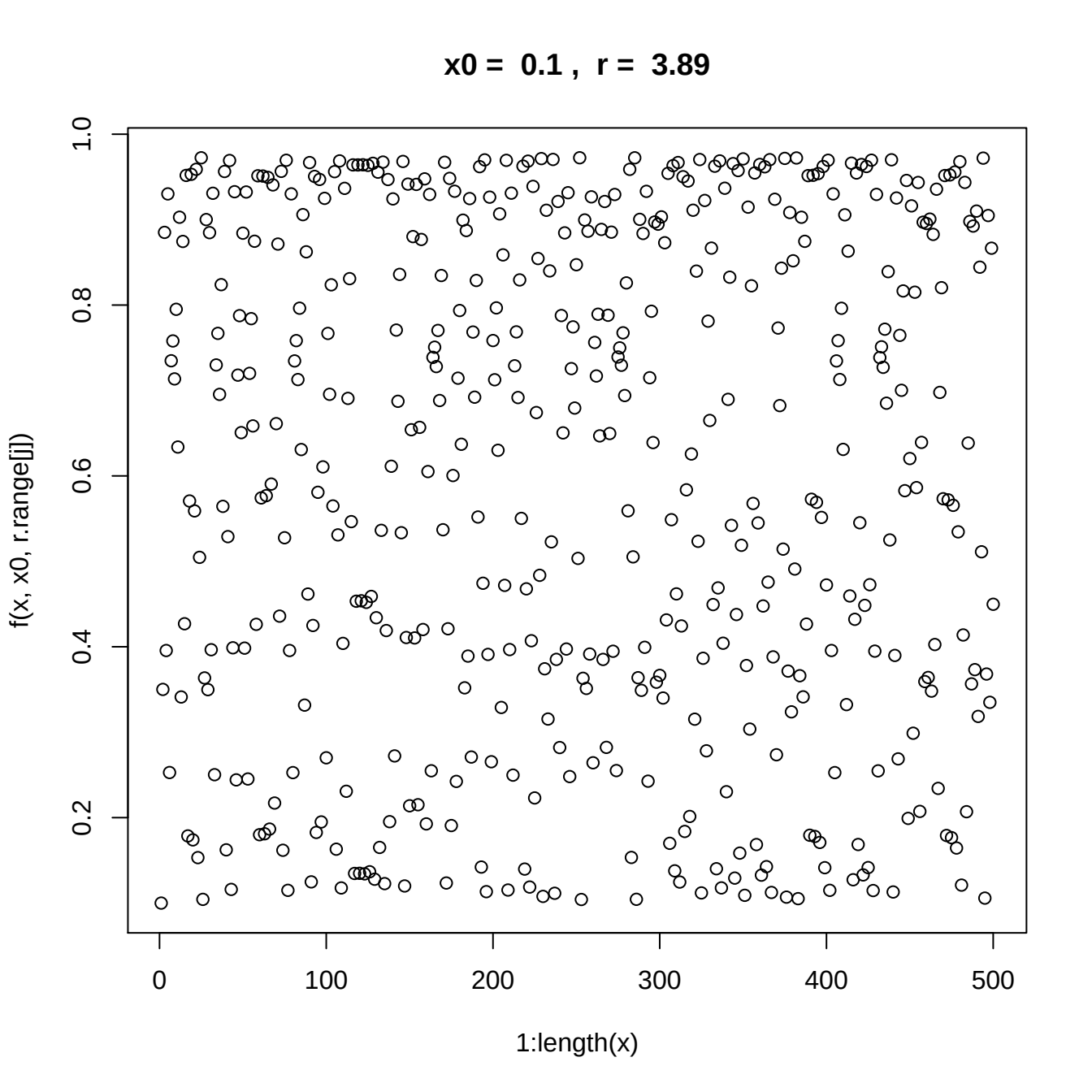

x0 = 0.1 , r = 3.88
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

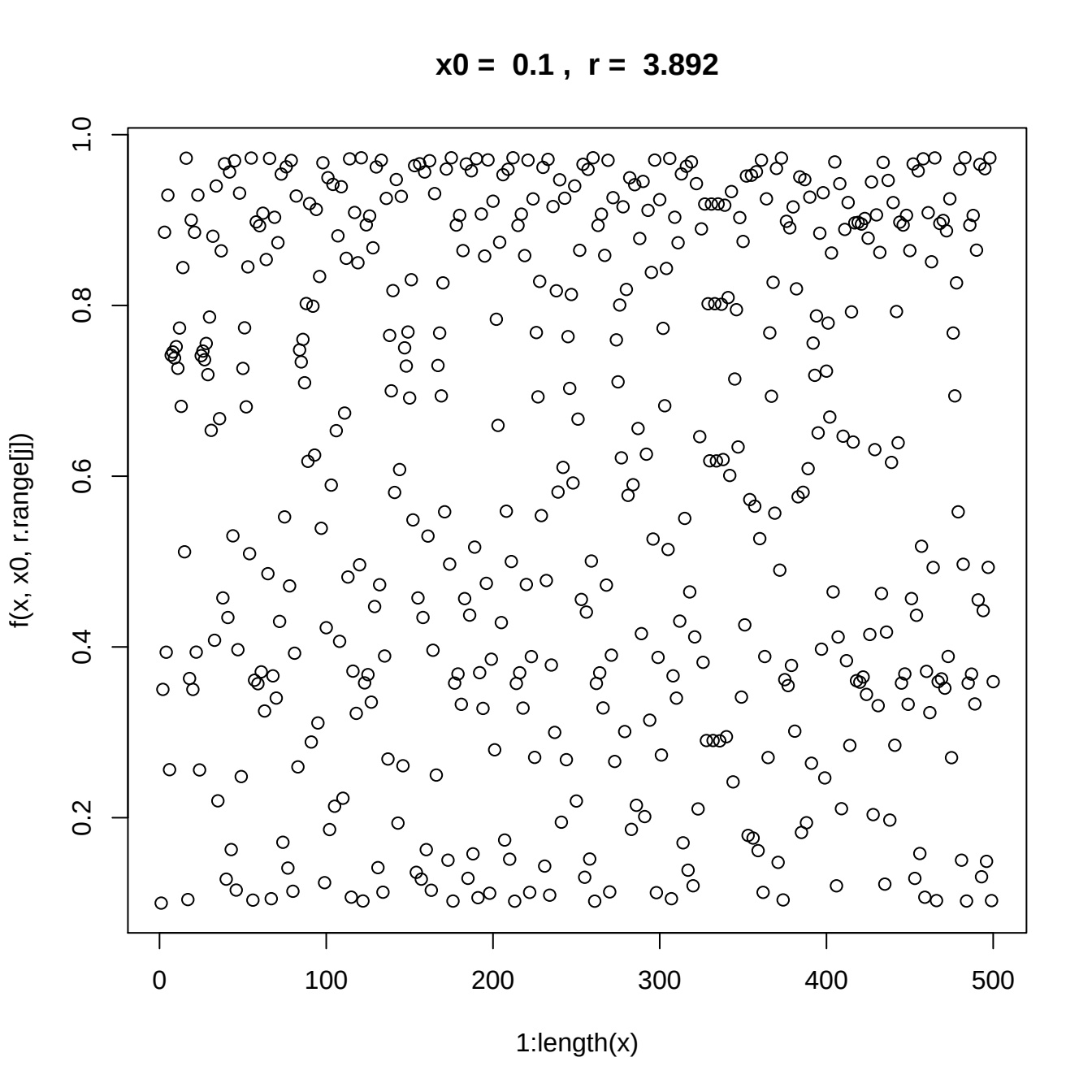

x0 = 0.1 , r = 3.882
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

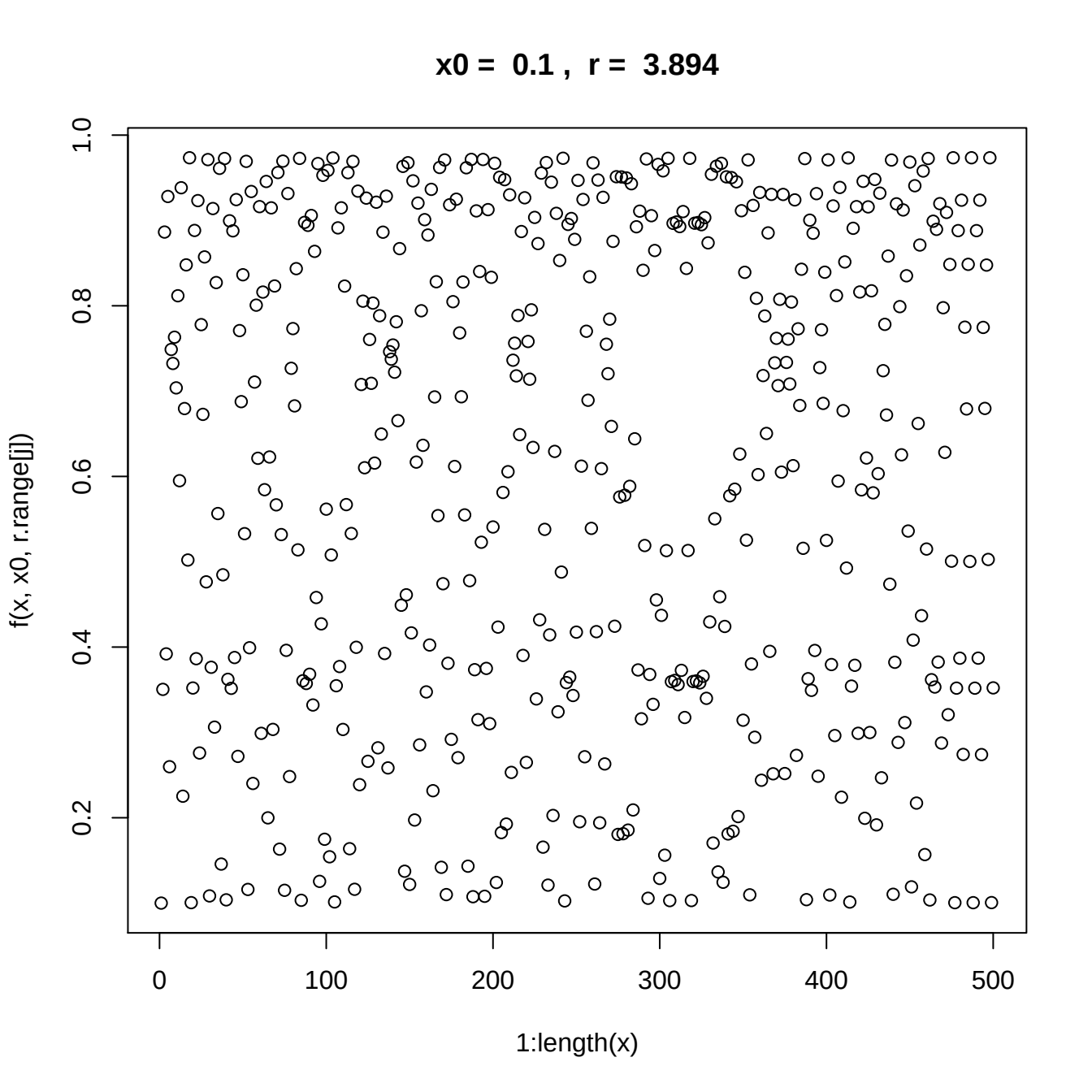

x0 = 0.1 , r = 3.884
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

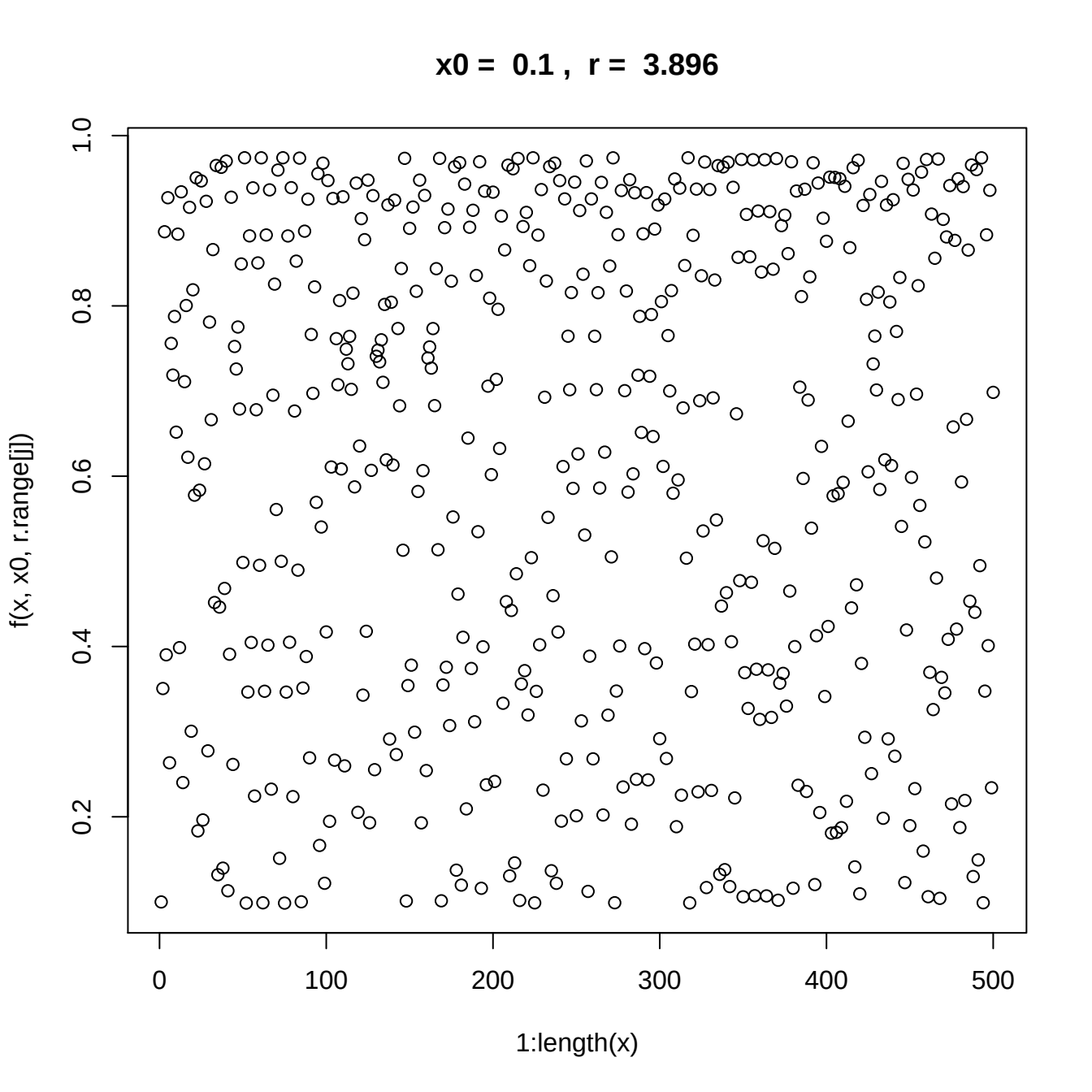

x0 = 0.1 , r = 3.886
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

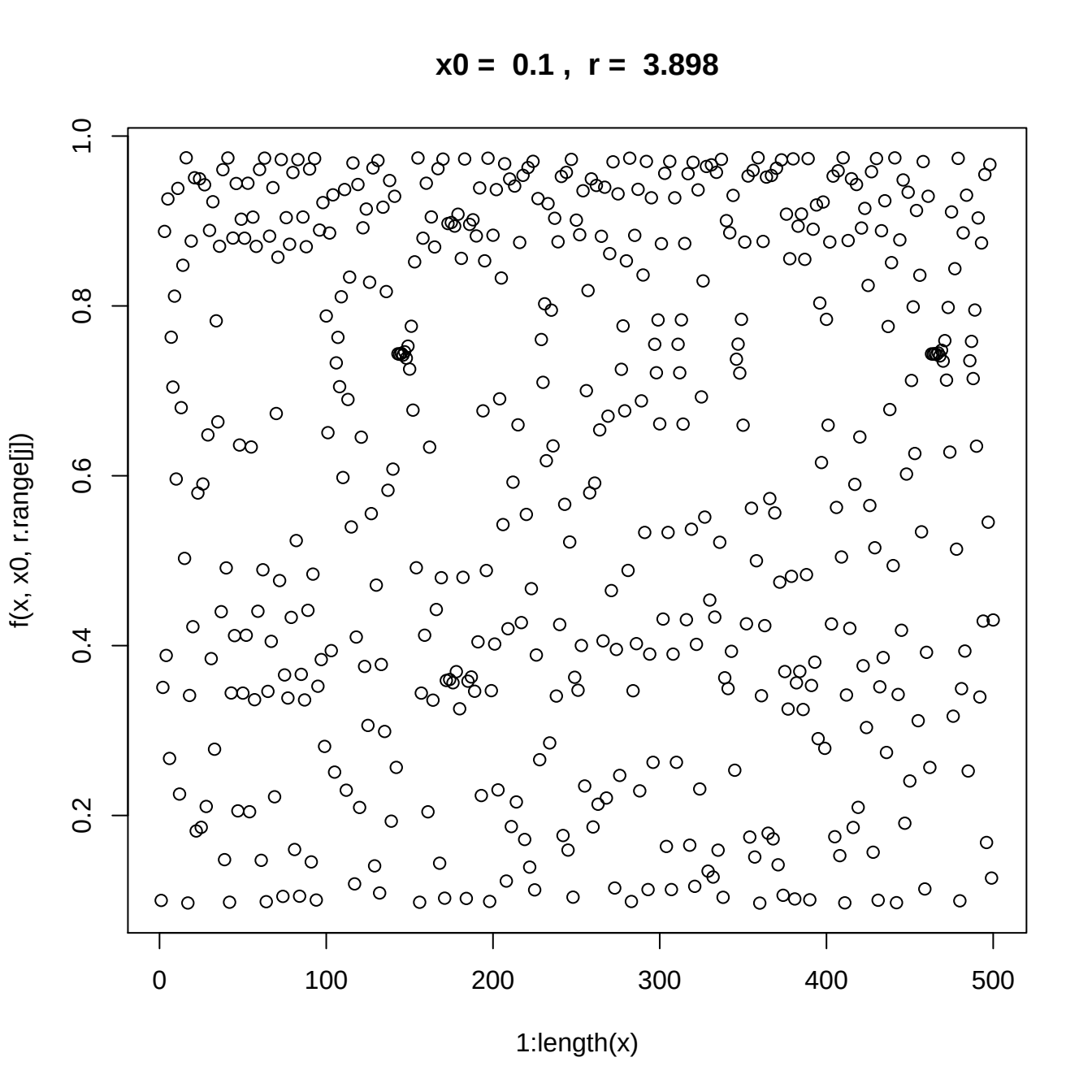

x0 = 0.1 , r = 3.888
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

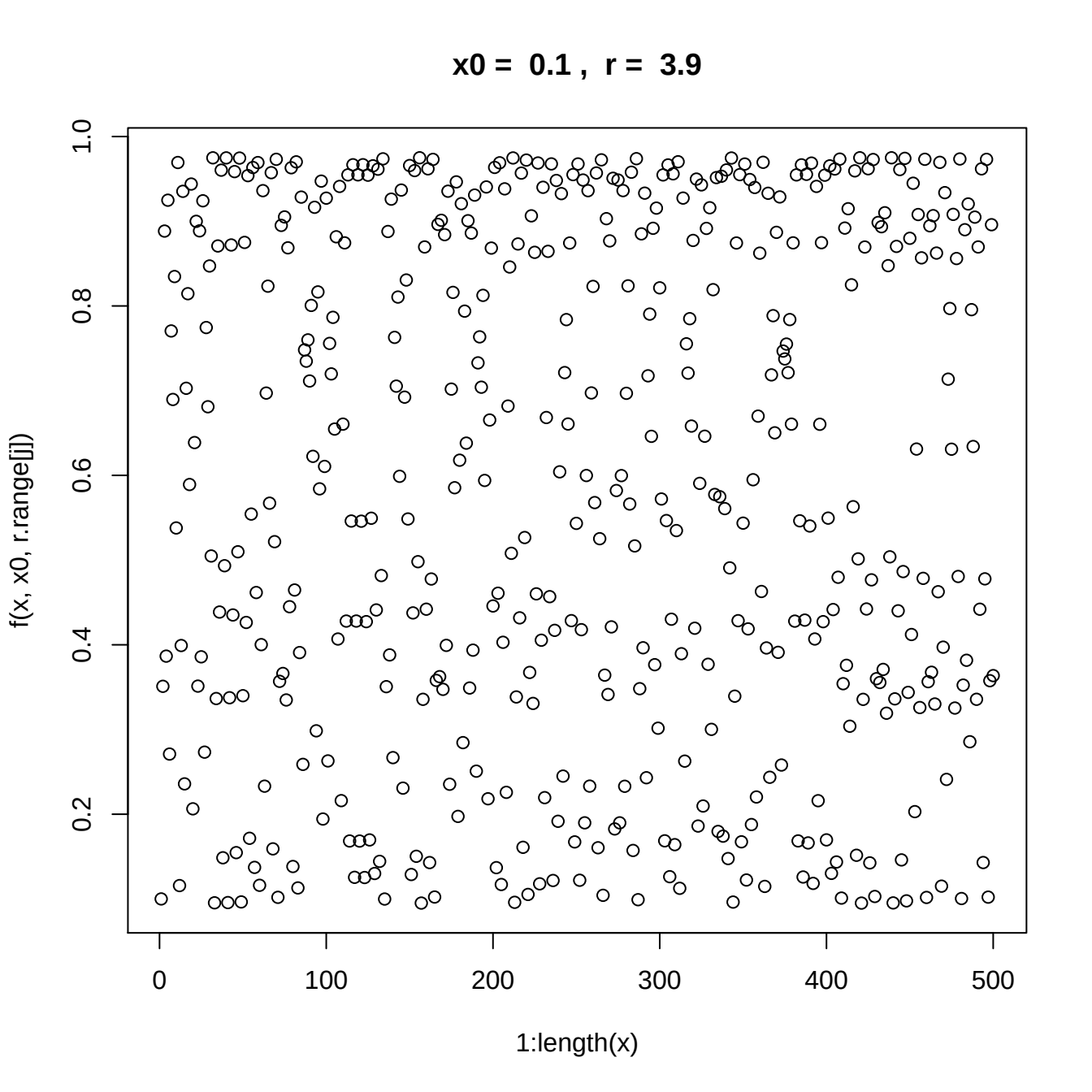

x0 = 0.1 , r = 3.89
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

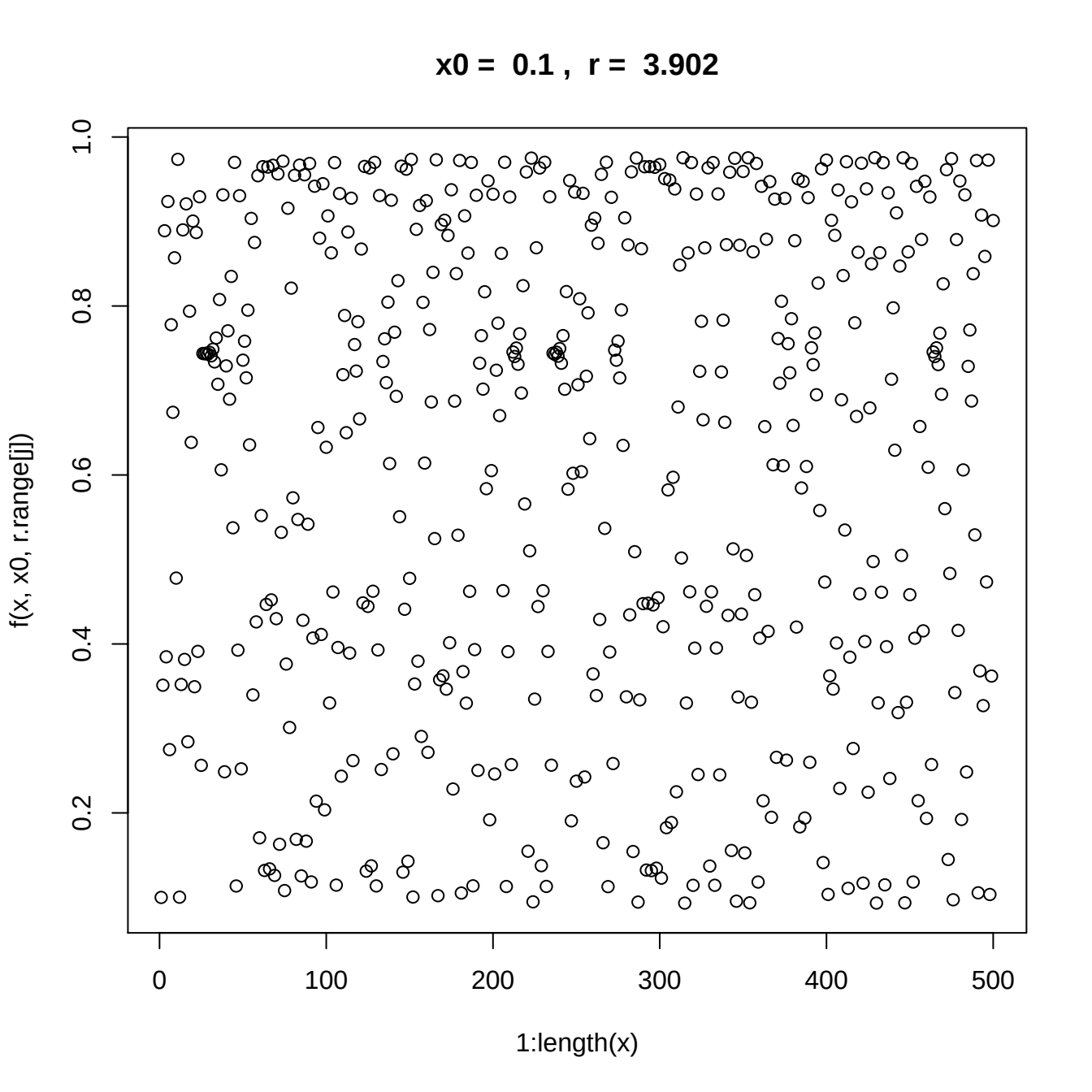

x0 = 0.1 , r = 3.892
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

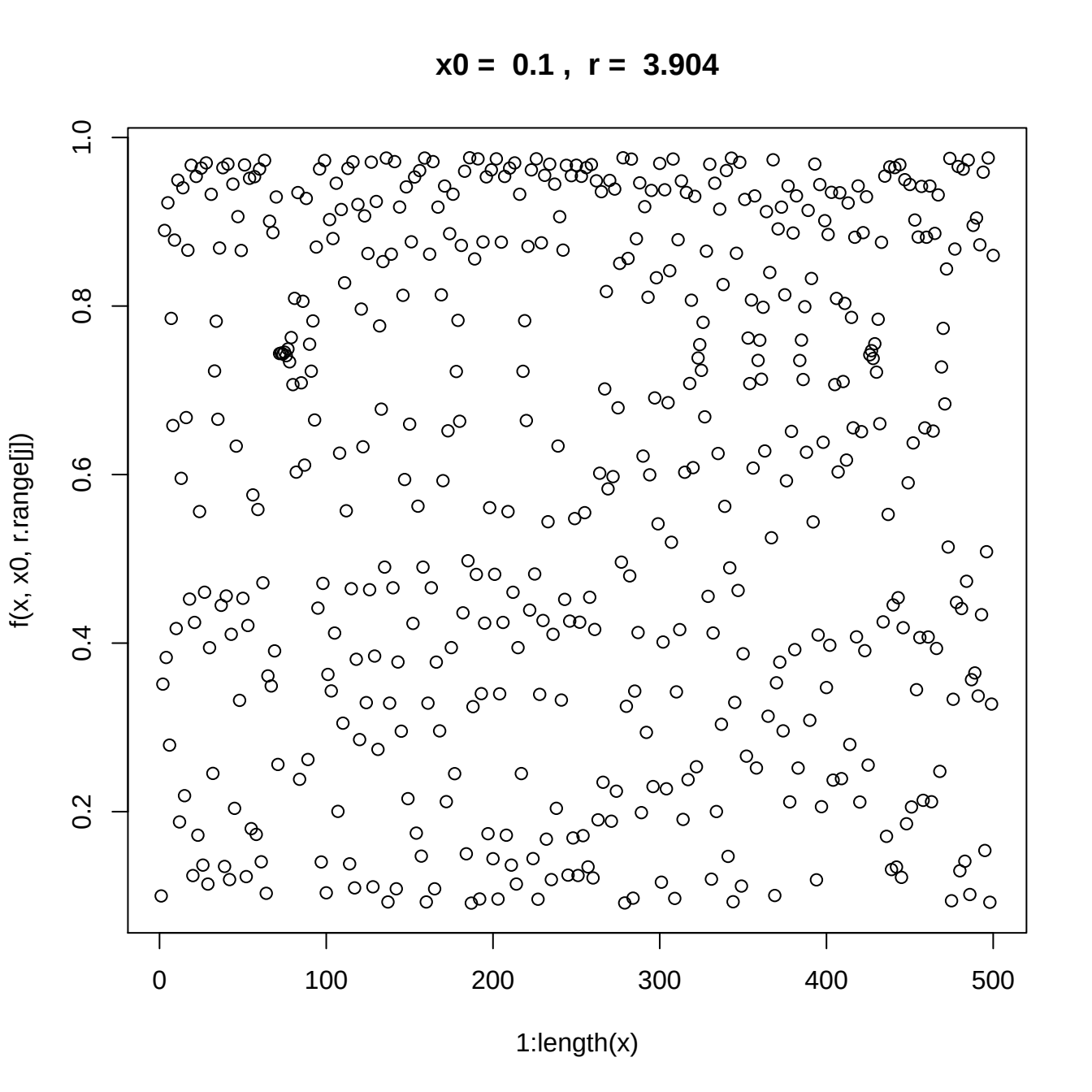

x0 = 0.1 , r = 3.894
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

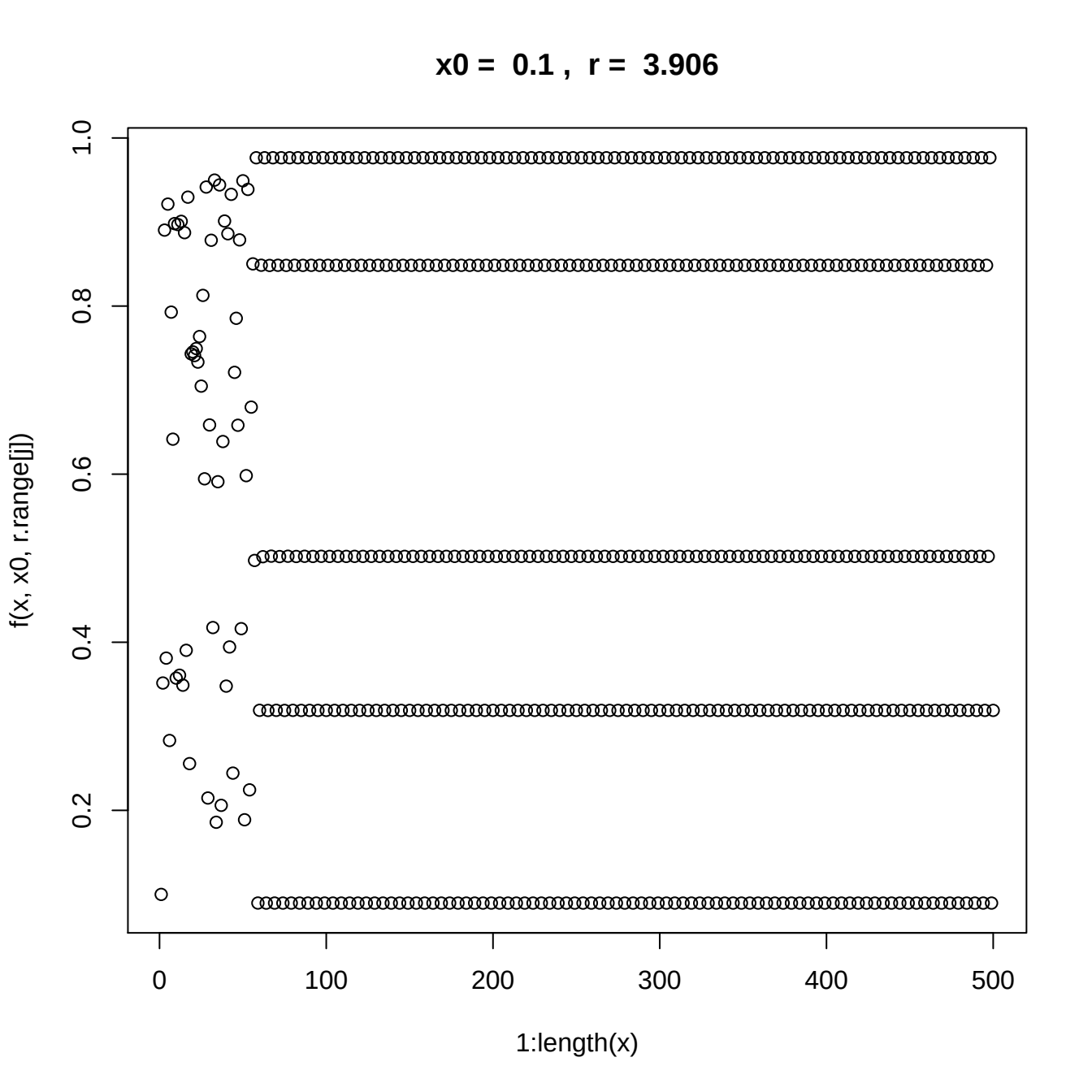

x0 = 0.1 , r = 3.896
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

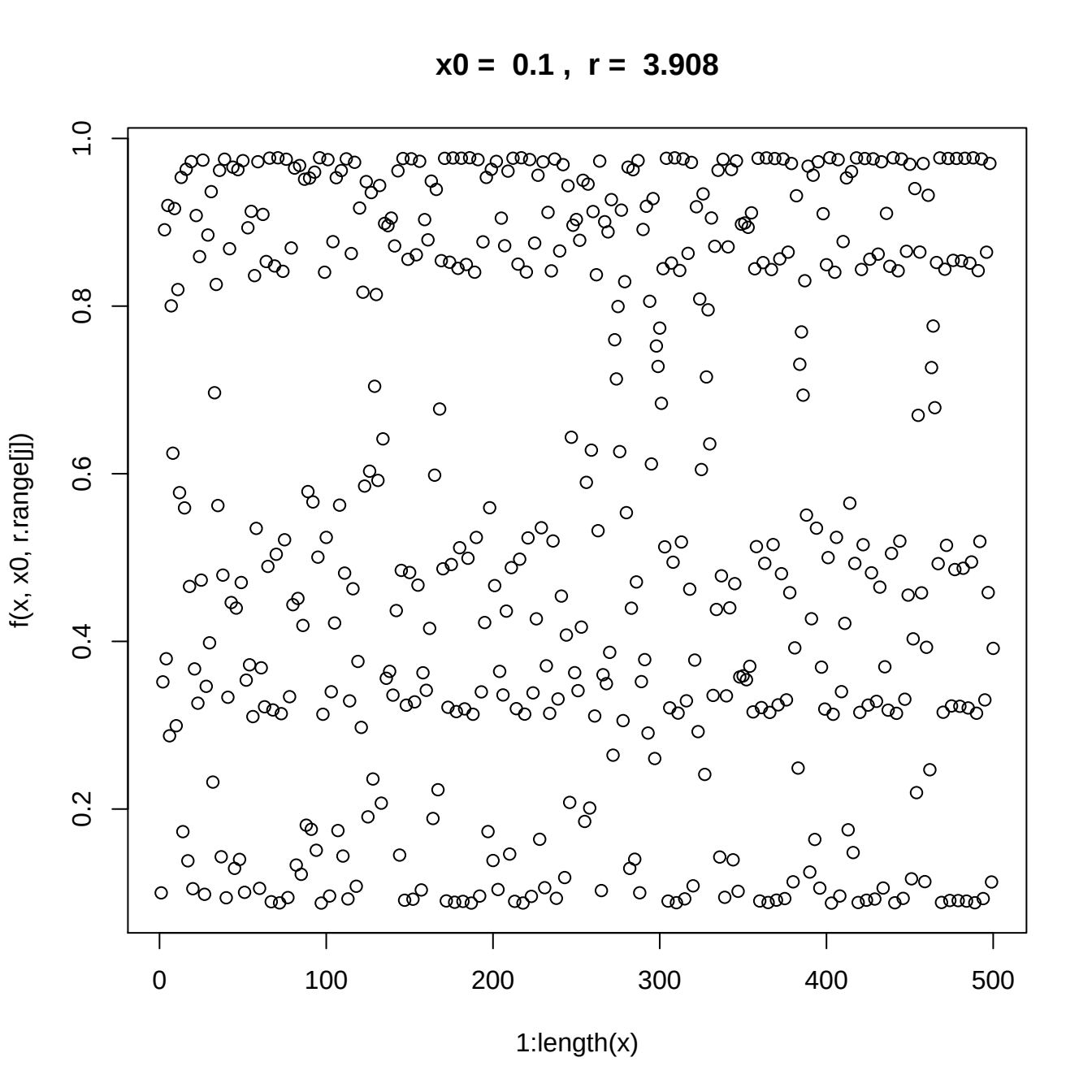

x0 = 0.1 , r = 3.898
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

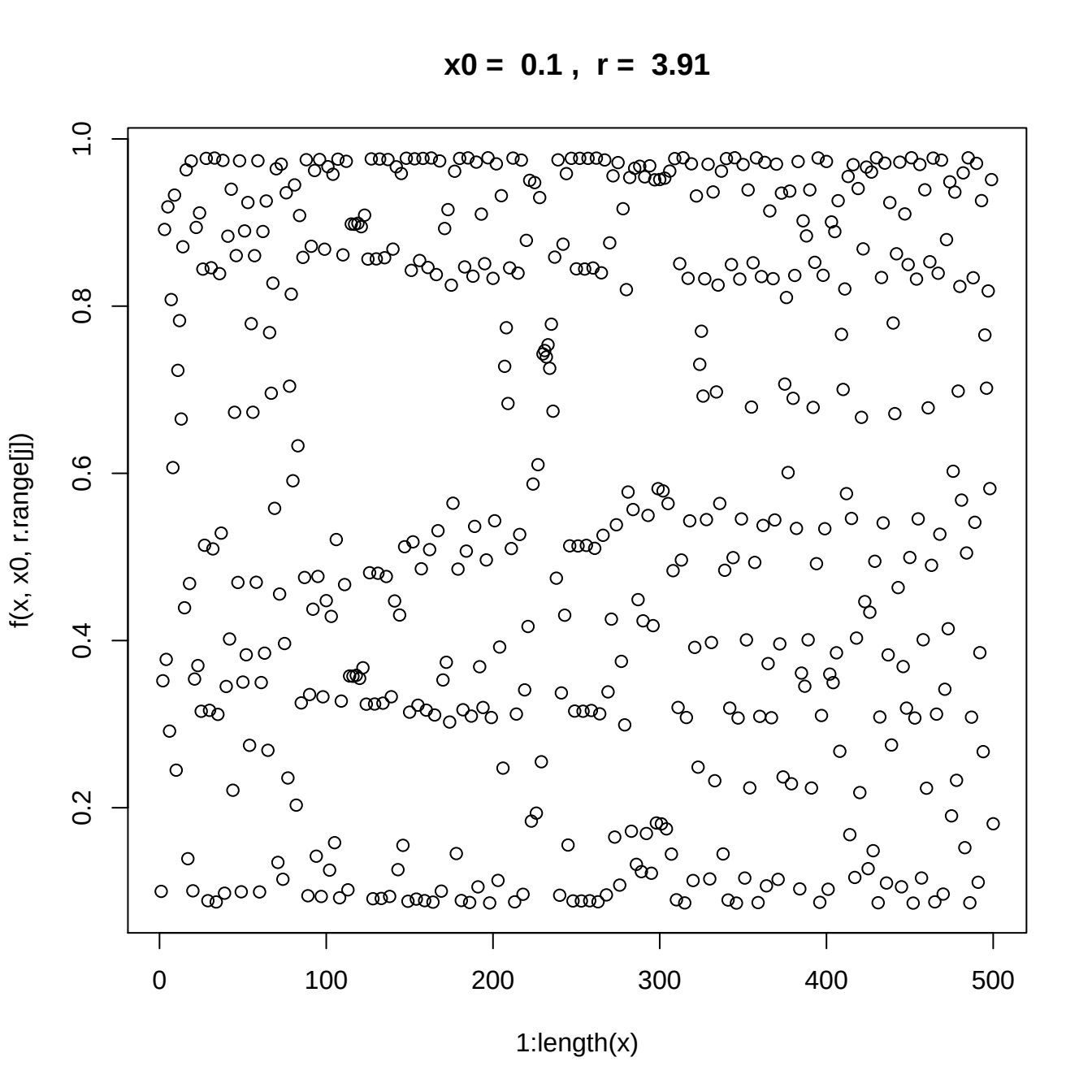

x0 = 0.1 , r = 3.9
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

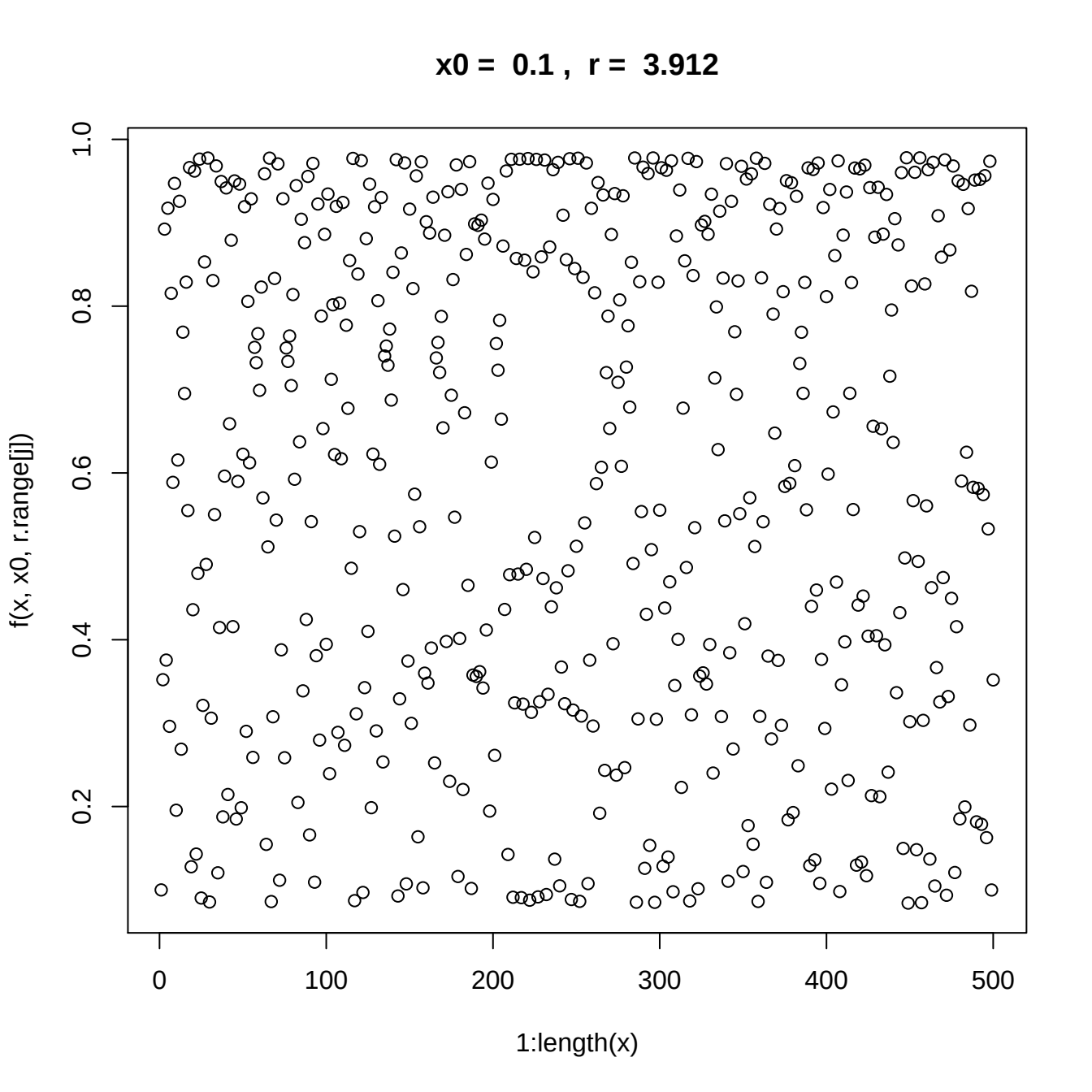

x0 = 0.1 , r = 3.902
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

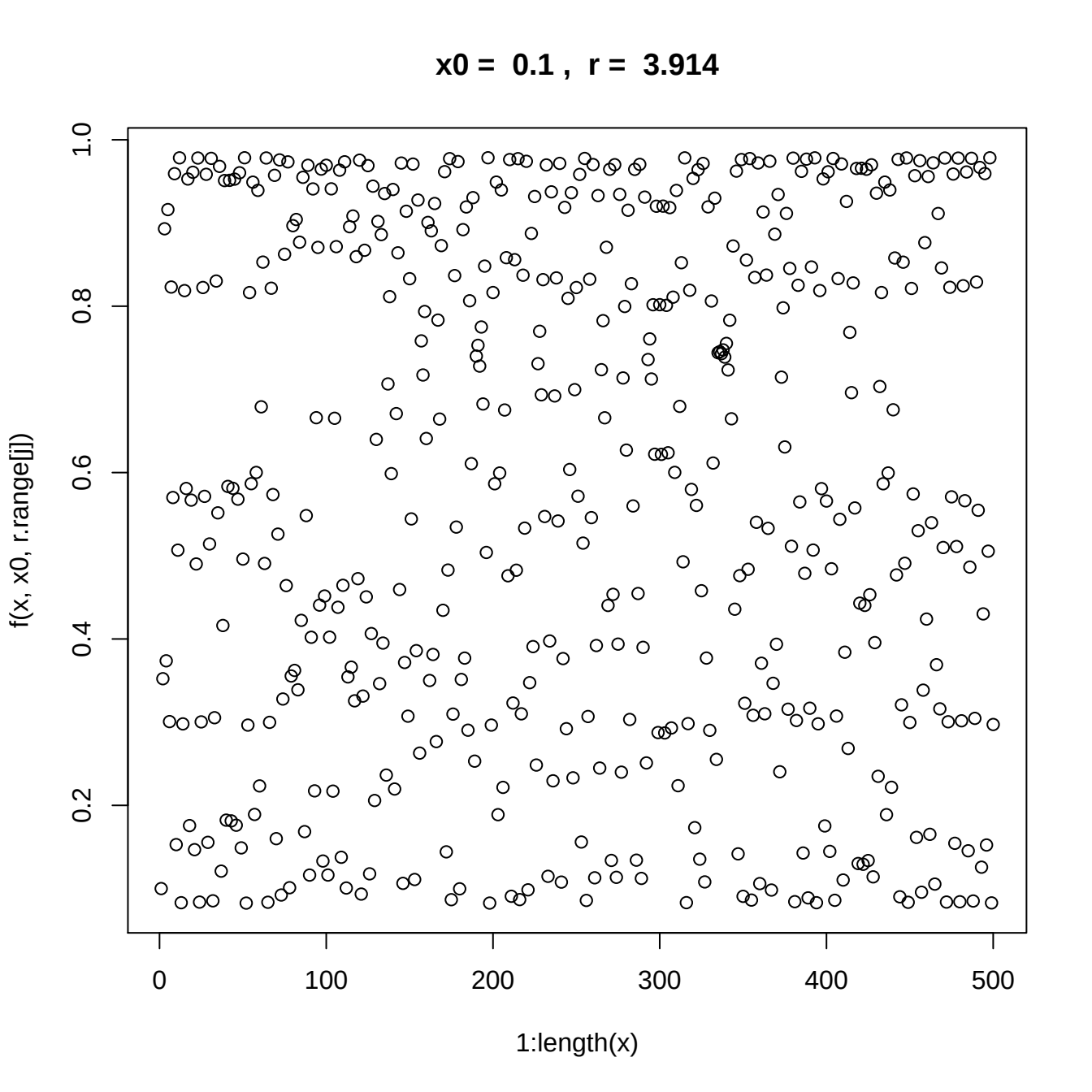

x0 = 0.1 , r = 3.904
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

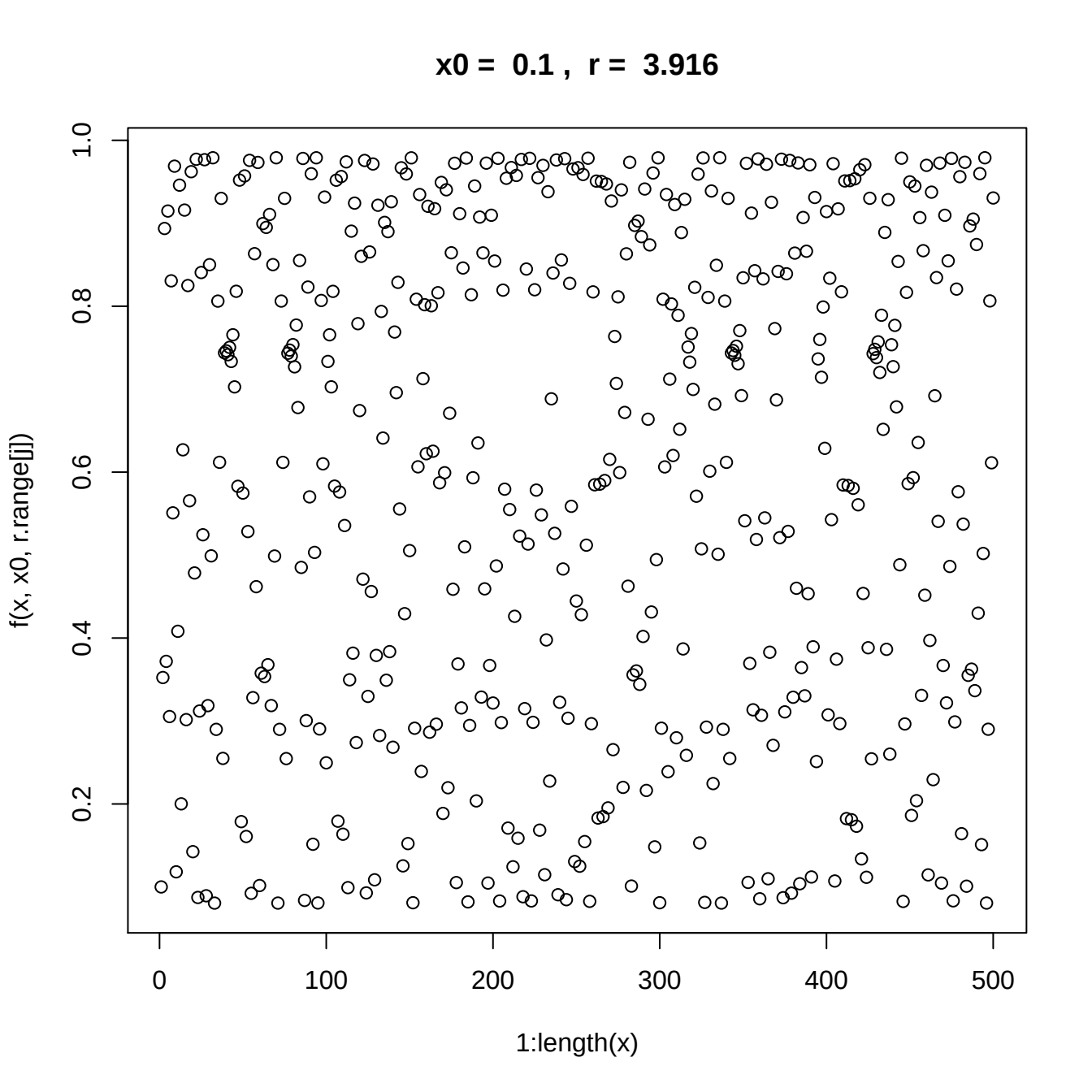

x0 = 0.1 , r = 3.906
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

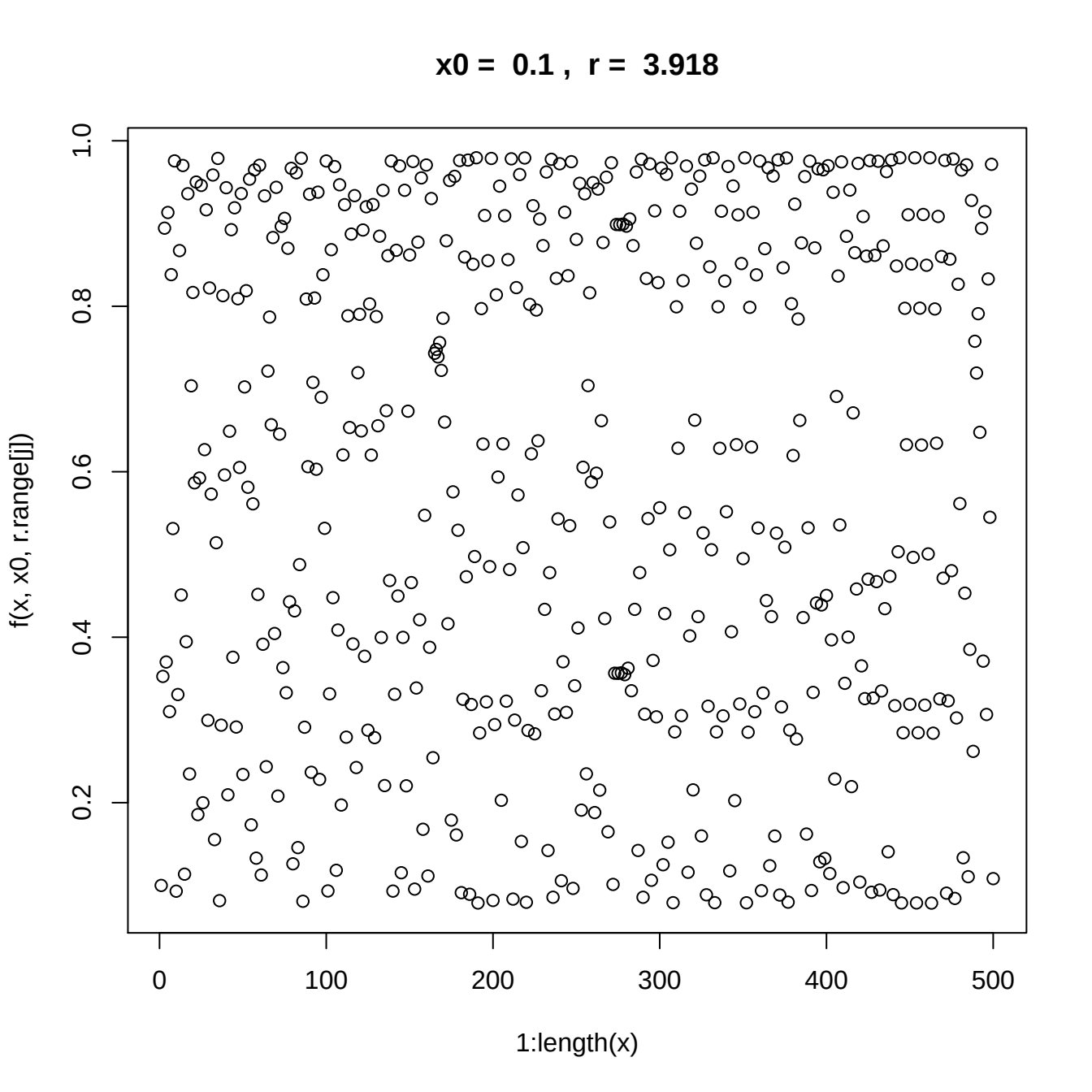

x0 = 0.1 , r = 3.908
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

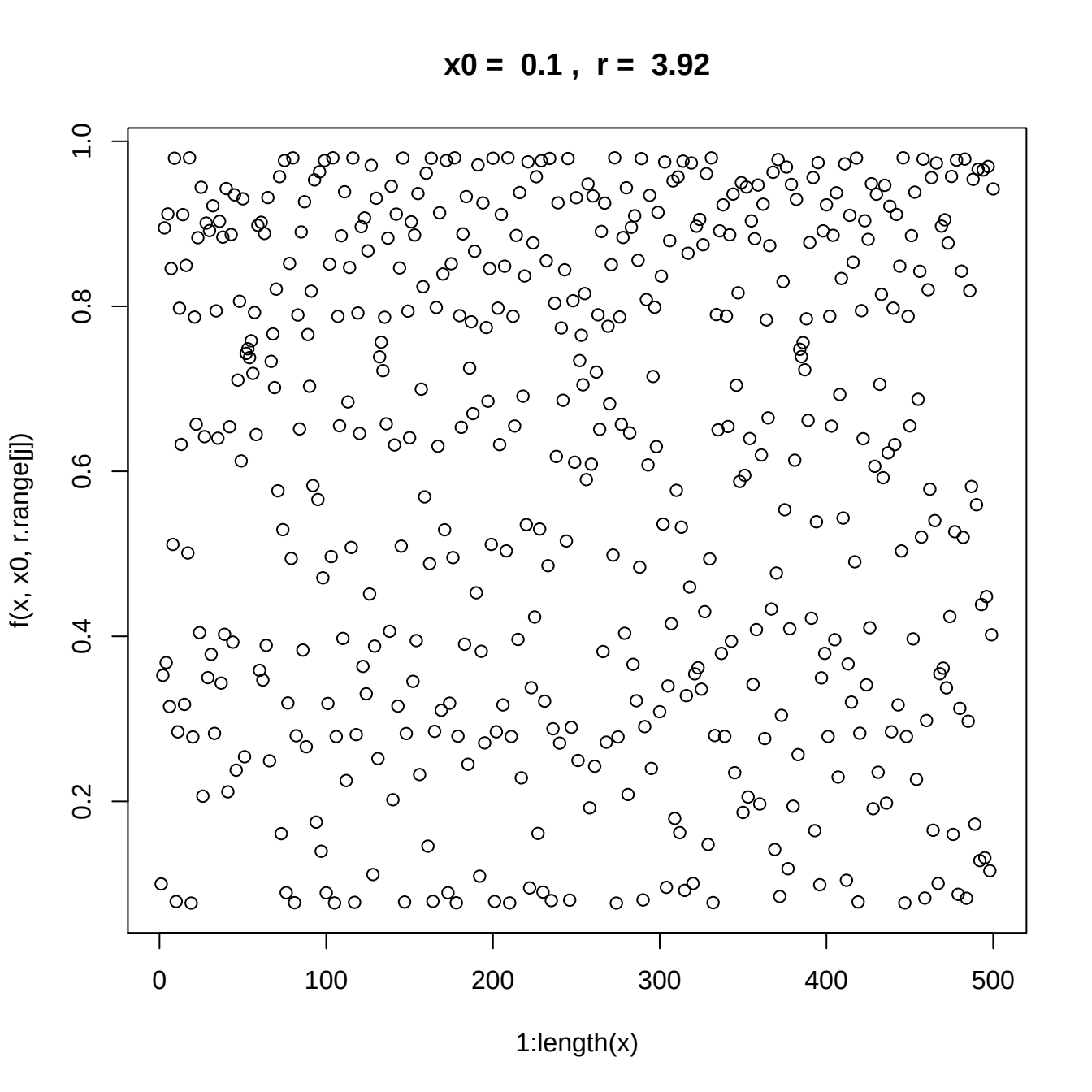

x0 = 0.1 , r = 3.91
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

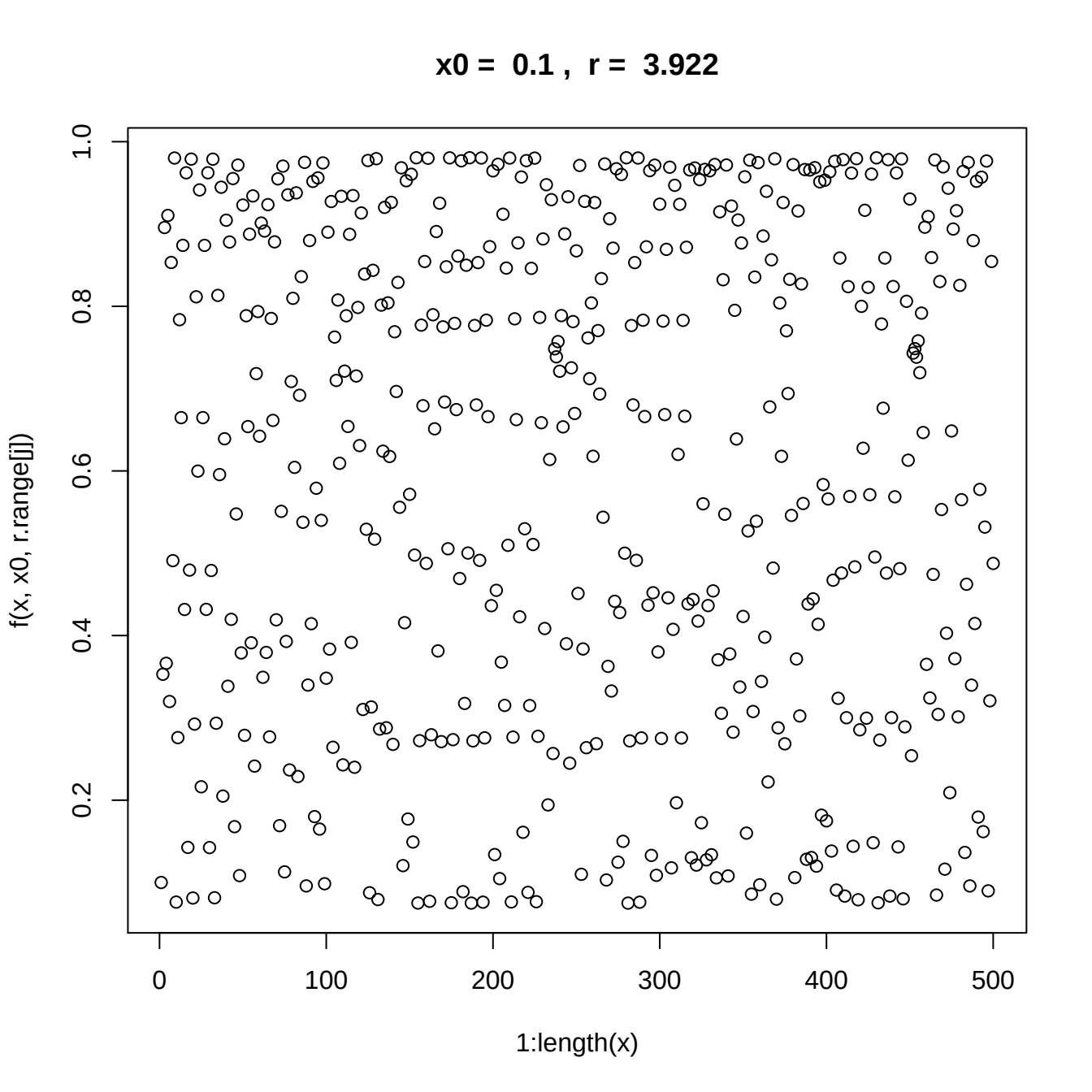

x0 = 0.1 , r = 3.912
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

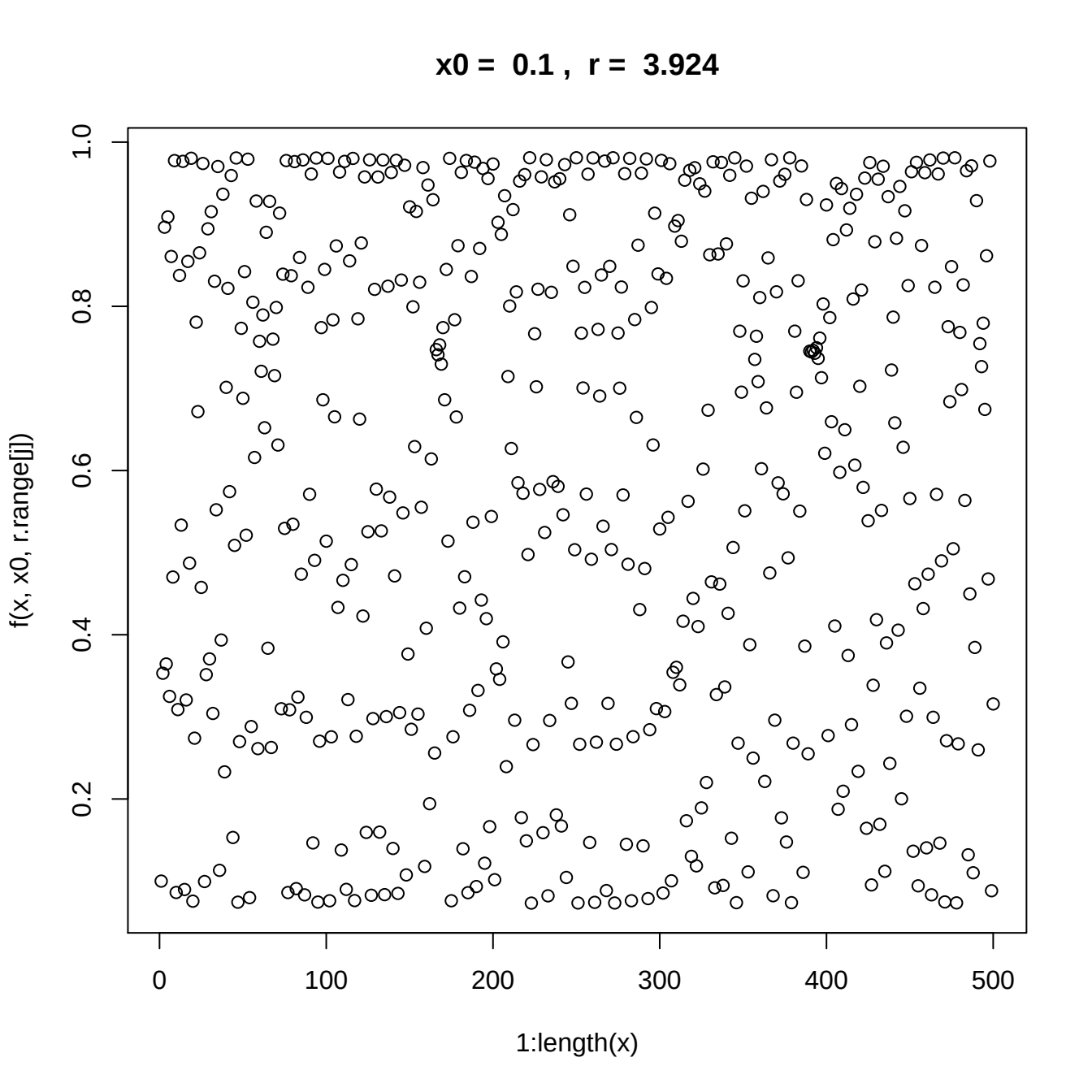

x0 = 0.1 , r = 3.914
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

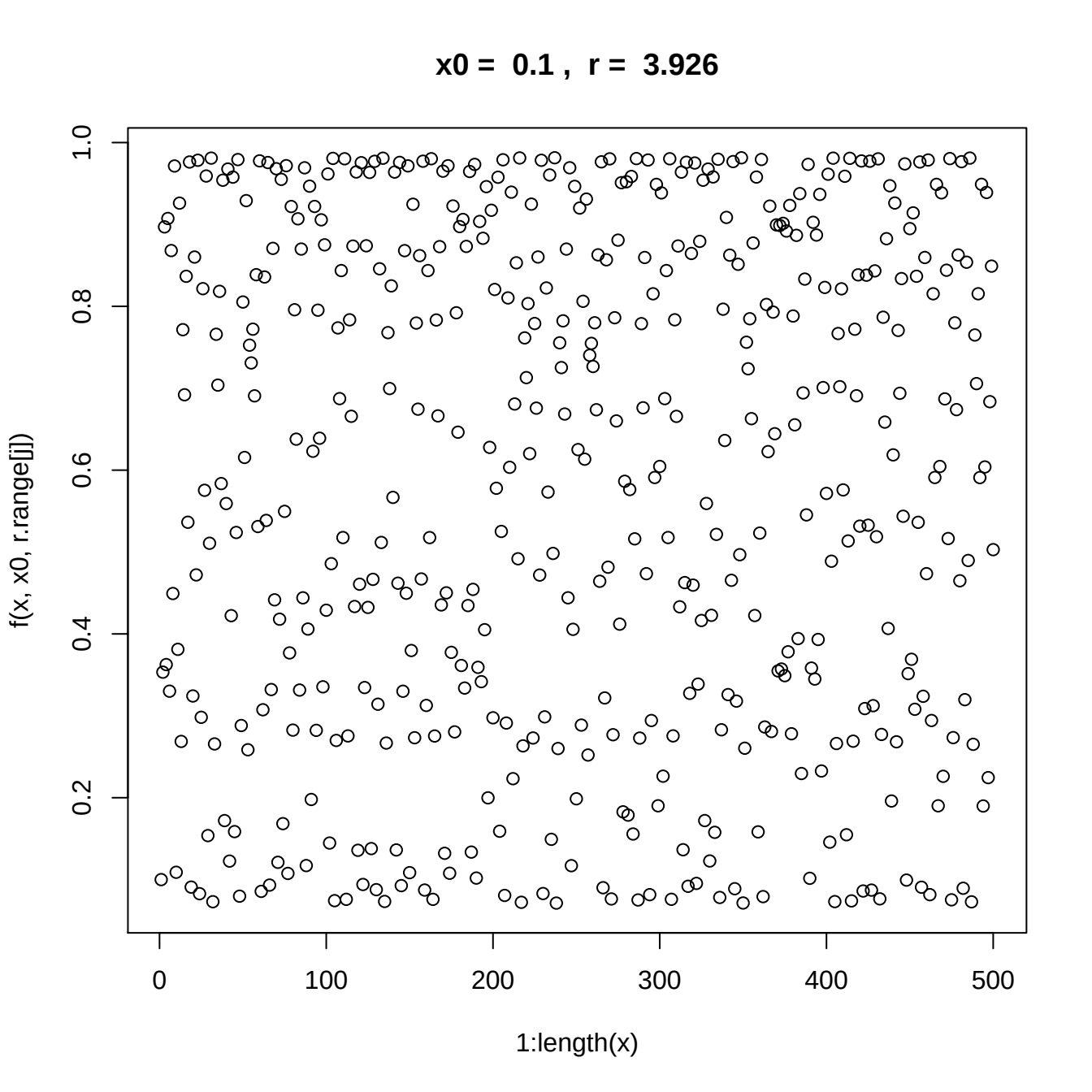

x0 = 0.1 , r = 3.916
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

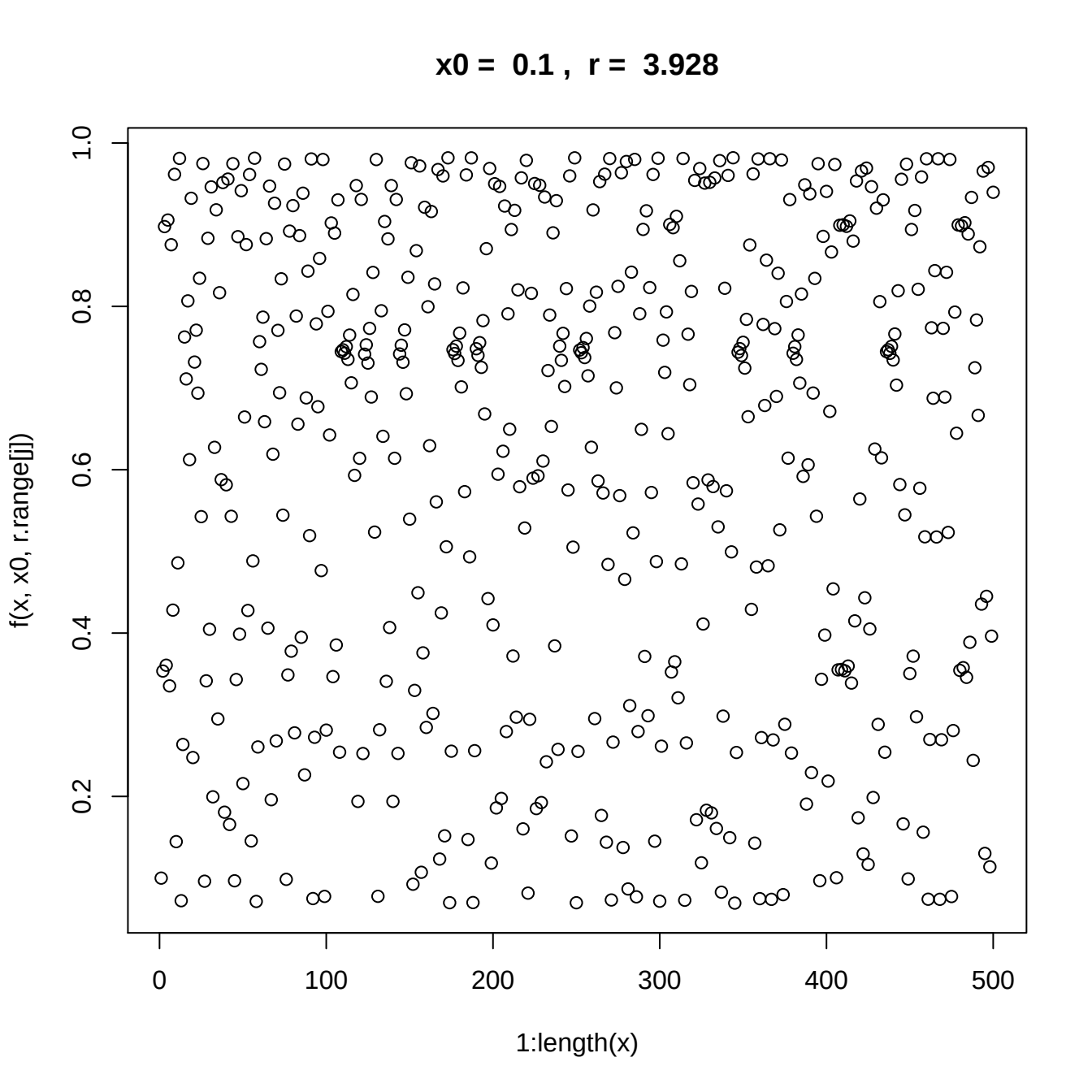

x0 = 0.1 , r = 3.918
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

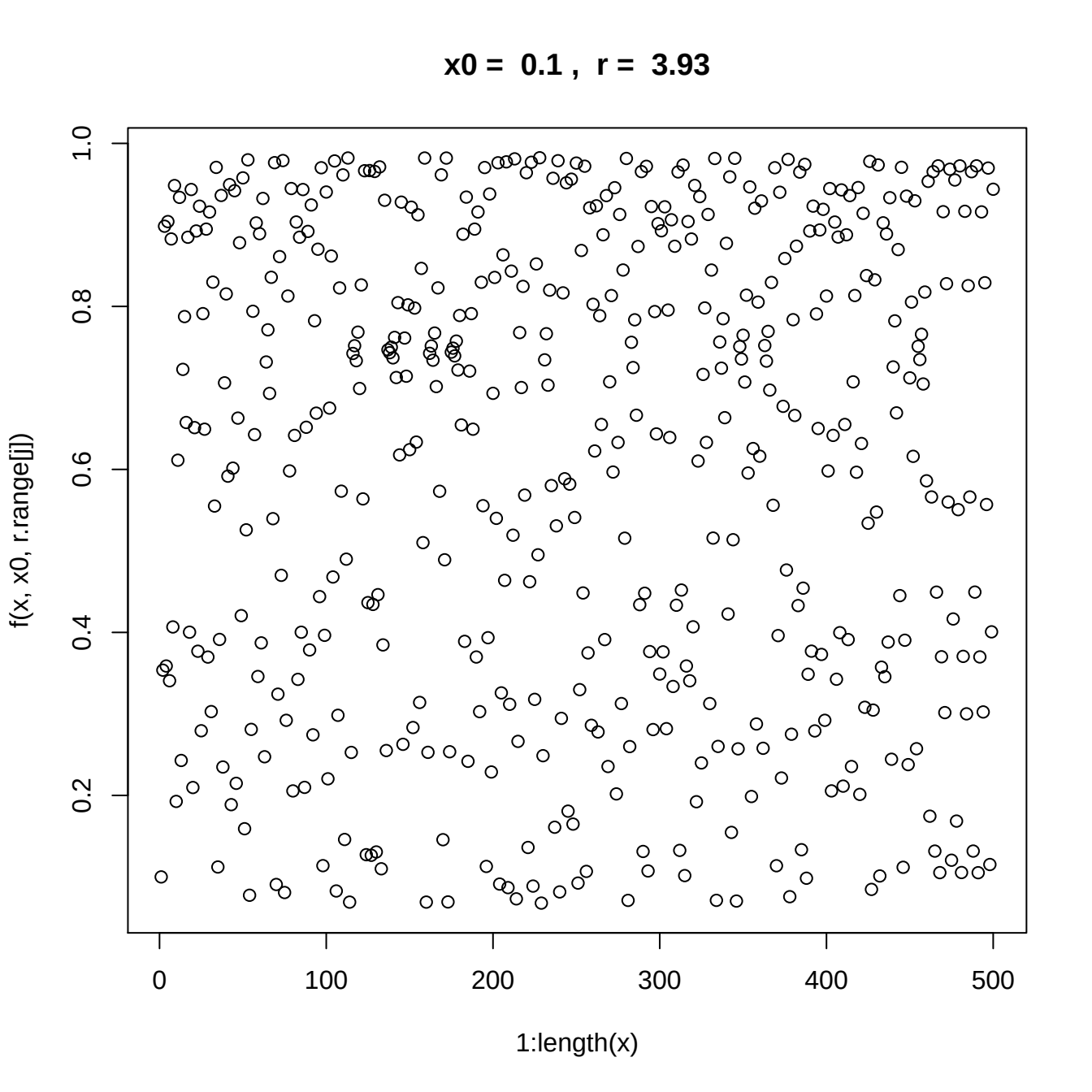

x0 = 0.1 , r = 3.92
f(x, x0, r.range[j])
1:length(x)
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

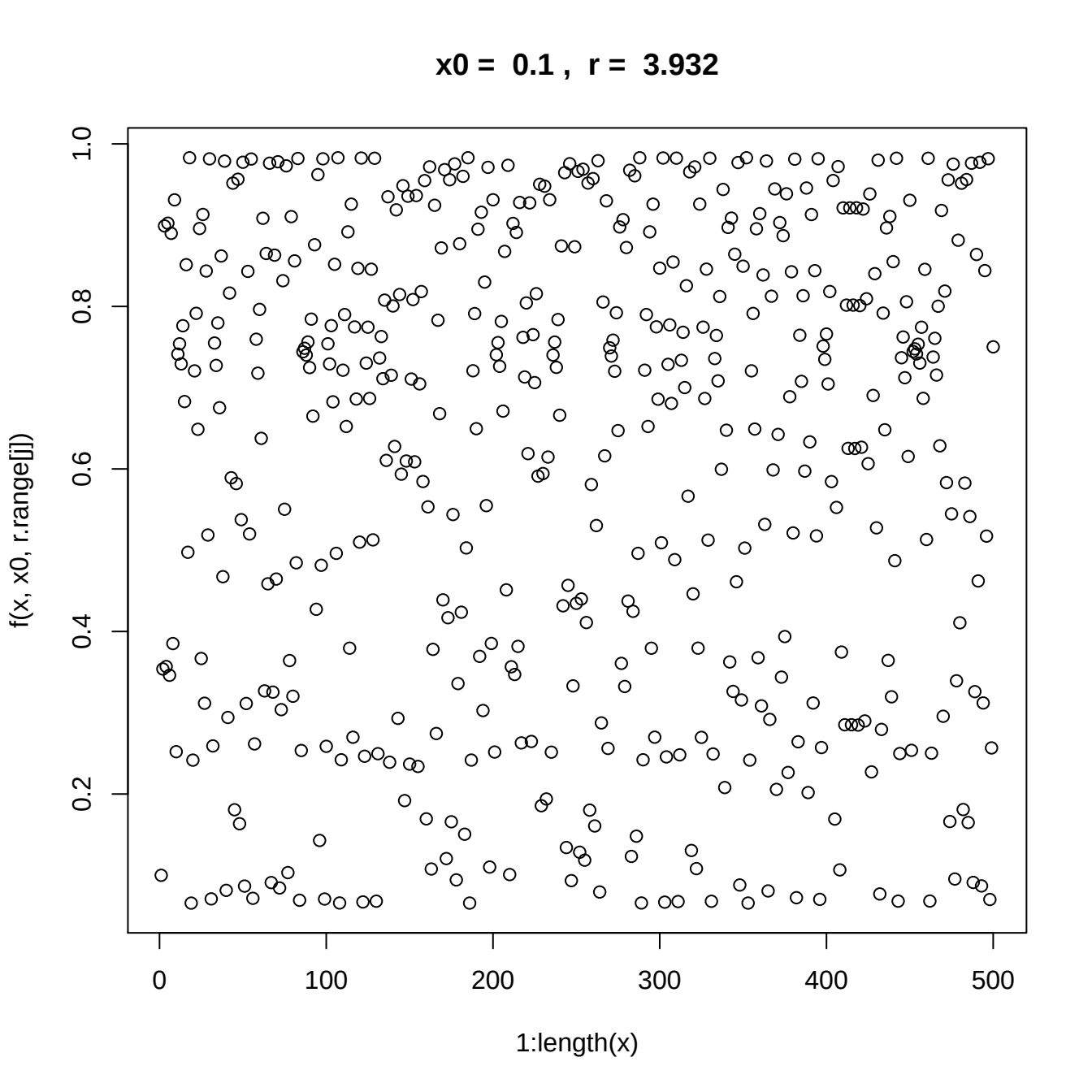

x0 = 0.1 , r = 3.922
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

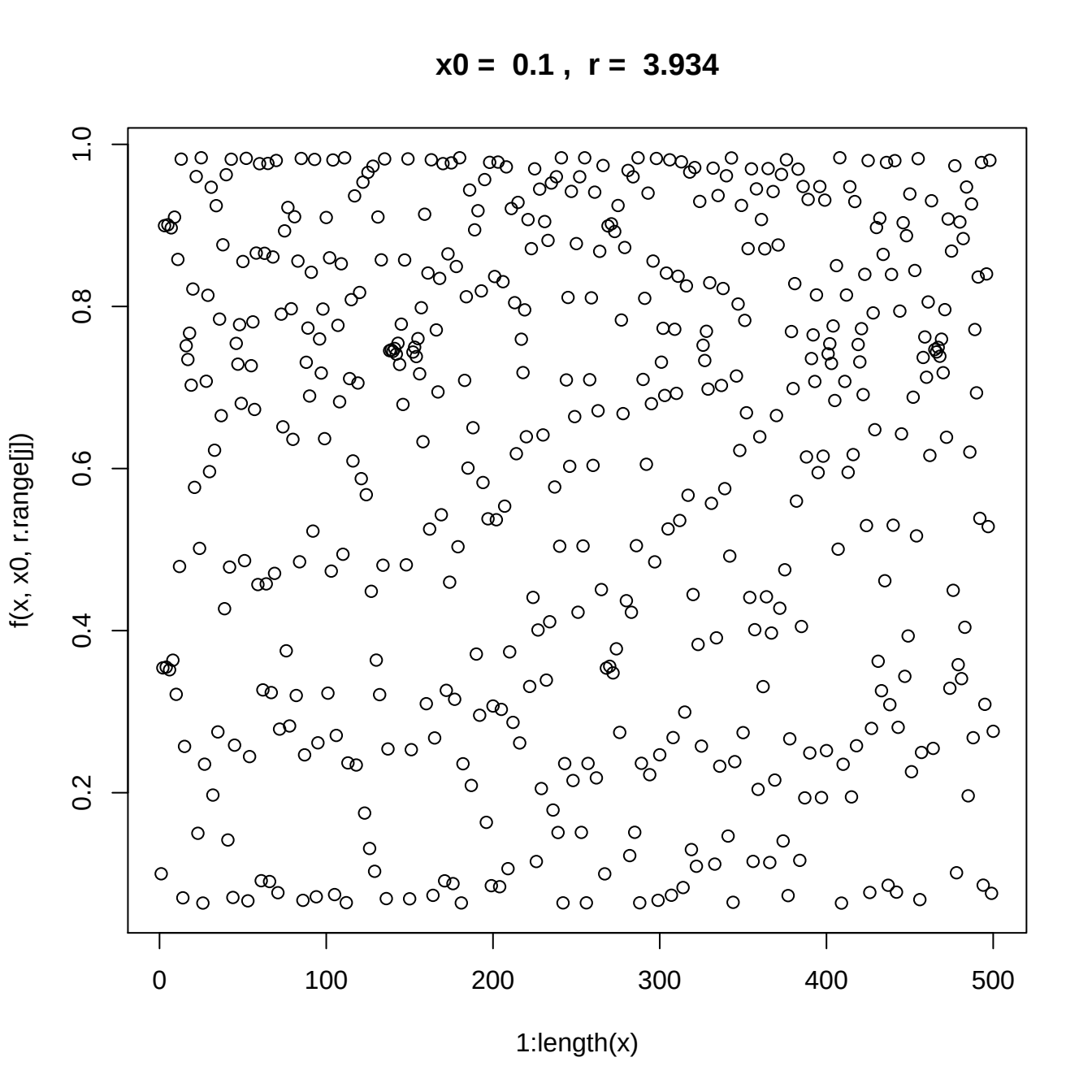

x0 = 0.1 , r = 3.924
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

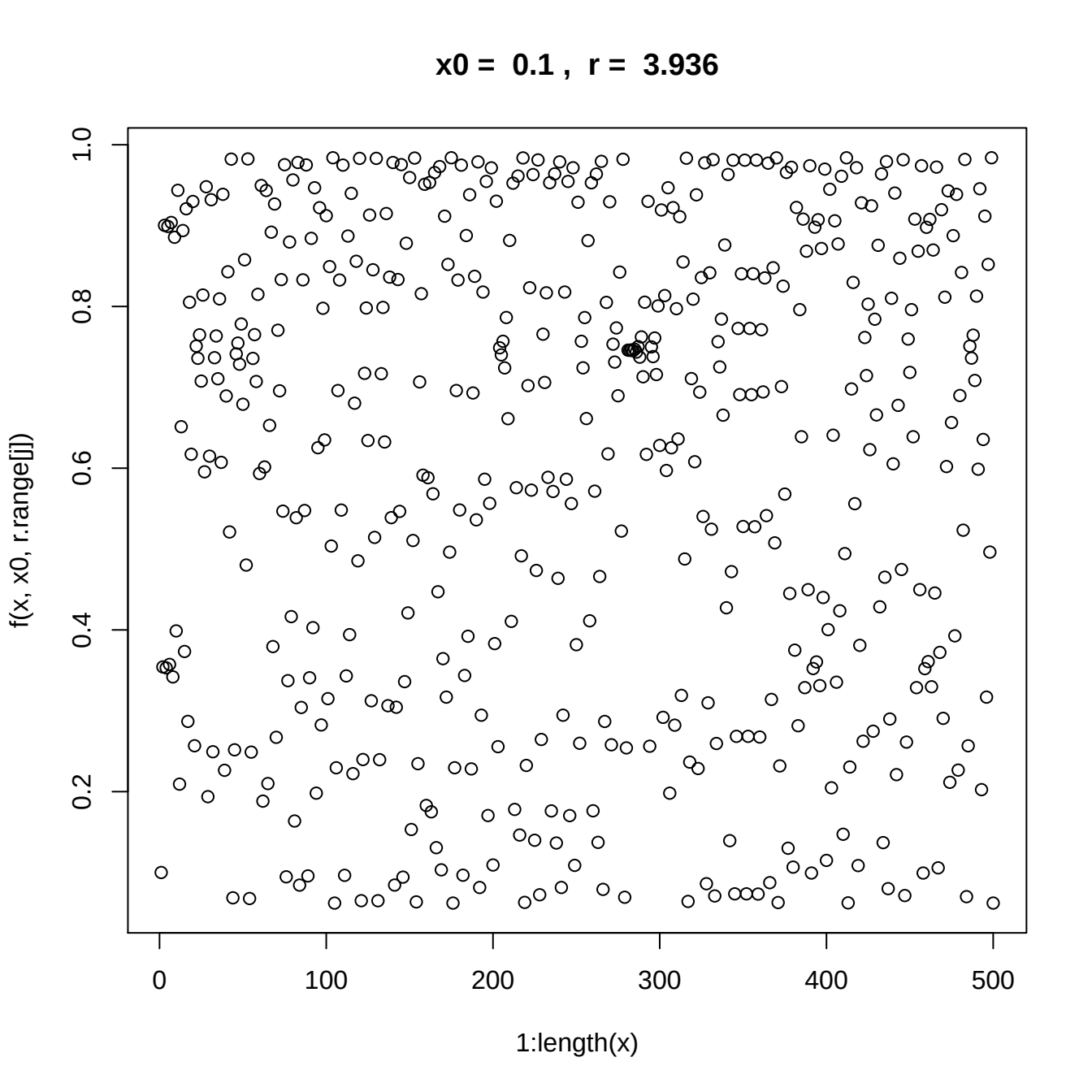

x0 = 0.1 , r = 3.926
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

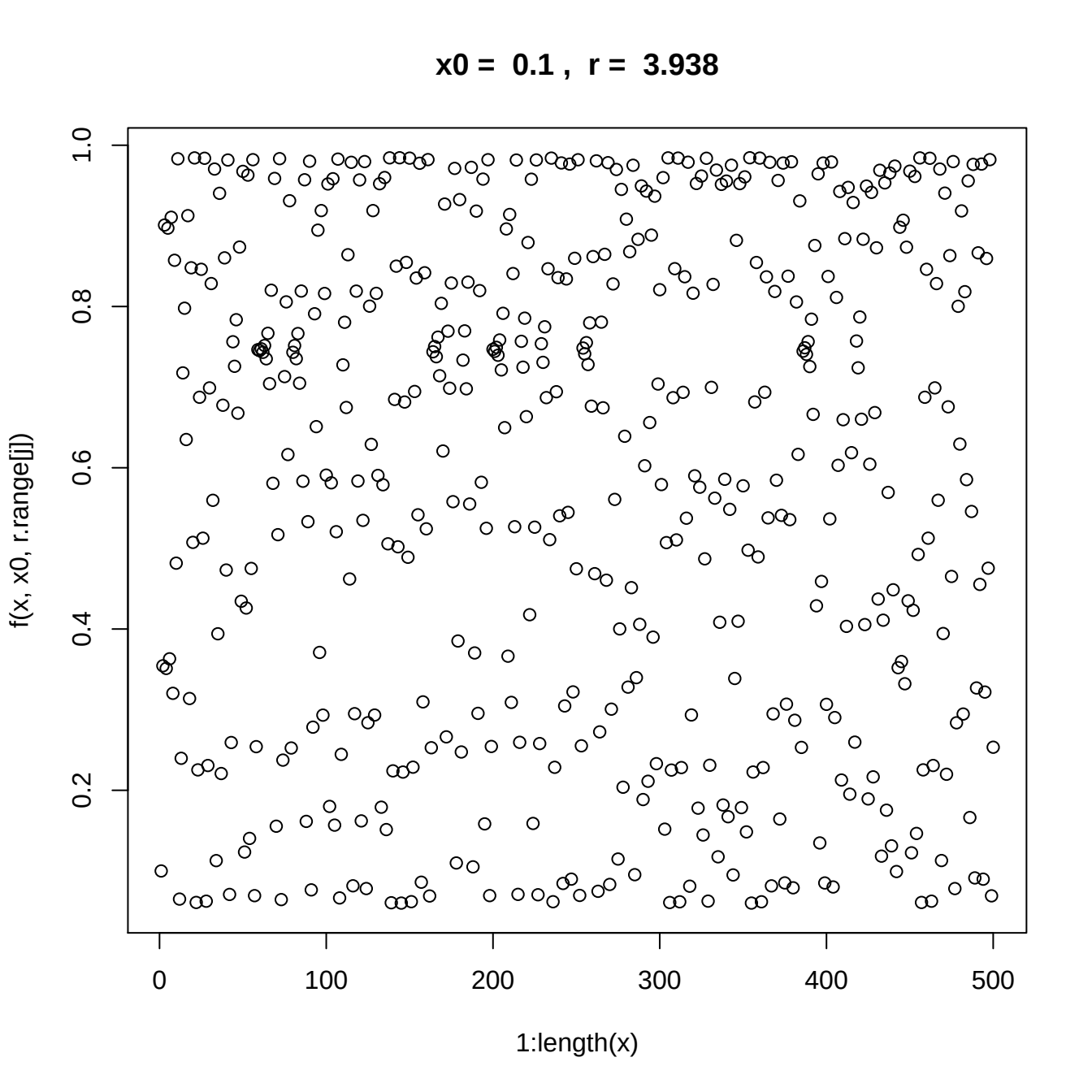

x0 = 0.1 , r = 3.928
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

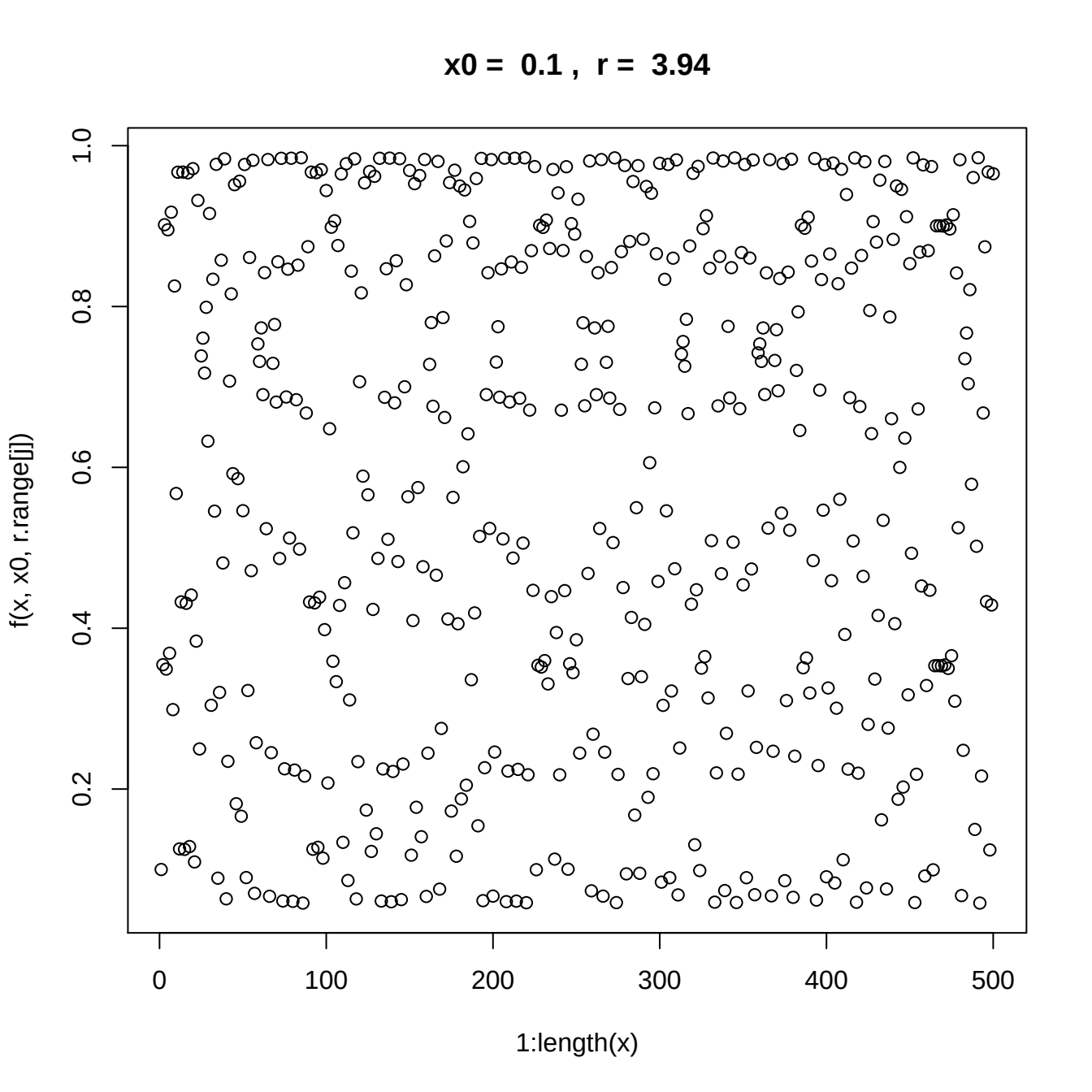

x0 = 0.1 , r = 3.93
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

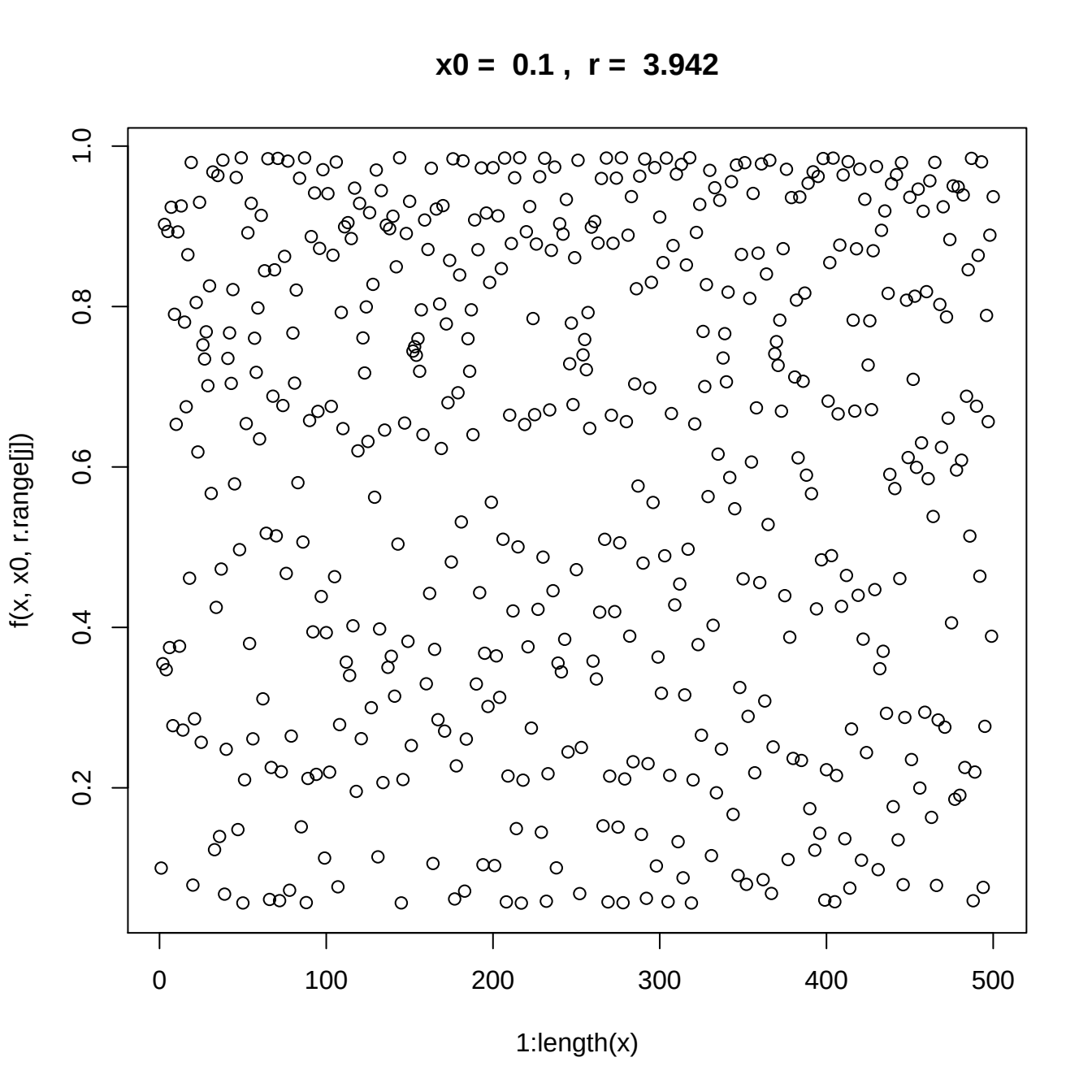

x0 = 0.1 , r = 3.932
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

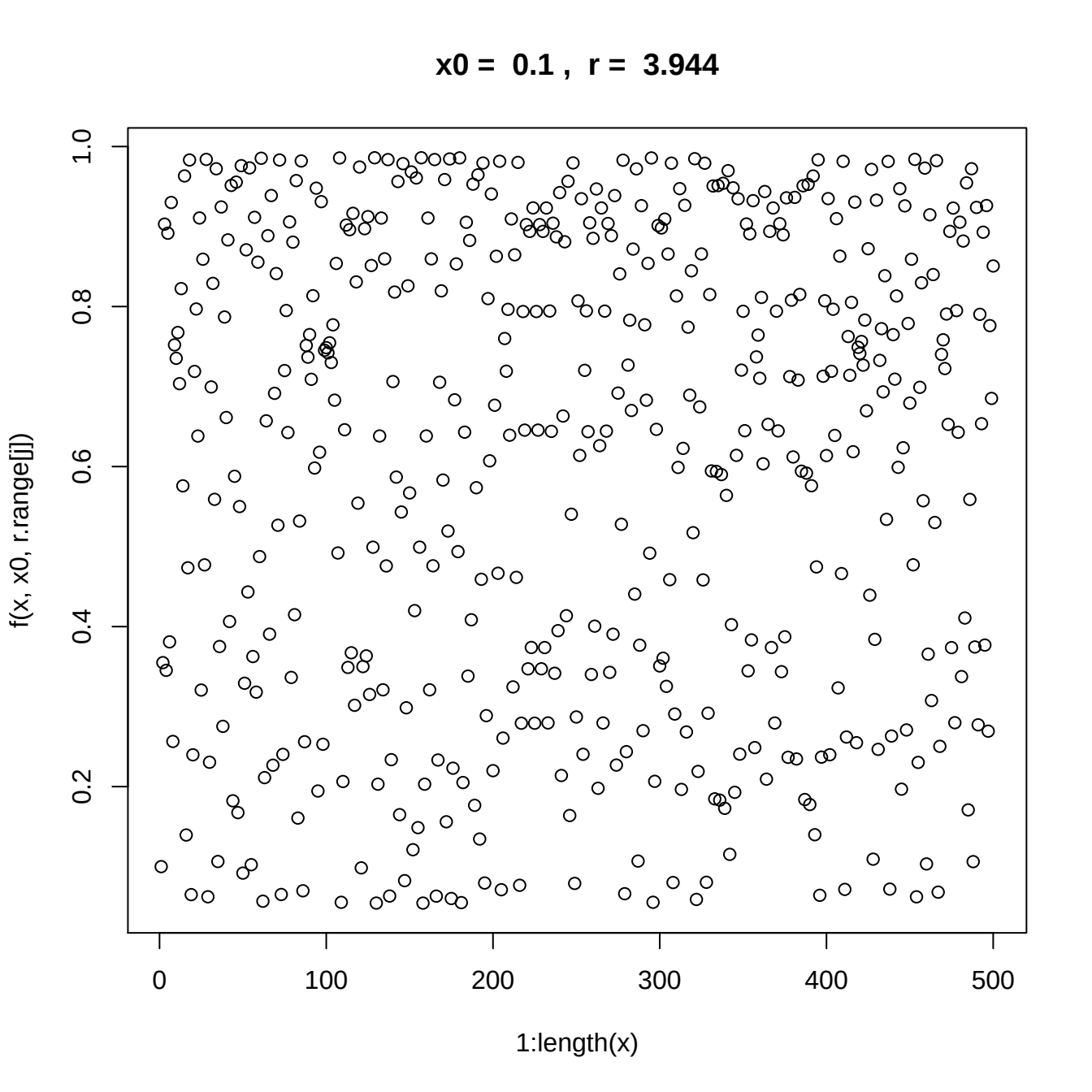

x0 = 0.1 , r = 3.934
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

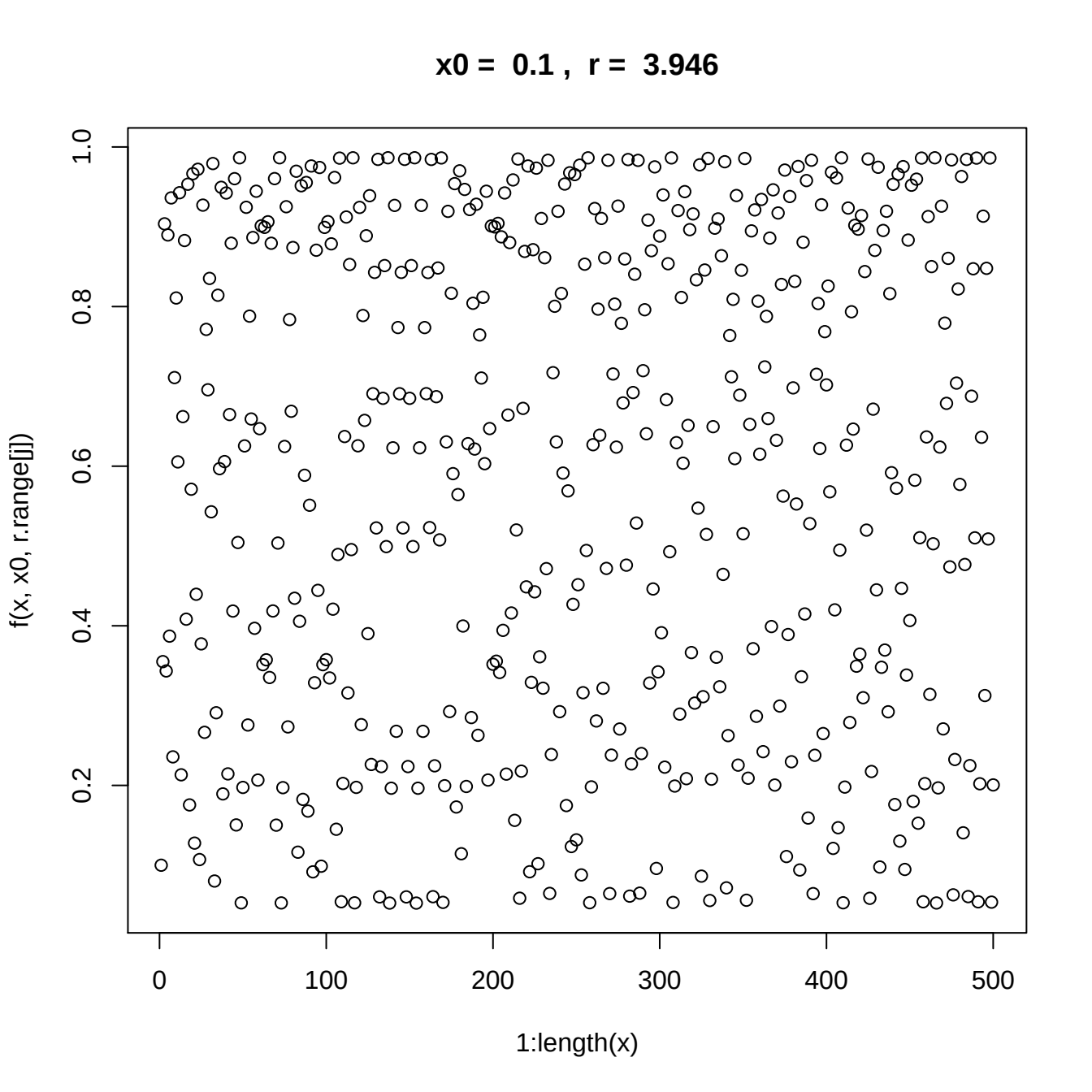

x0 = 0.1 , r = 3.936
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

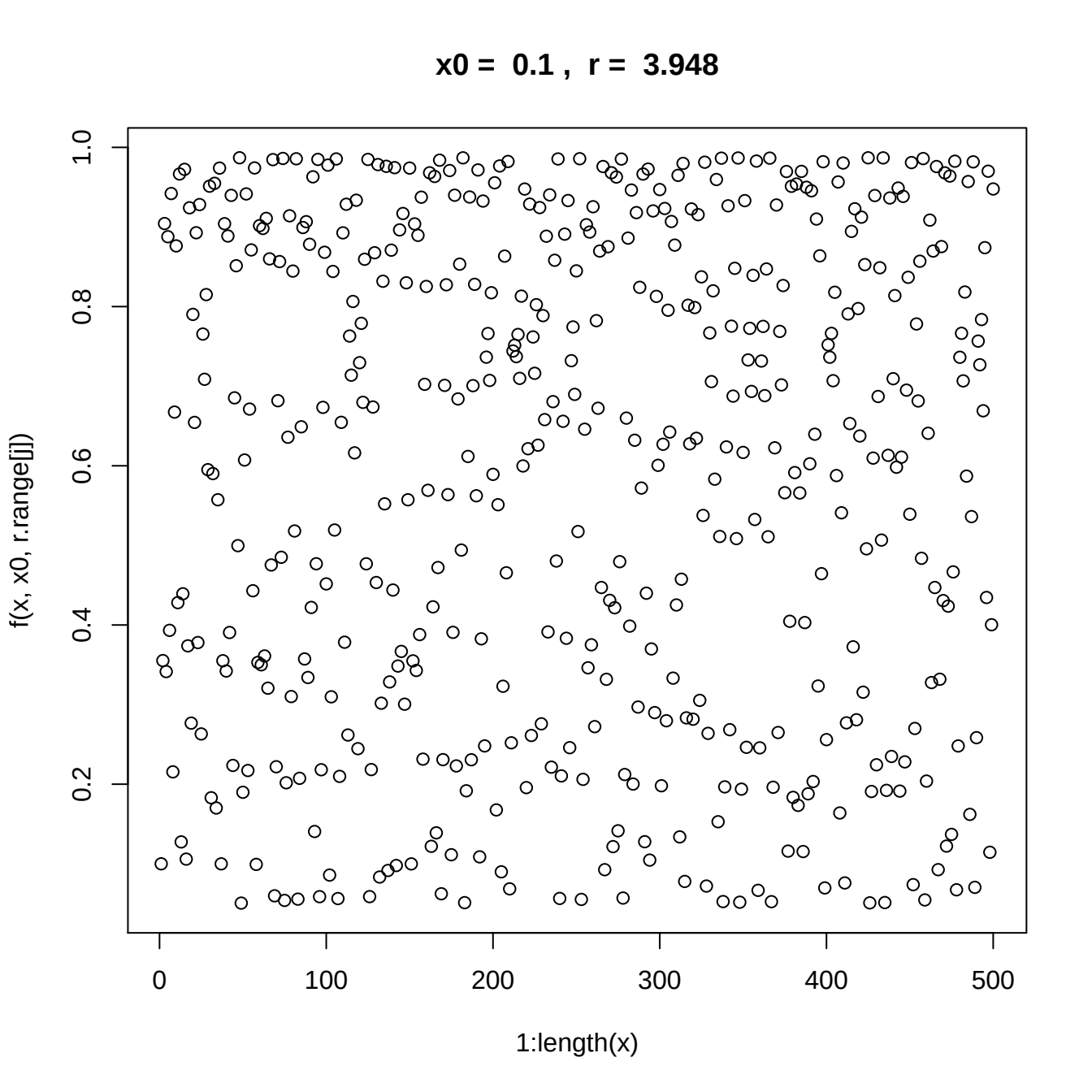

x0 = 0.1 , r = 3.938
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

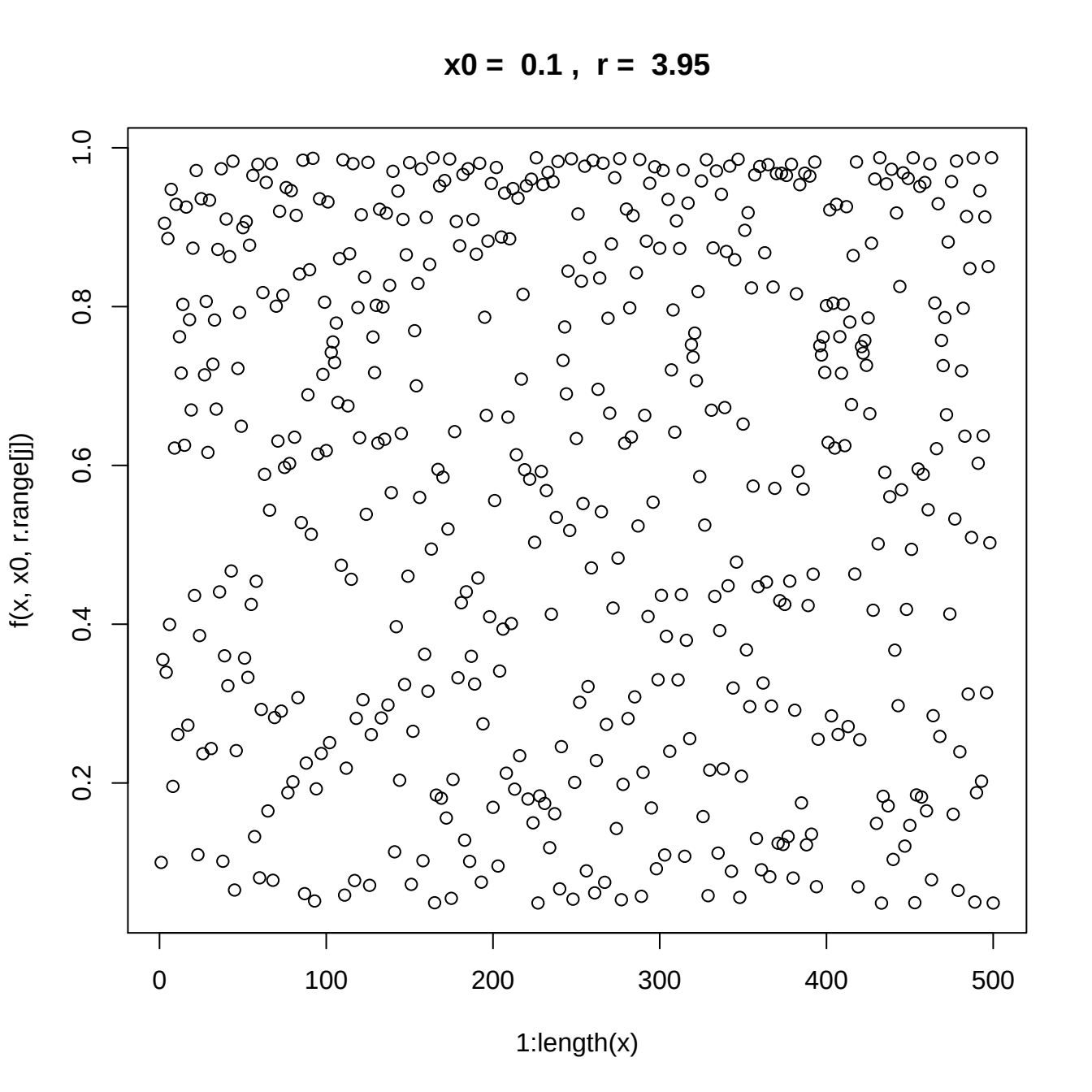

x0 = 0.1 , r = 3.94
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

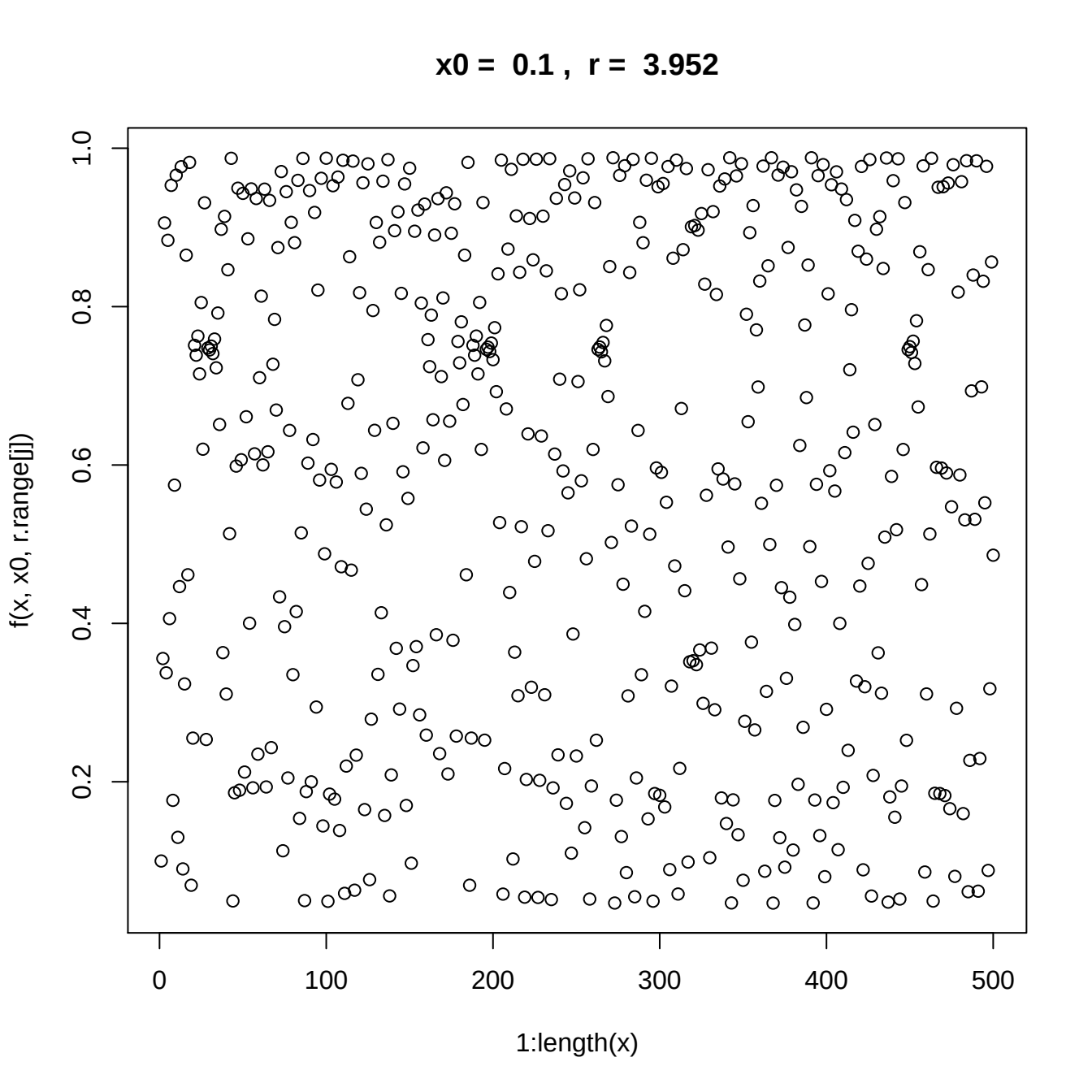

x0 = 0.1 , r = 3.942
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

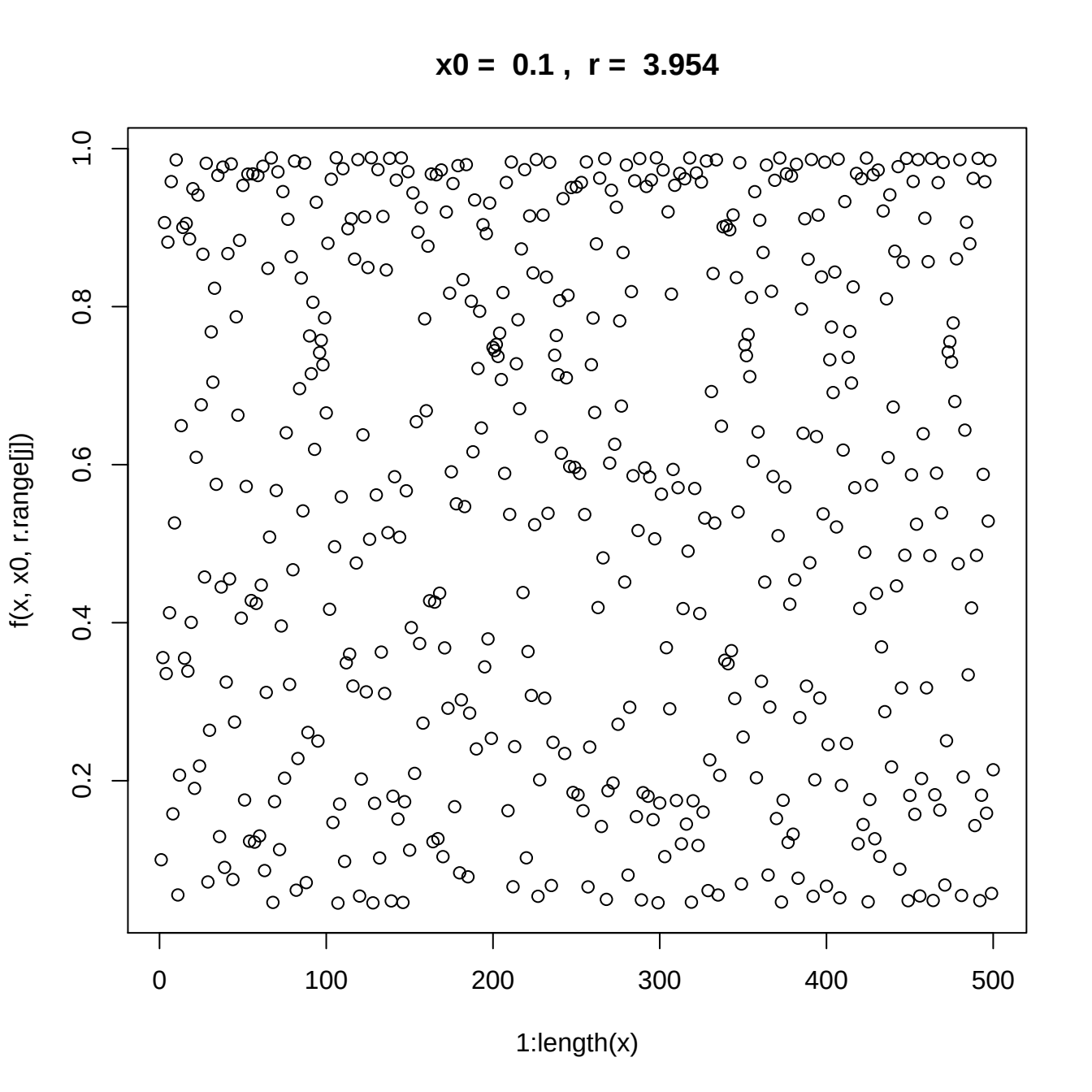

x0 = 0.1 , r = 3.944
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

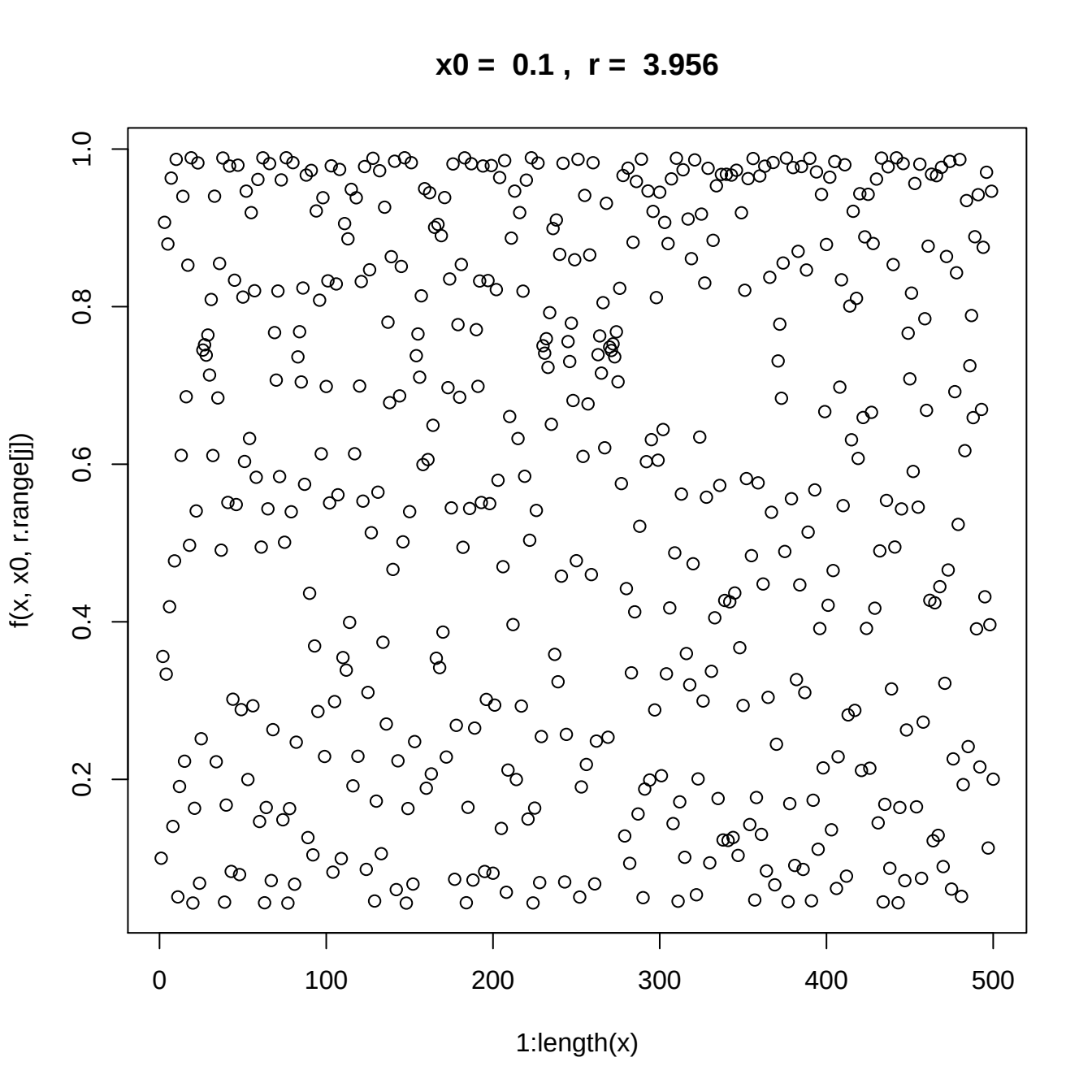

x0 = 0.1 , r = 3.946
f(x, x0, r.range[j])
1:length(x)
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

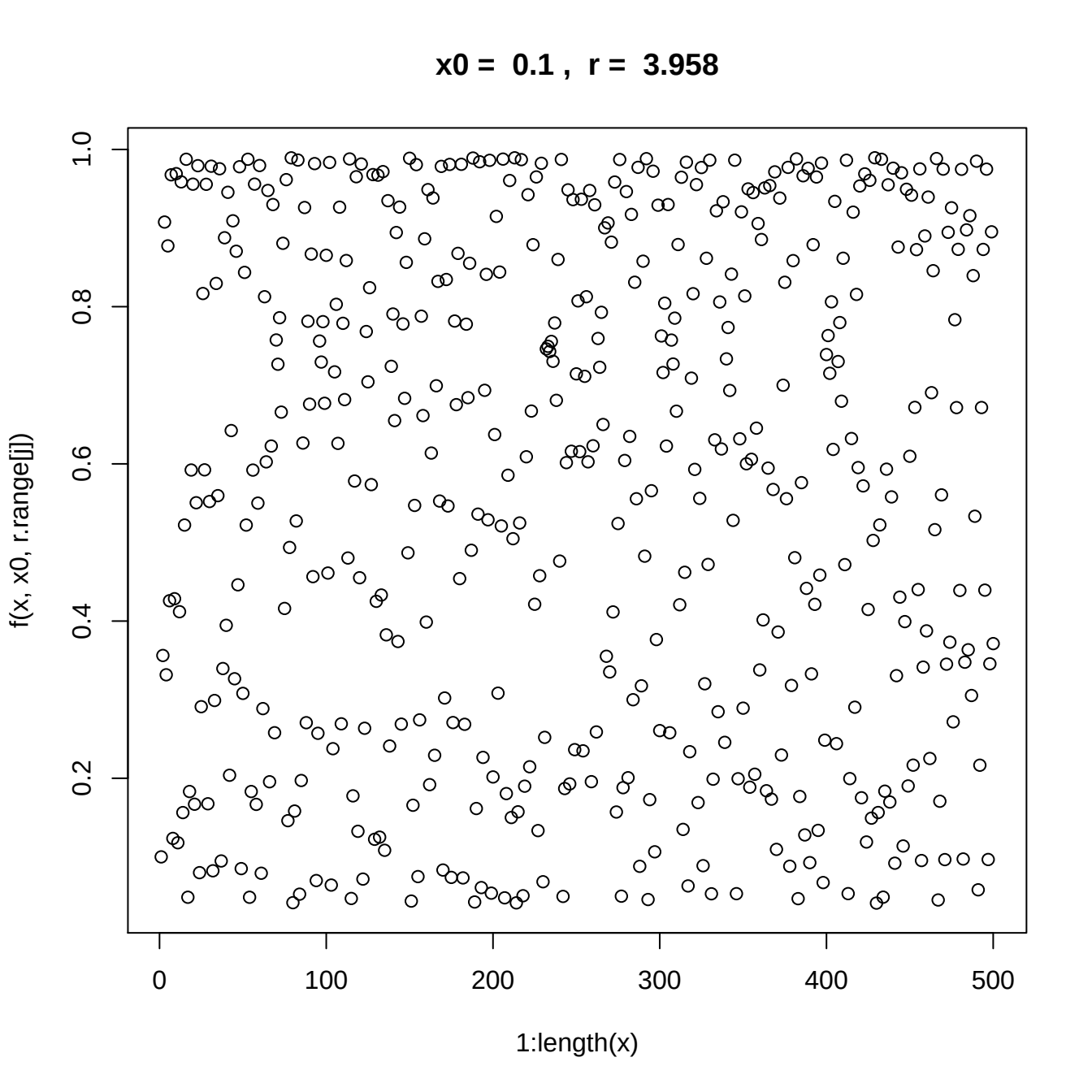

x0 = 0.1 , r = 3.948
f(x, x0, r.range[j])
1:length(x)
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

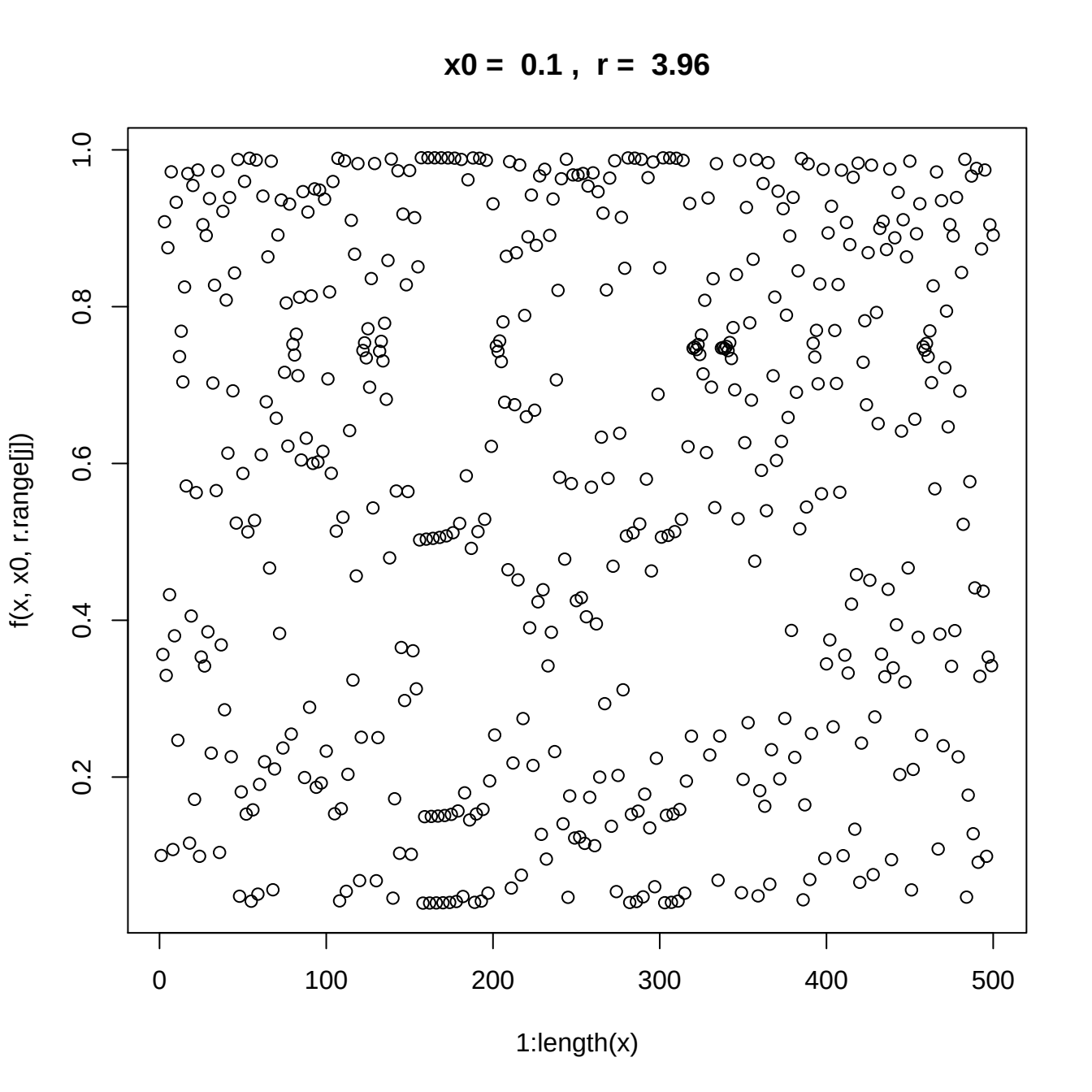

x0 = 0.1 , r = 3.95
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

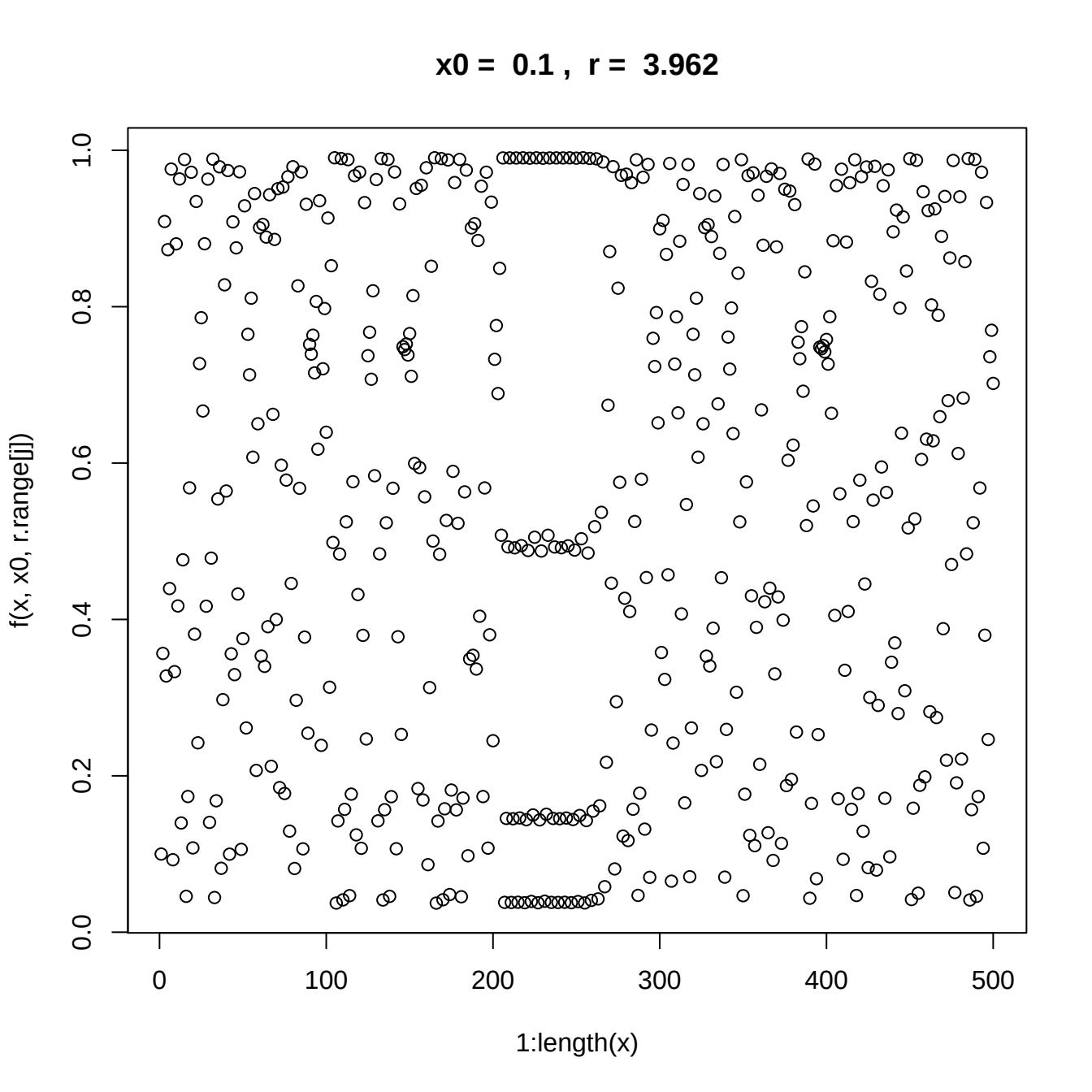

x0 = 0.1 , r = 3.952
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

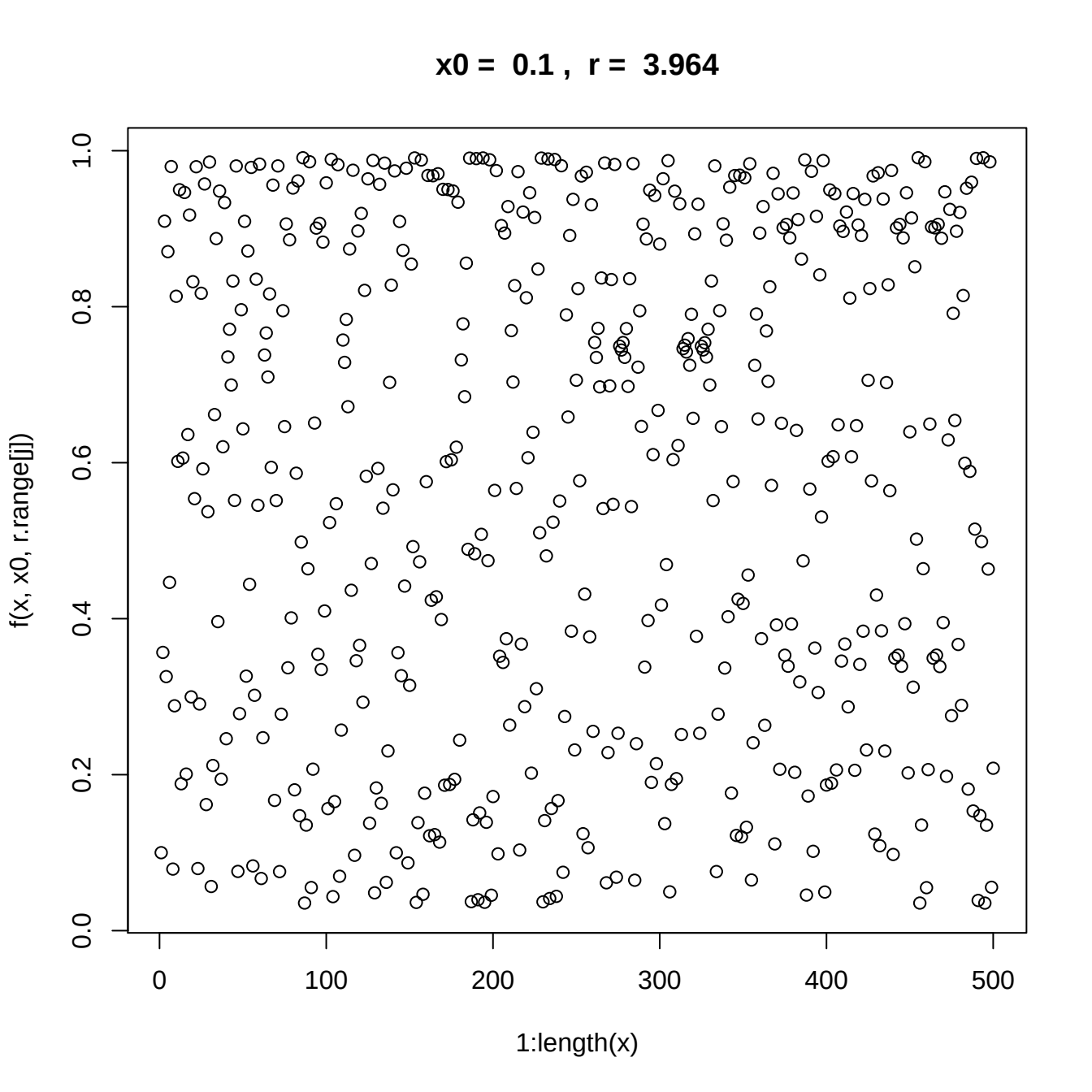

x0 = 0.1 , r = 3.954
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

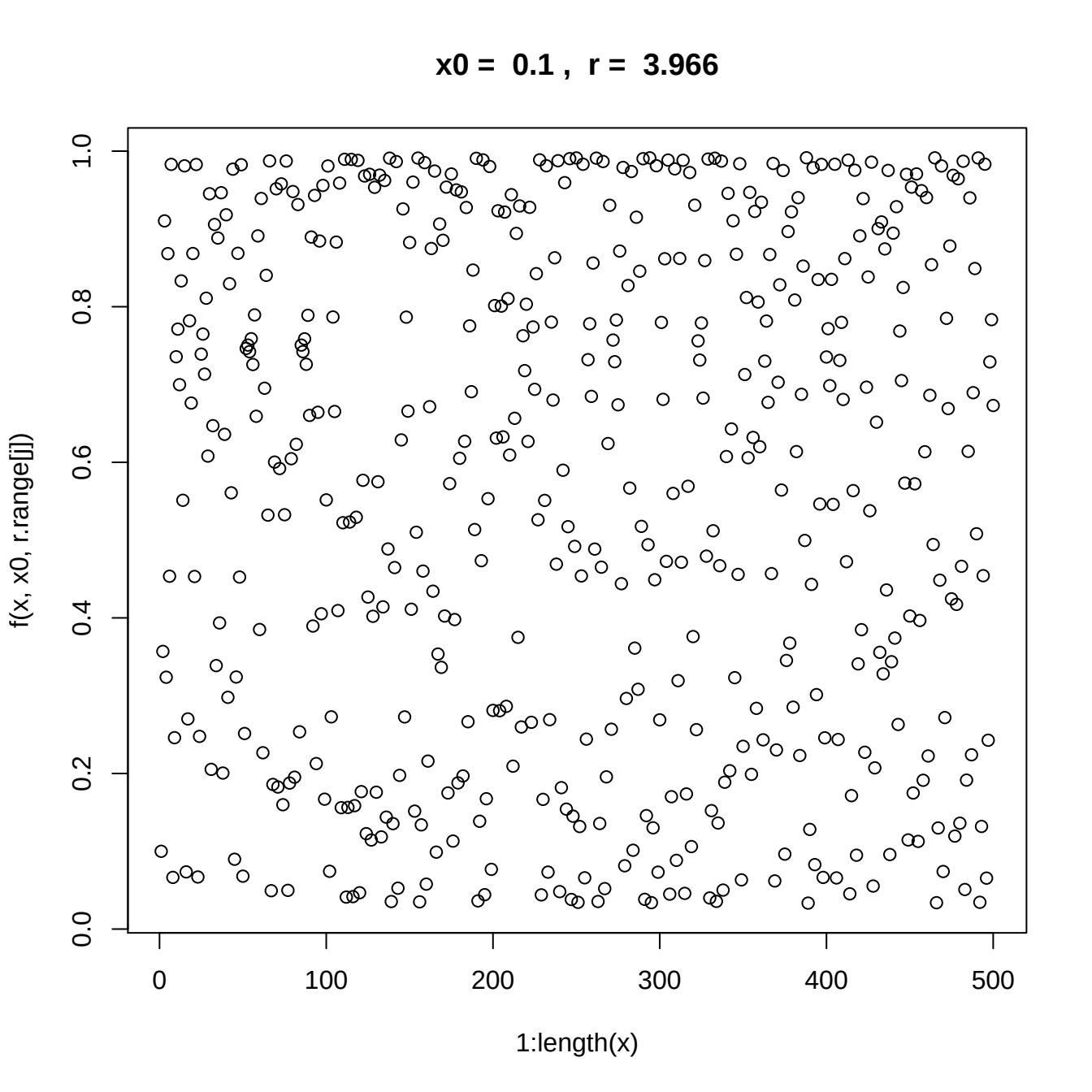

x0 = 0.1 , r = 3.956
f(x, x0, r.range[j])
1:length(x)
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

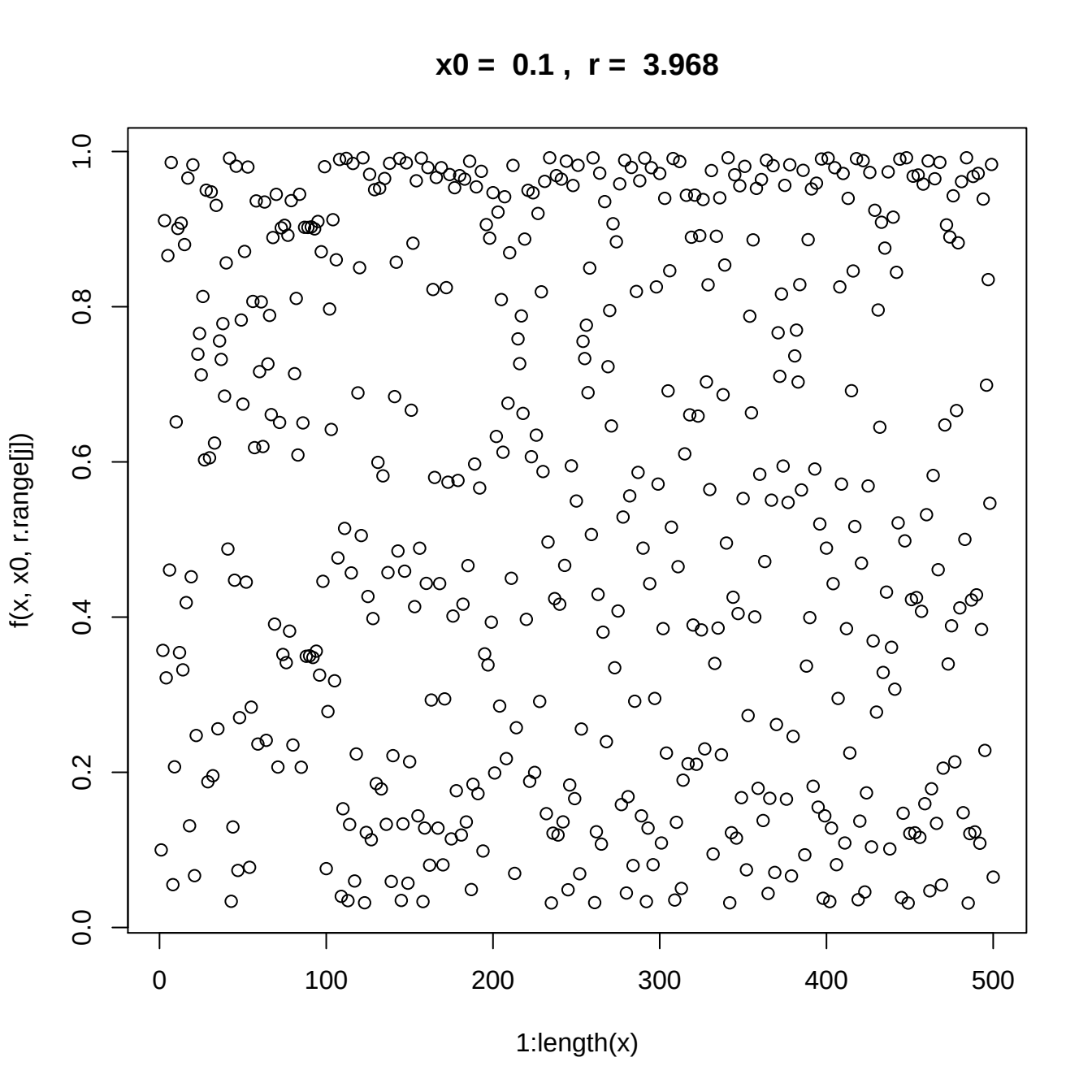

x0 = 0.1 , r = 3.958
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

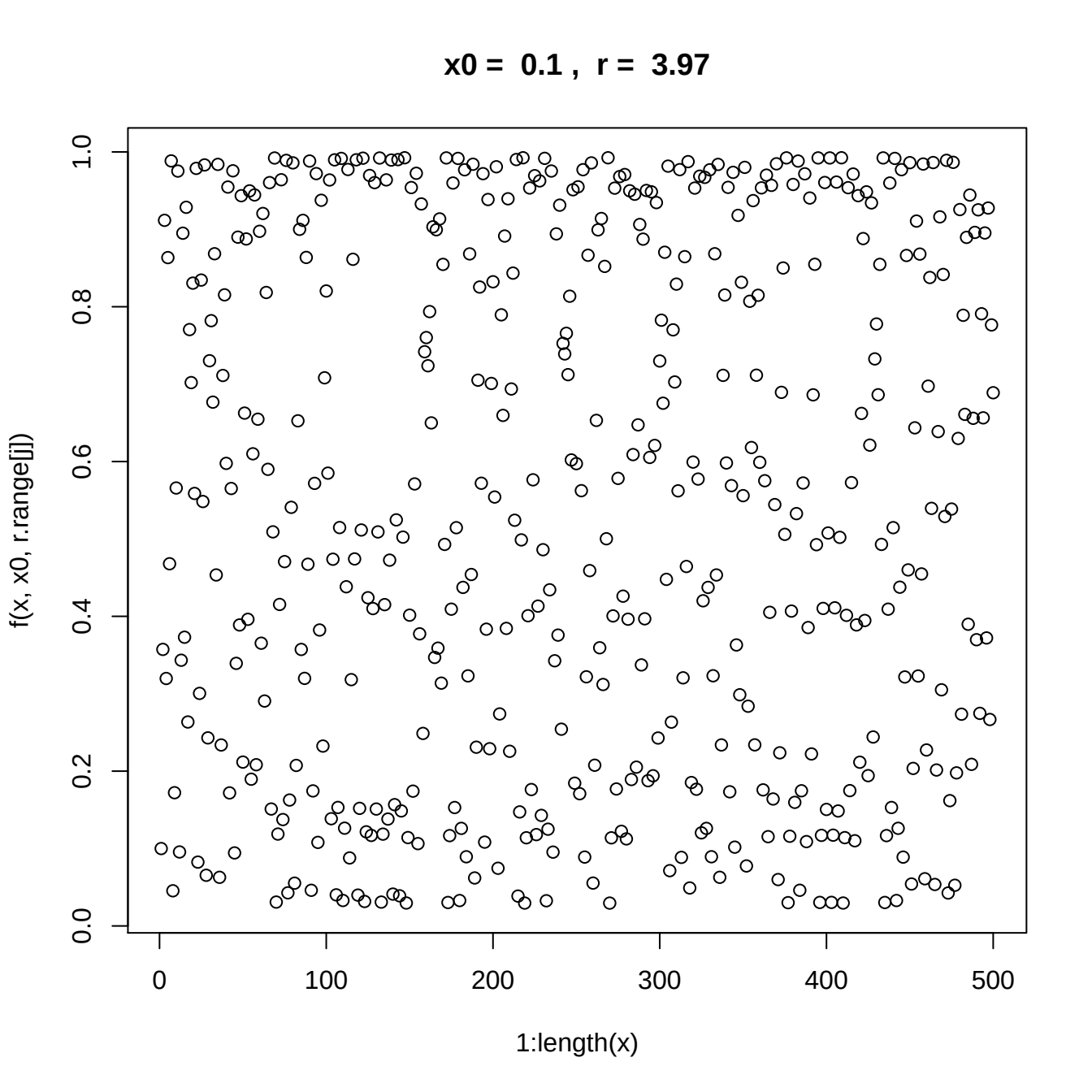

x0 = 0.1 , r = 3.96
f(x, x0, r.range[j])
1.0
0.8
0.6
0.4
0.2
0
100
200
300
400
500
1:length(x)

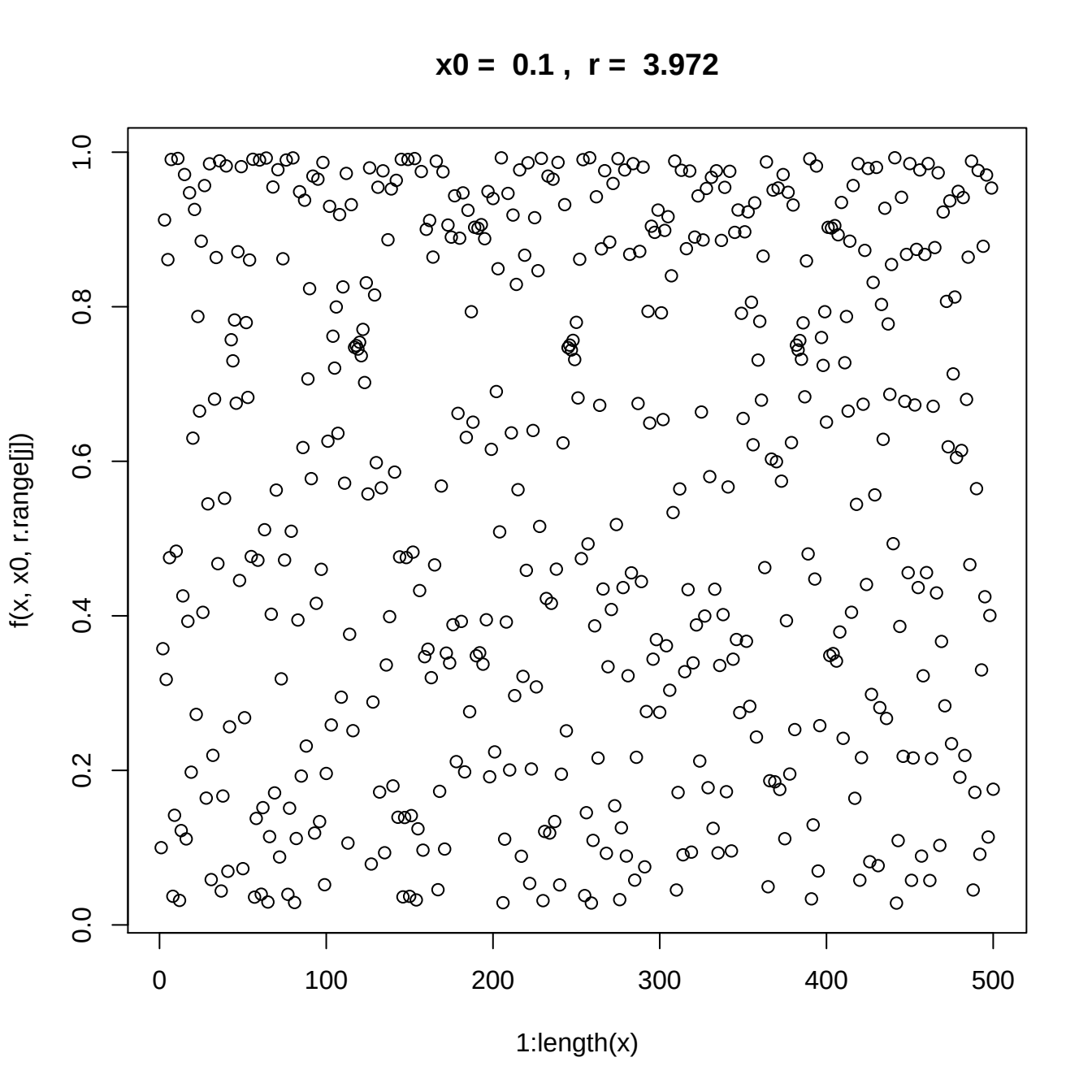

x0 = 0.1 , r = 3.962
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

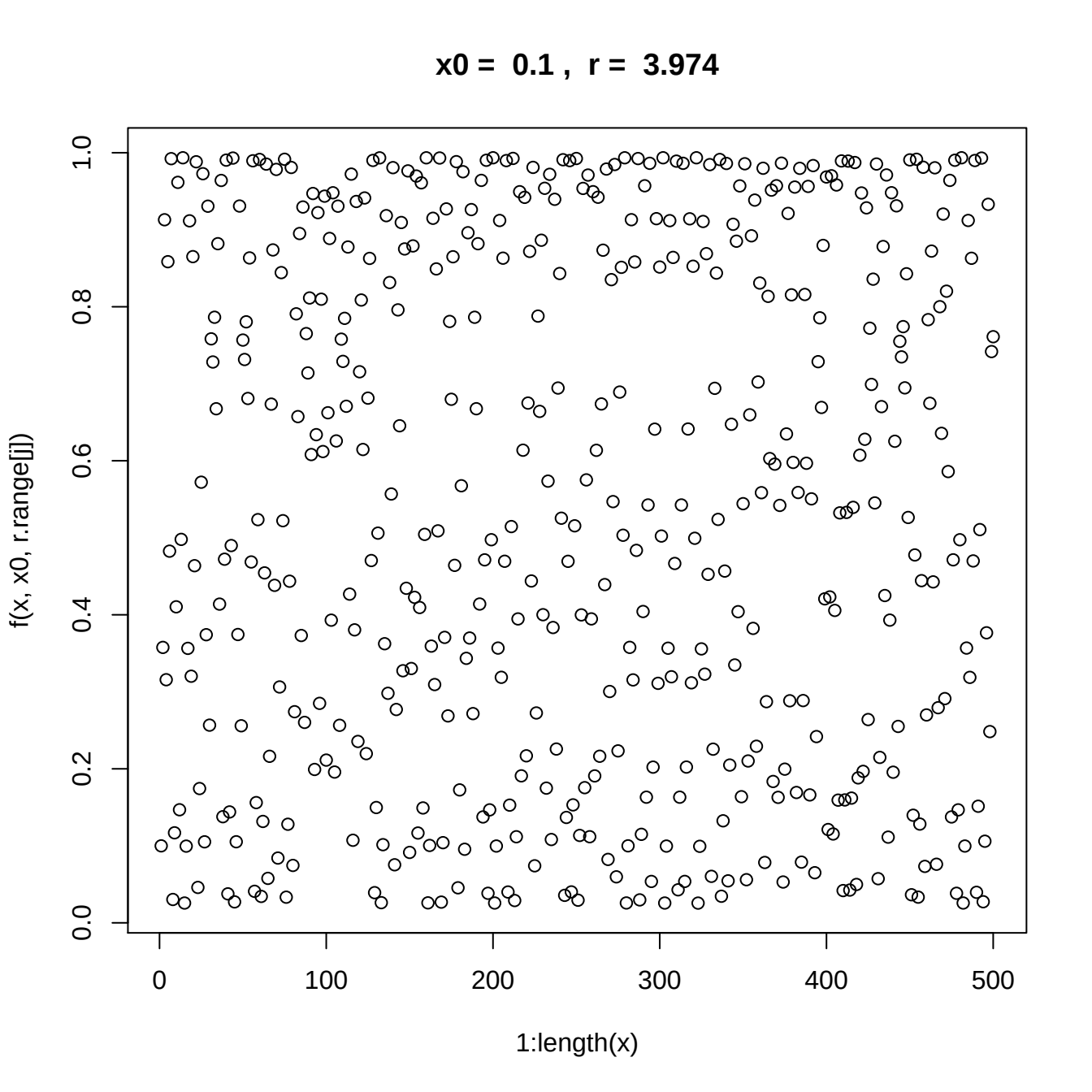

x0 = 0.1 , r = 3.964
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

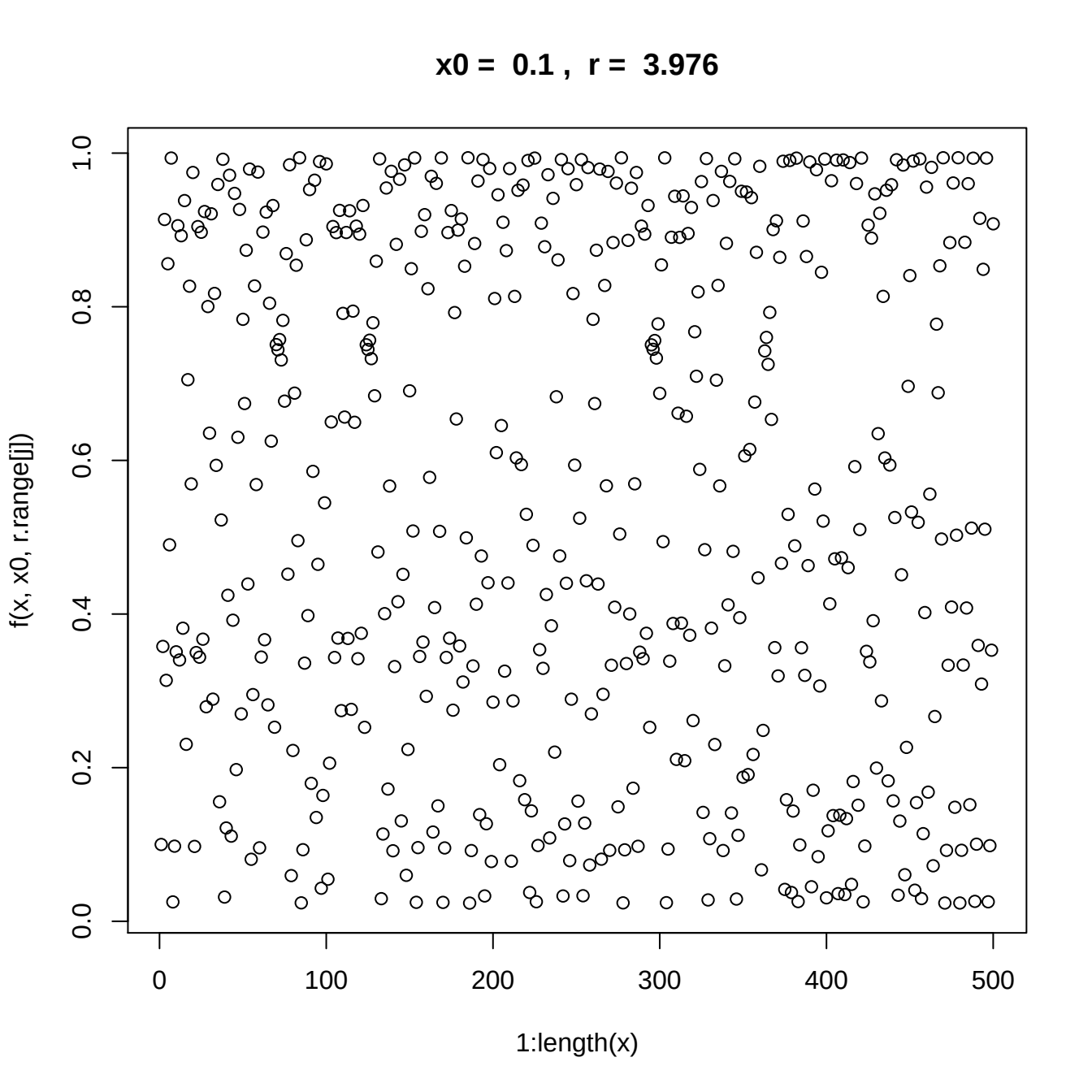

x0 = 0.1 , r = 3.966
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

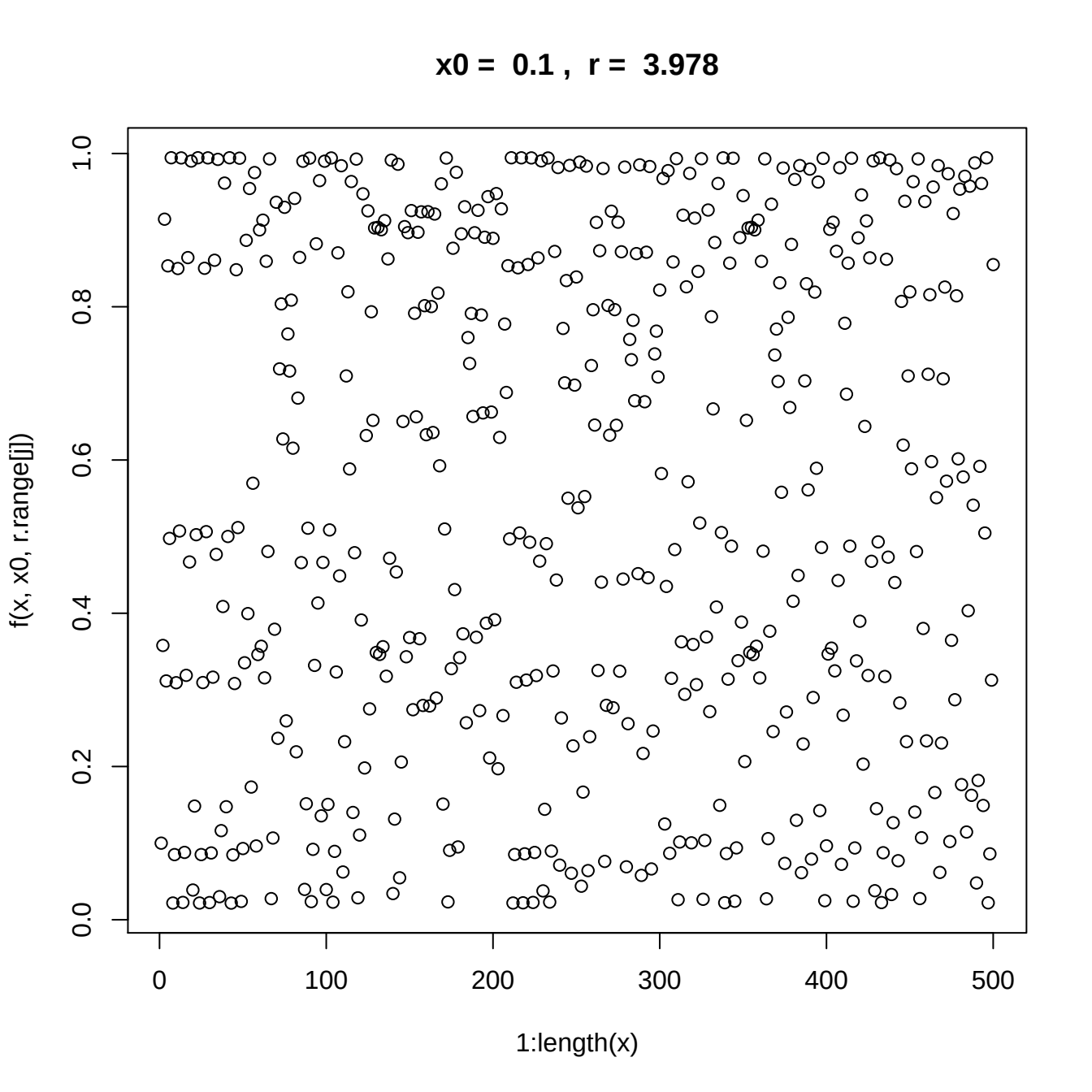

x0 = 0.1 , r = 3.968
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

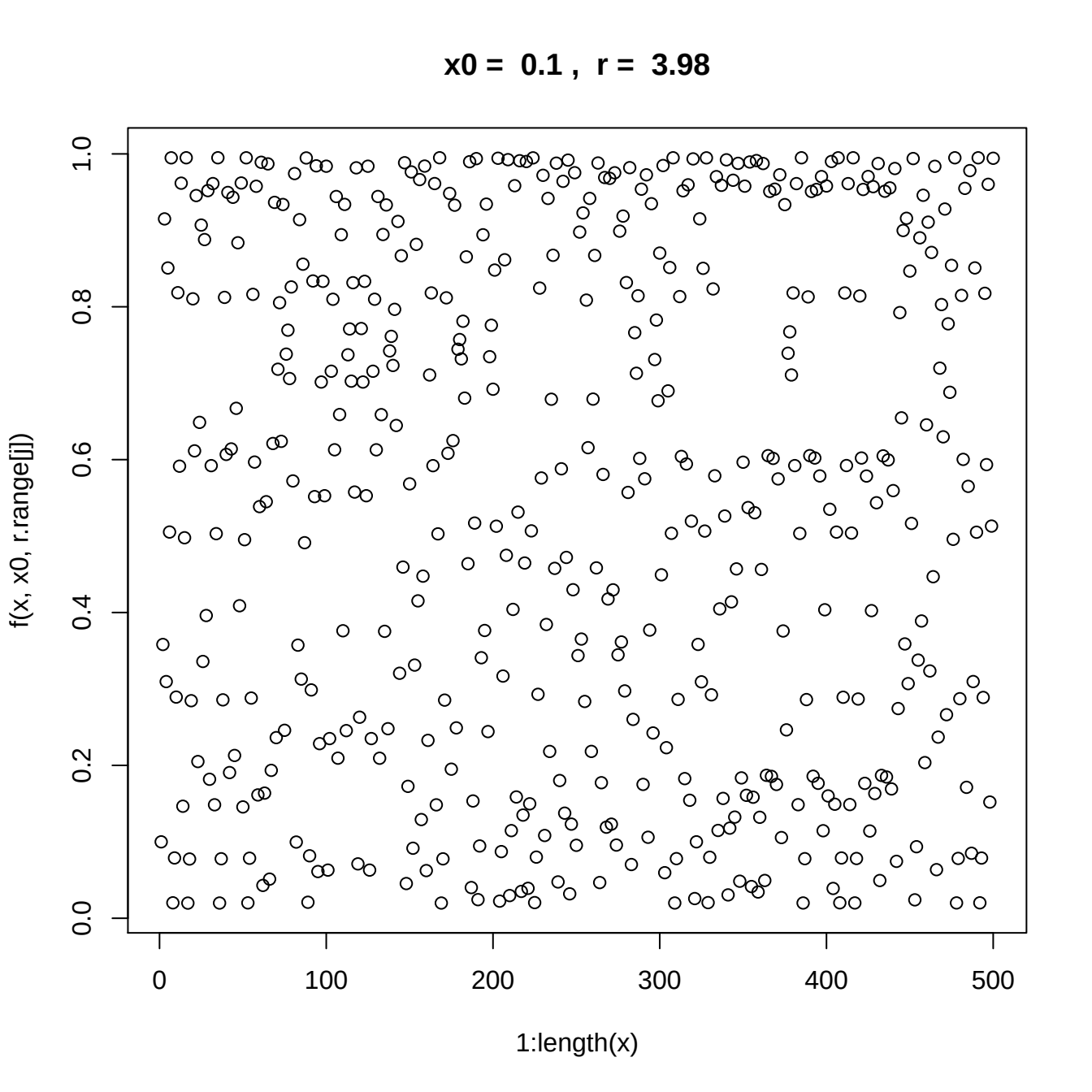

x0 = 0.1 , r = 3.97
f(x, x0, r.range[j])
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500
1:length(x)

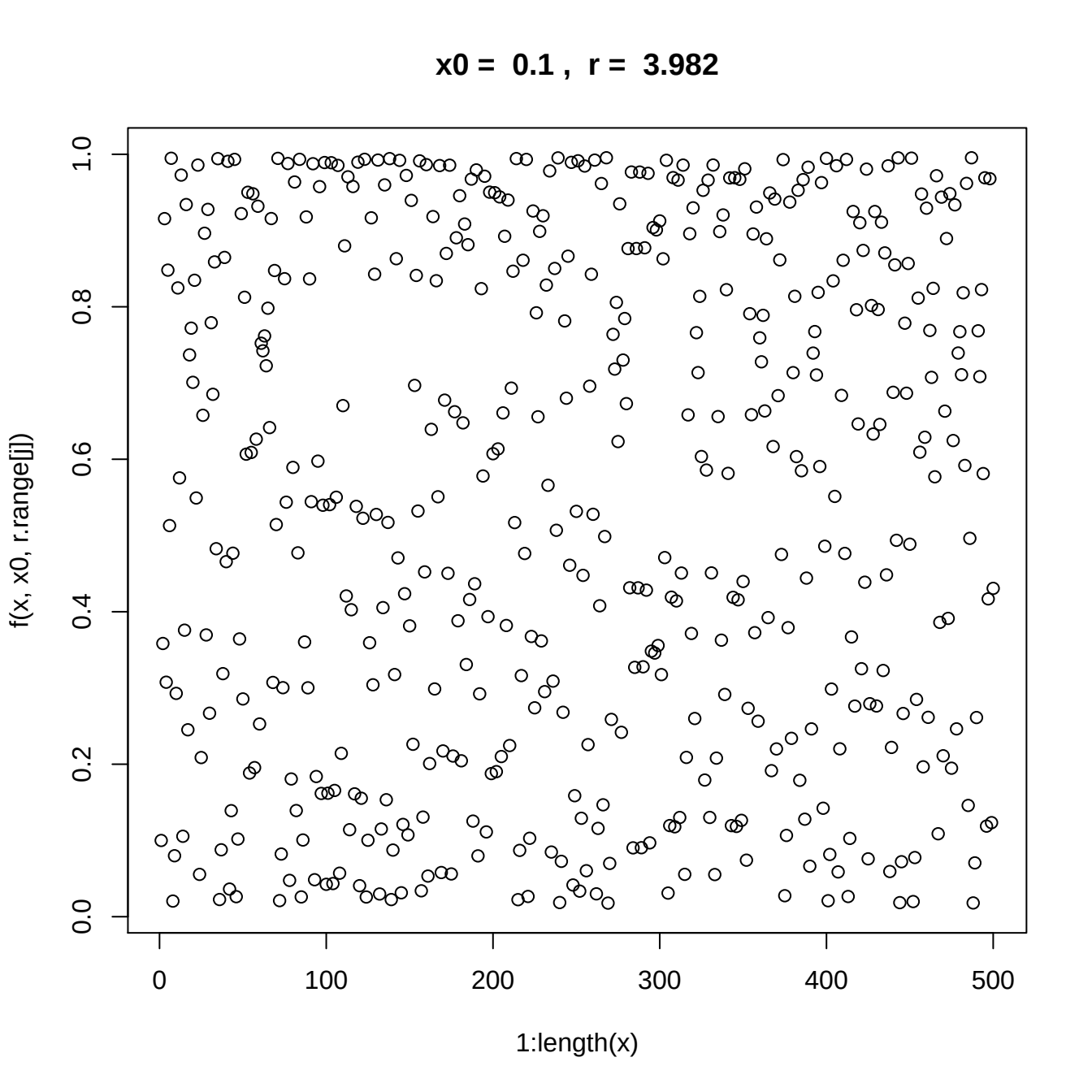

x0 = 0.1 , r = 3.972
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

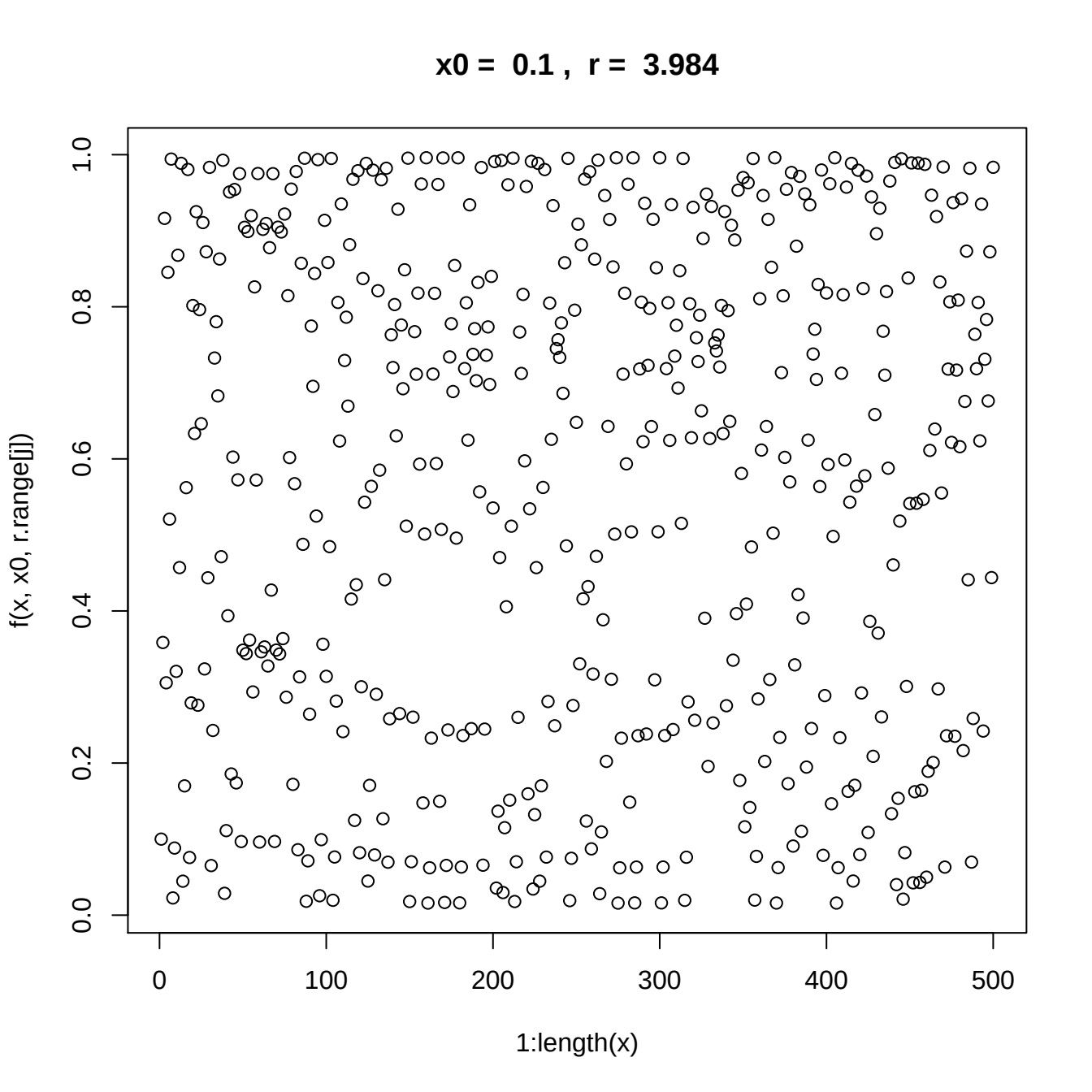

x0 = 0.1 , r = 3.974
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

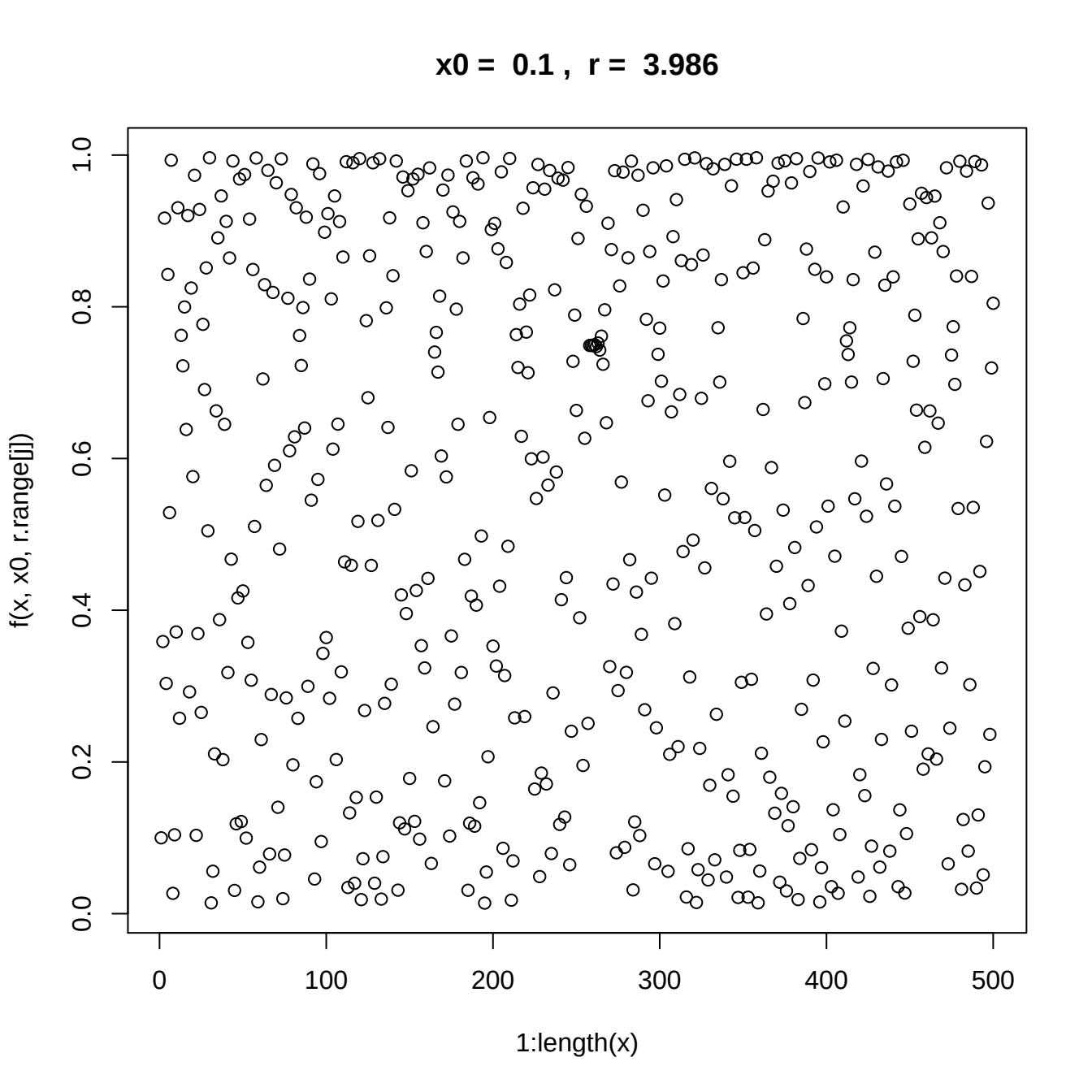

x0 = 0.1 , r = 3.976
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

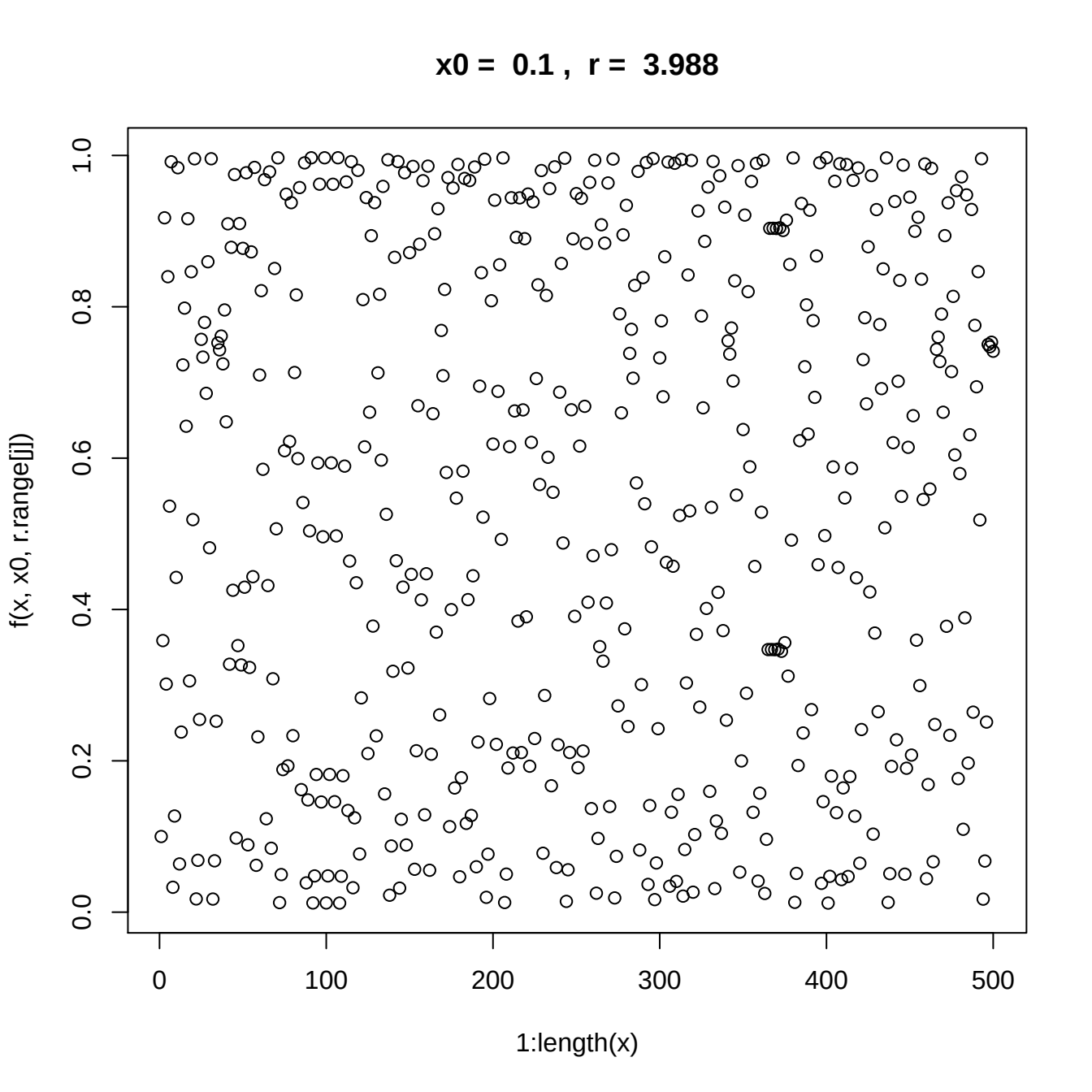

x0 = 0.1 , r = 3.978
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

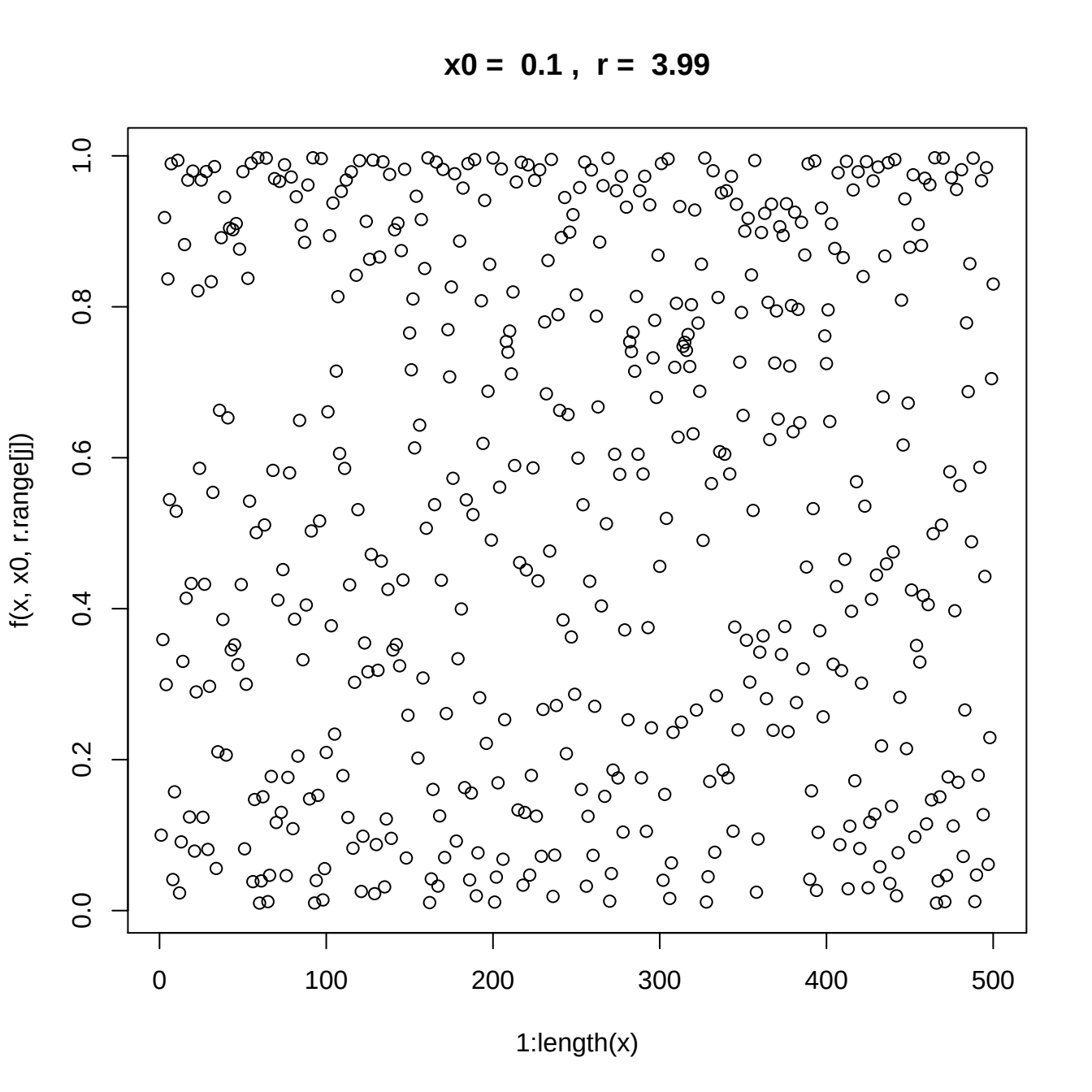

x0 = 0.1 , r = 3.98
f(x, x0, r.range[j])
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500
1:length(x)

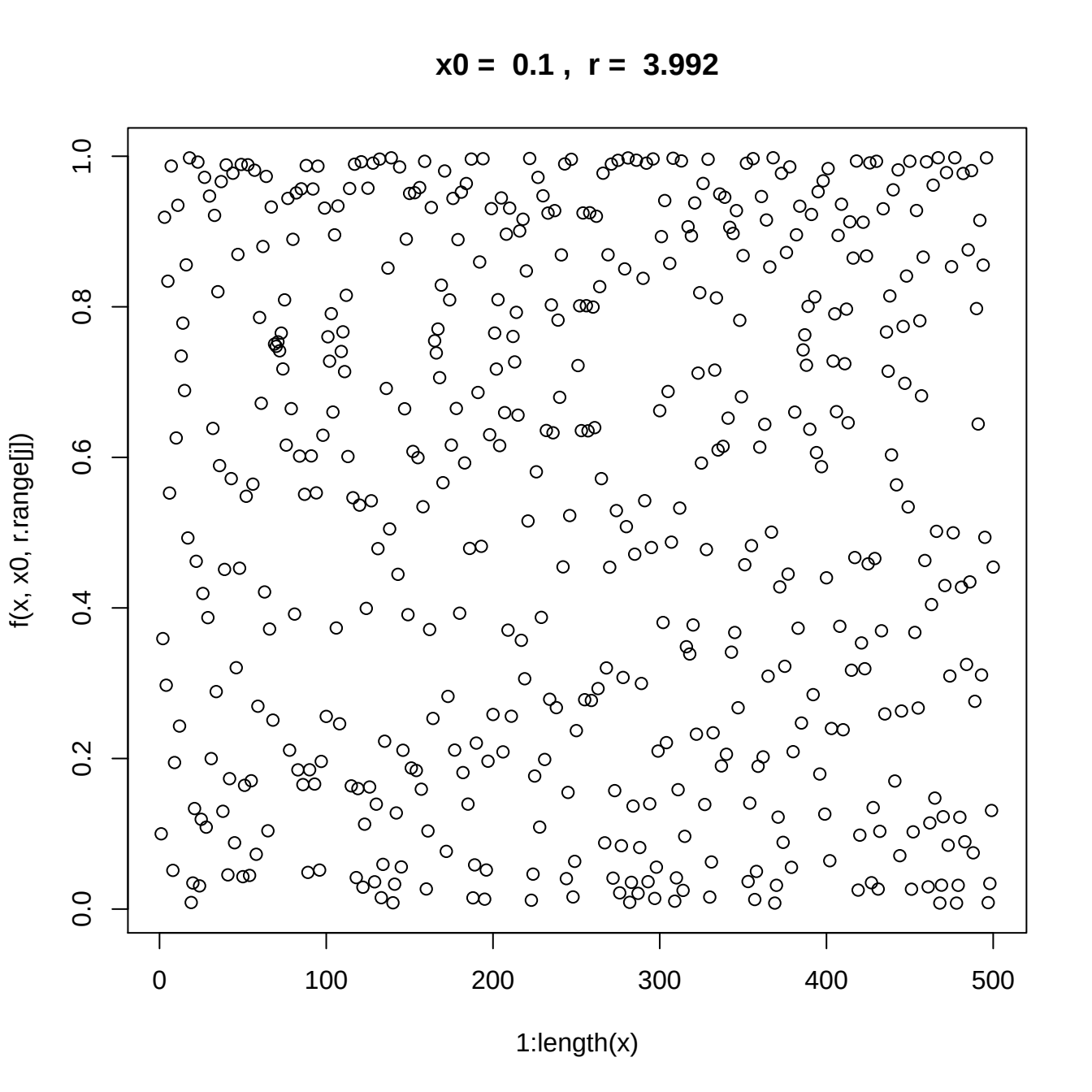

x0 = 0.1 , r = 3.982
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

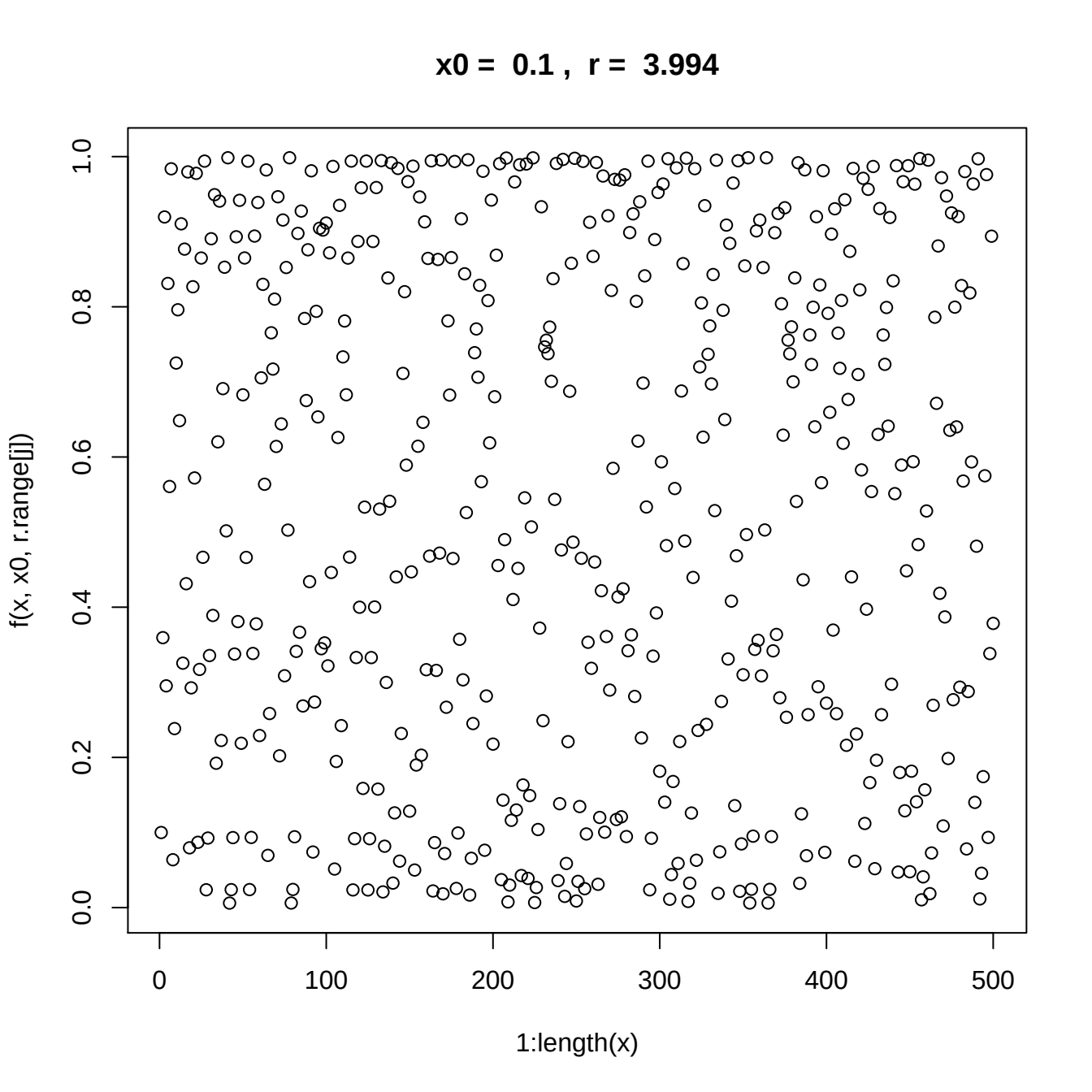

x0 = 0.1 , r = 3.984
f(x, x0, r.range[j])
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500
1:length(x)

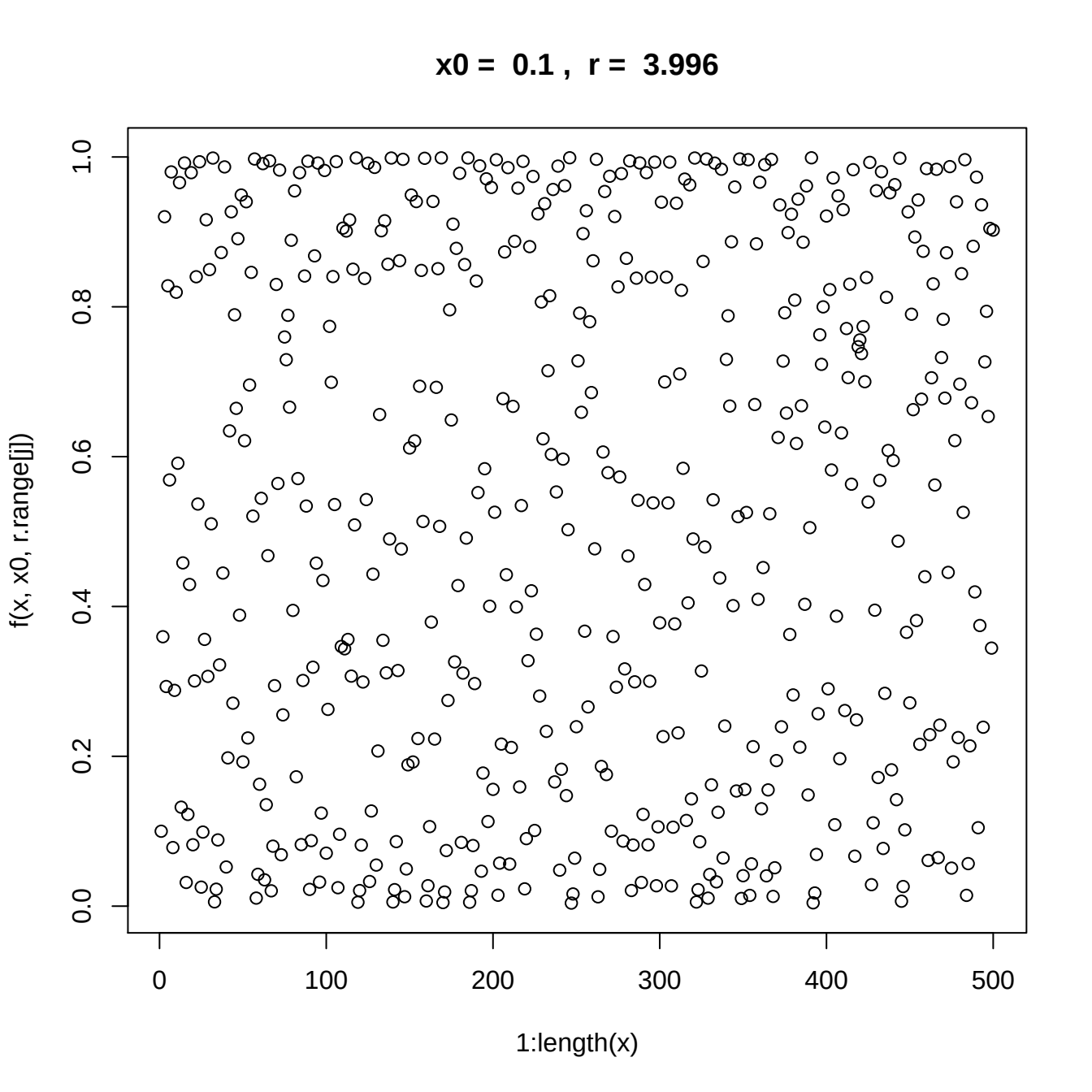

x0 = 0.1 , r = 3.986
f(x, x0, r.range[j])
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500
1:length(x)

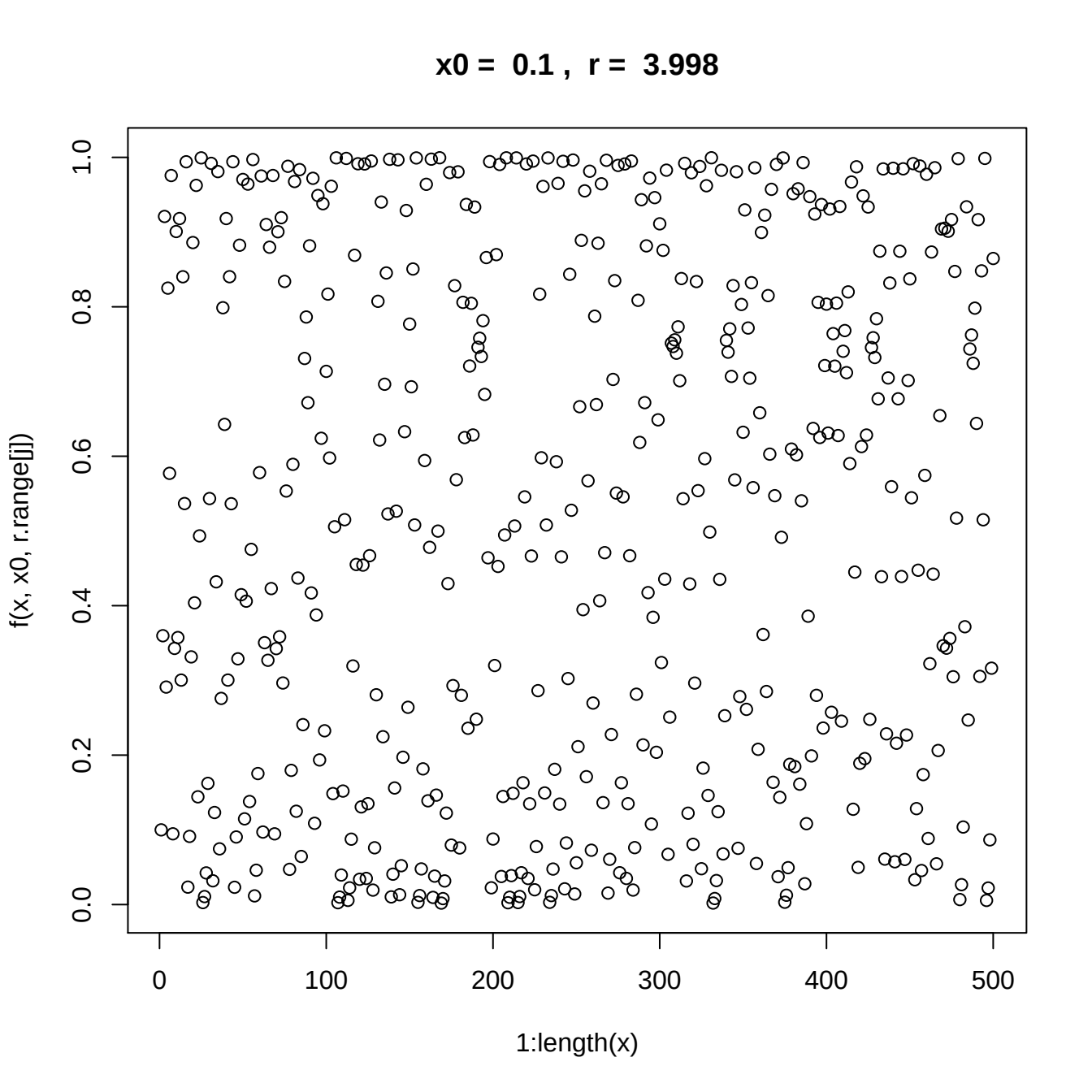

x0 = 0.1 , r = 3.988
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500

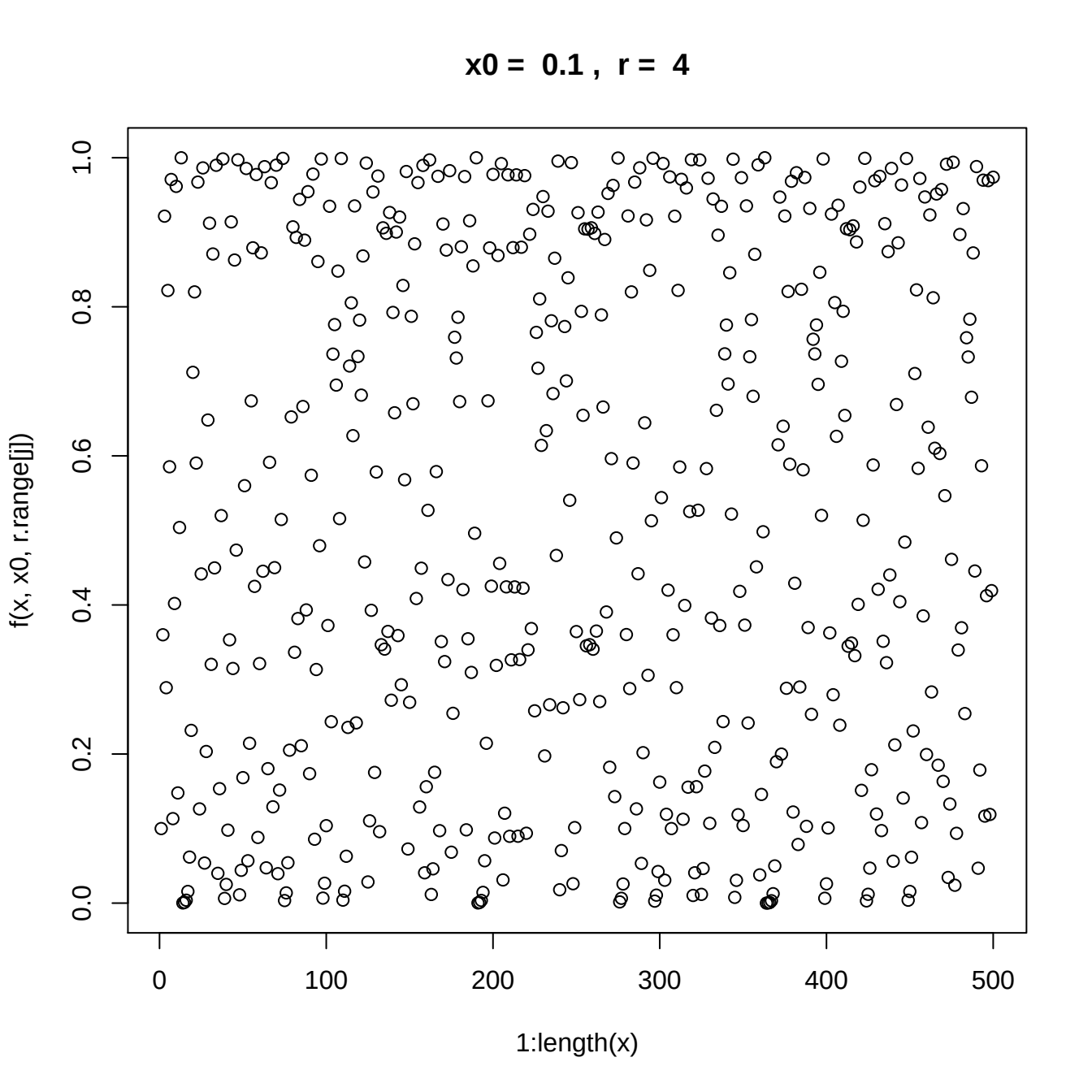

x0 = 0.1 , r = 3.99
f(x, x0, r.range[j])
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500
1:length(x)


x0 = 0.1 , r = 3.992
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500


x0 = 0.1 , r = 3.994
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500


x0 = 0.1 , r = 3.996
f(x, x0, r.range[j])
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500
1:length(x)


x0 = 0.1 , r = 3.998
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500


x0 = 0.1 , r = 4
f(x, x0, r.range[j])
1:length(x)
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500