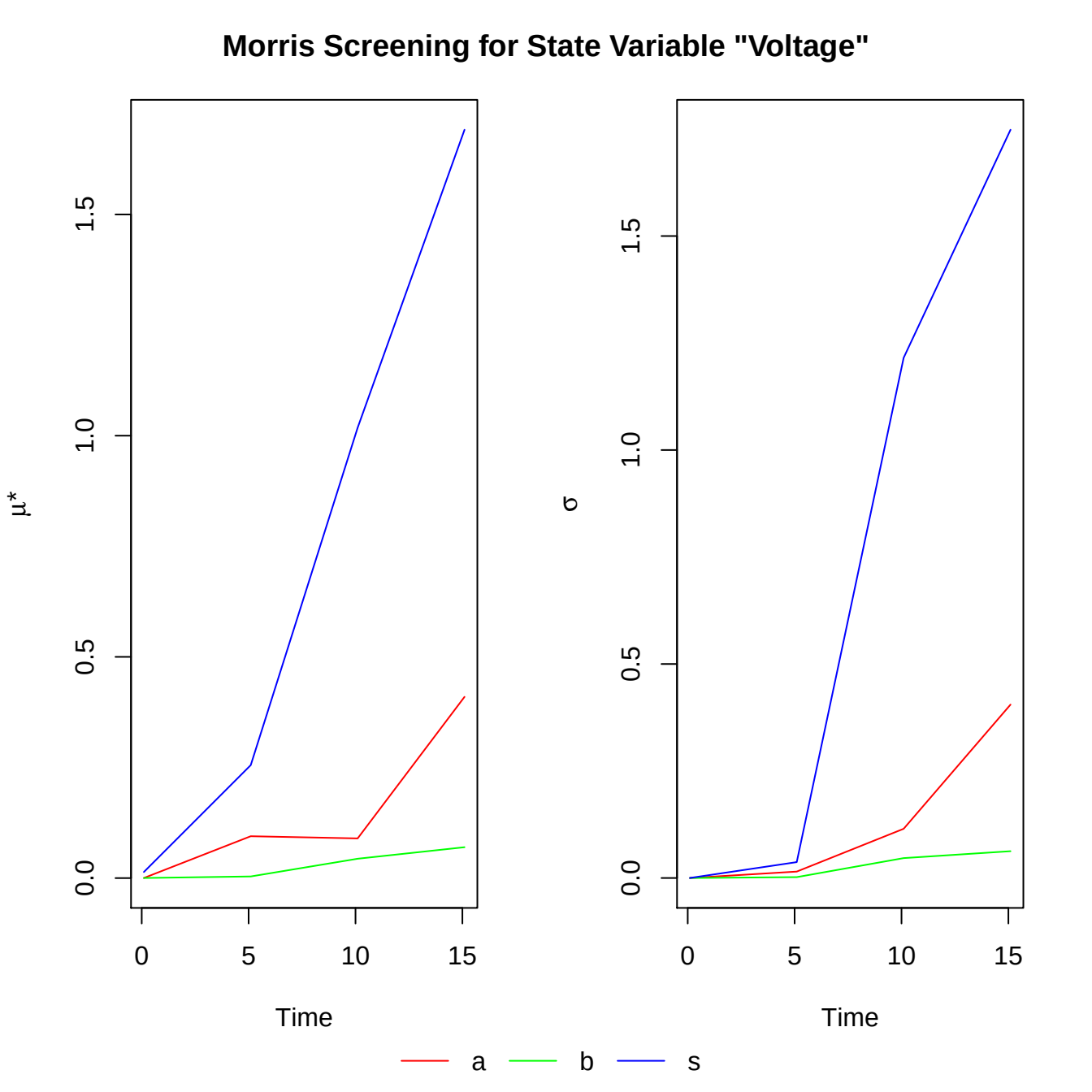
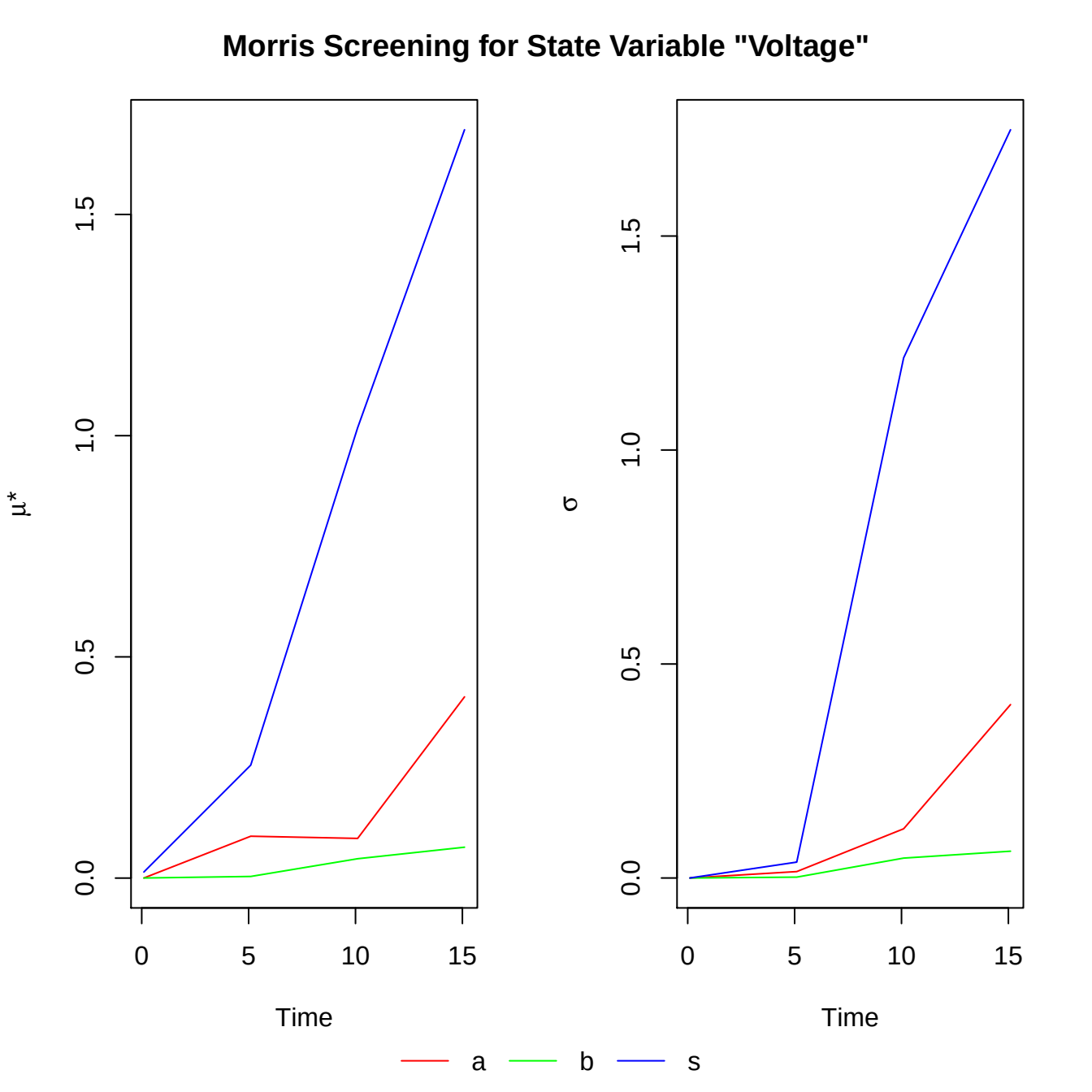
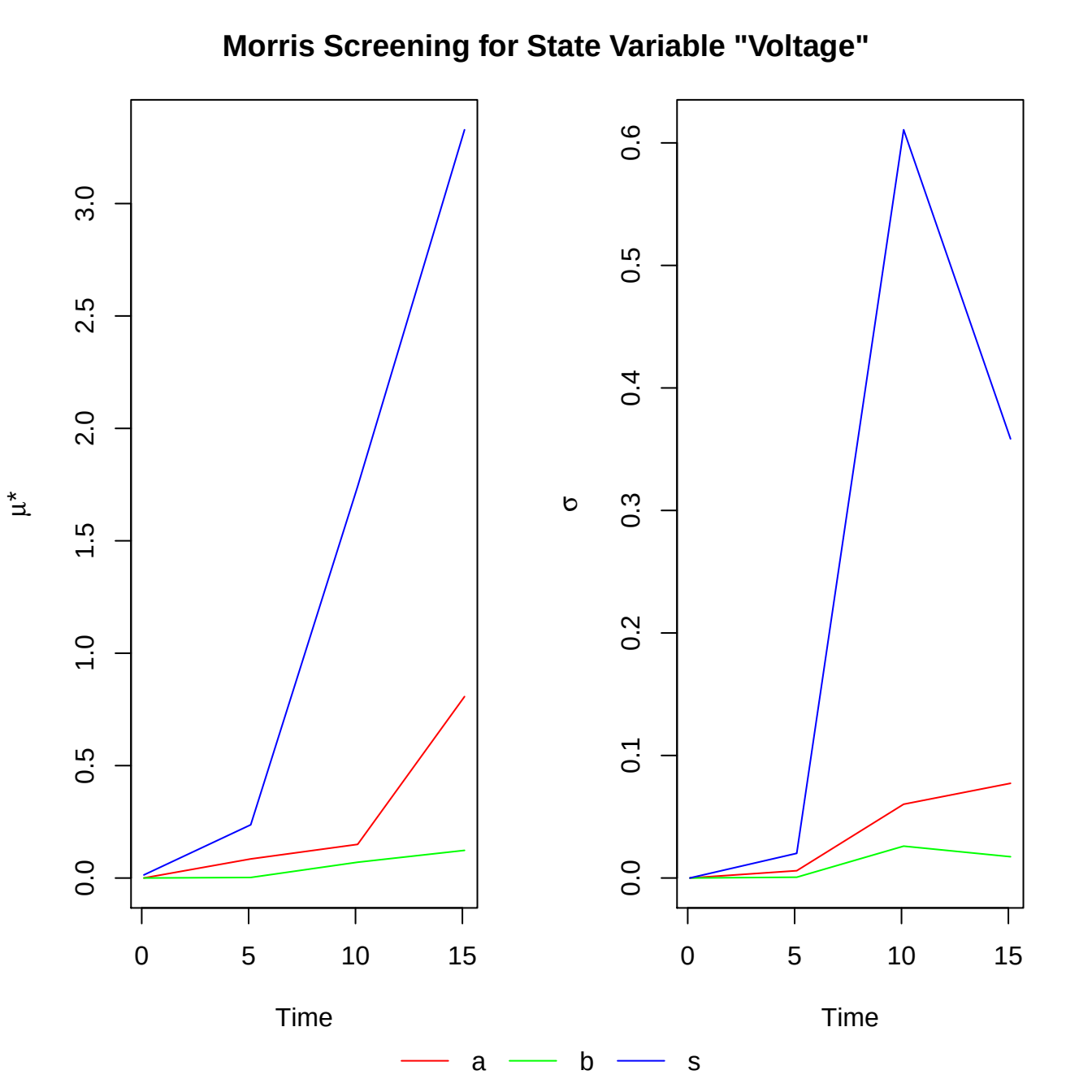
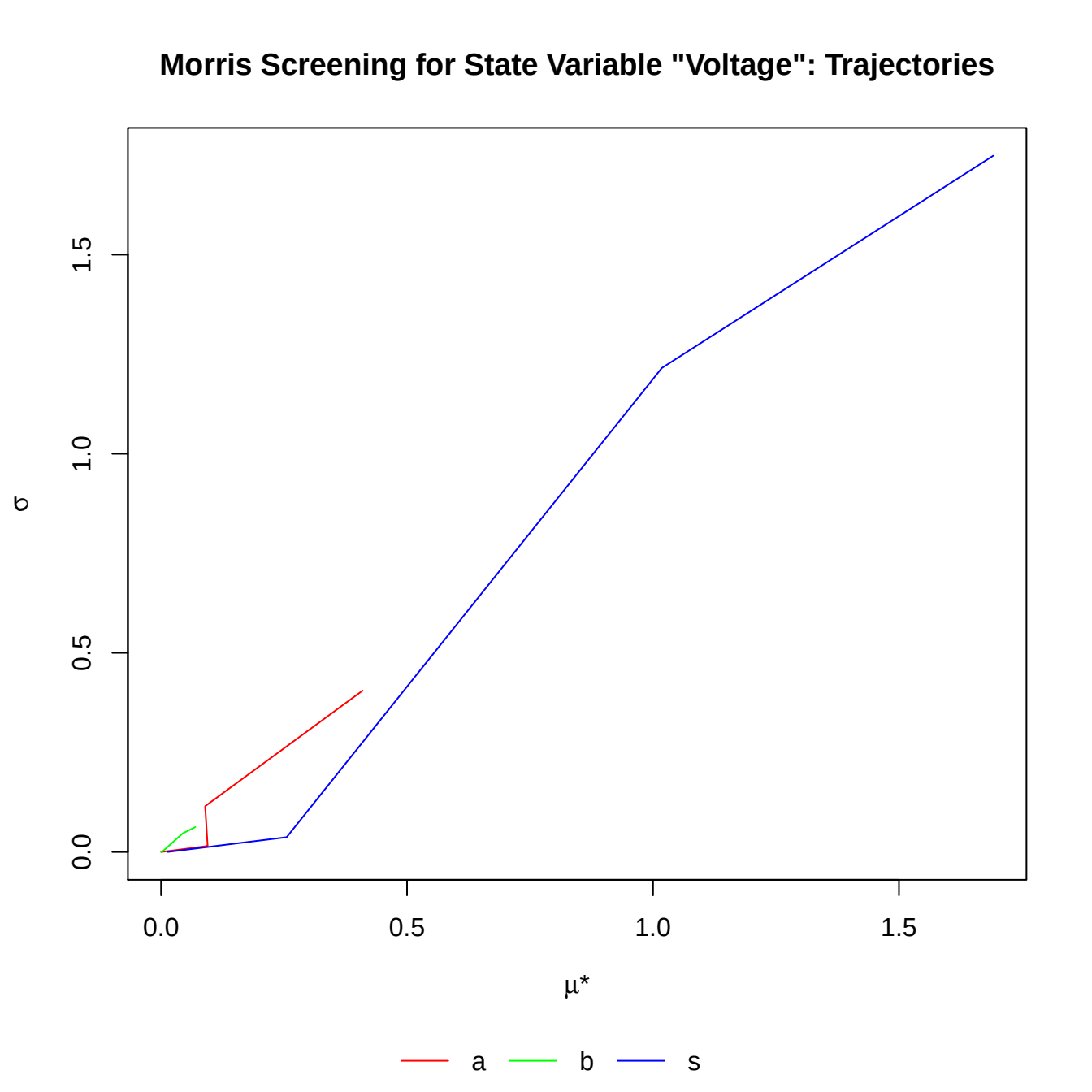

Morris Screening for State Variable "Voltage"
μ*
σ
0.0
0.5
1.0
1.5
0
5
10
15
Time
a
b
s

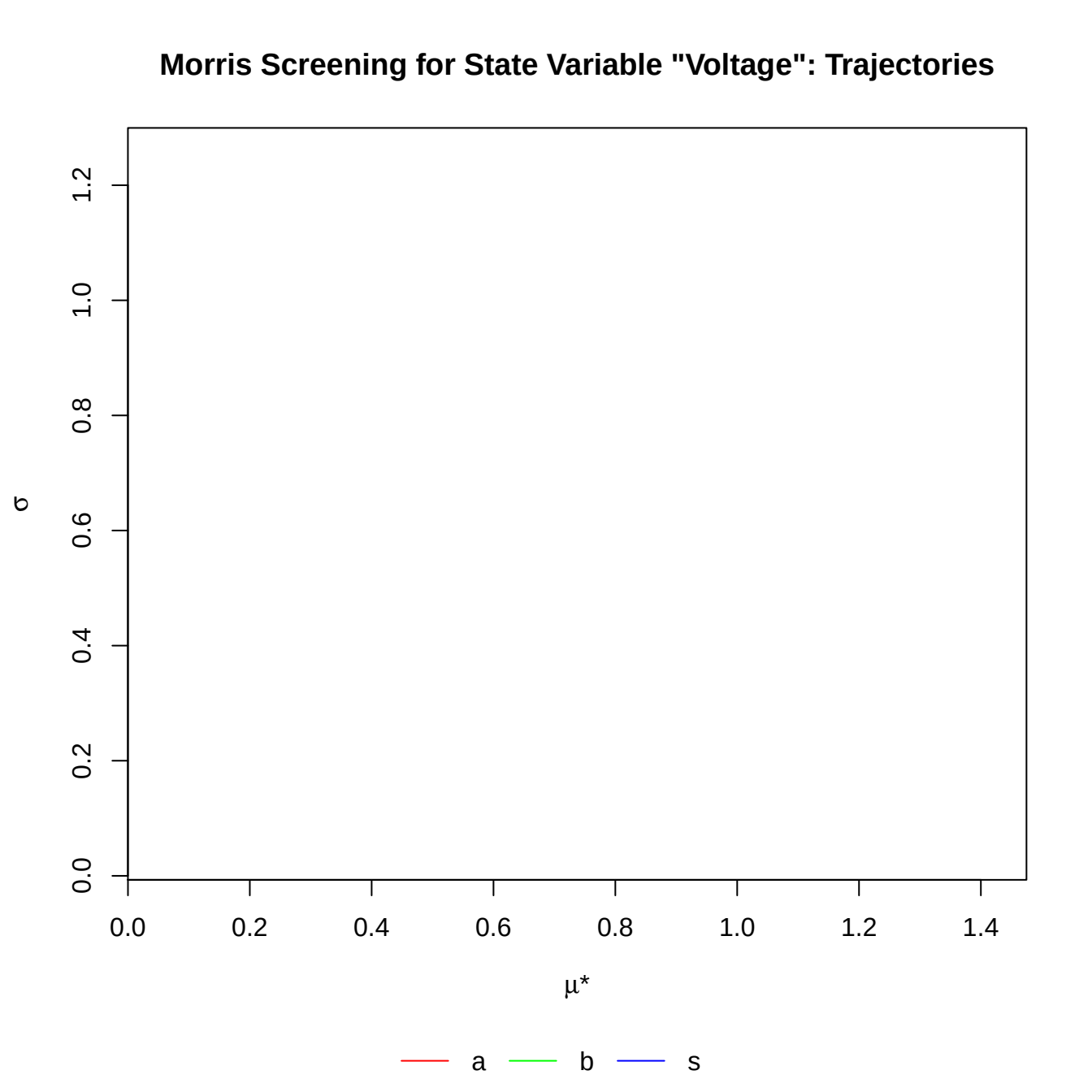
Morris Screening for State Variable "Voltage"
μ*
σ
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
6
8
10
12
14
Time
Time
a
b
s

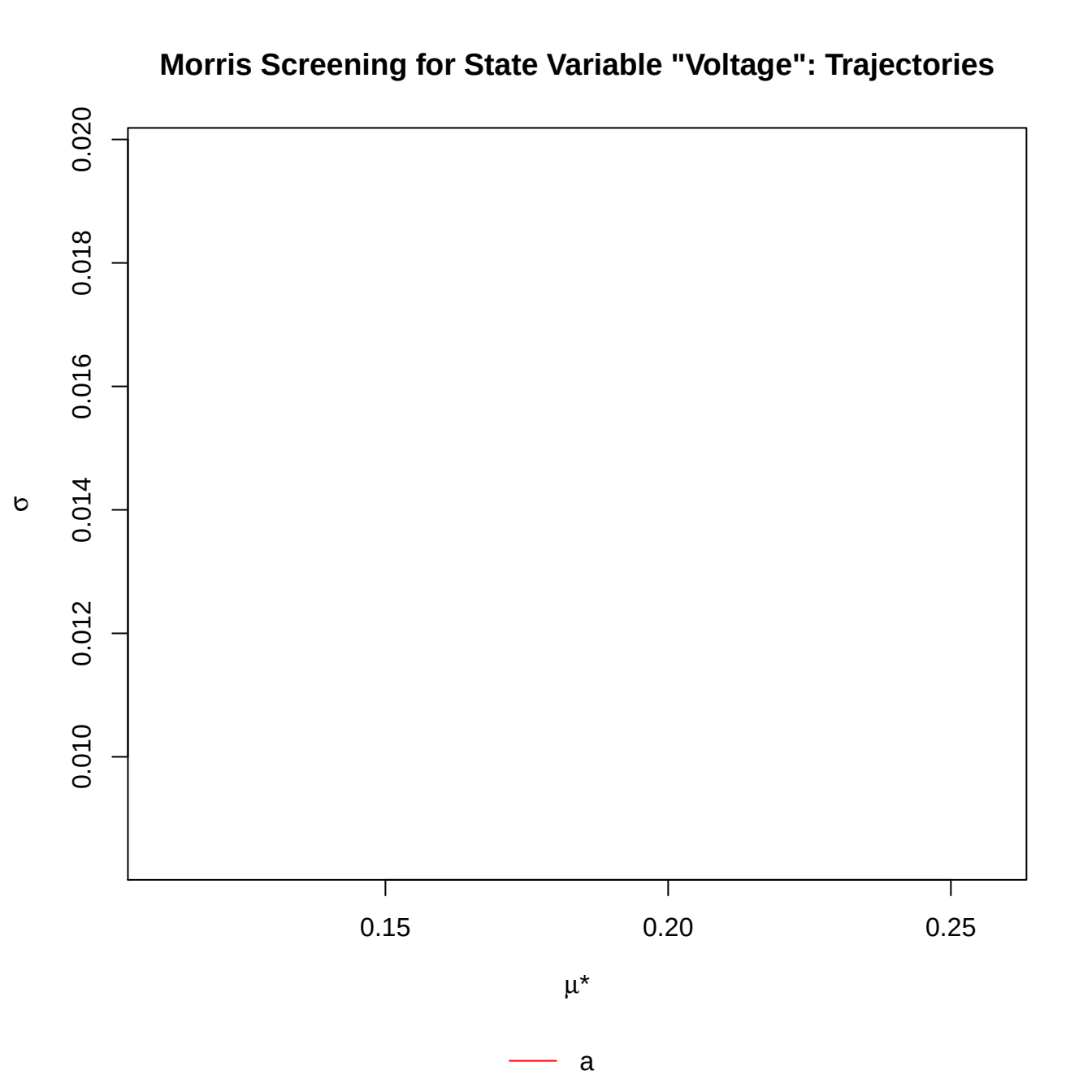
Morris Screening for State Variable "Voltage"
μ*
0.25
0.20
0.15
6
8
10
12
14
Time
σ
0.020
0.018
0.016
0.014
0.012
0.010
6
8
10
12
14
Time
a

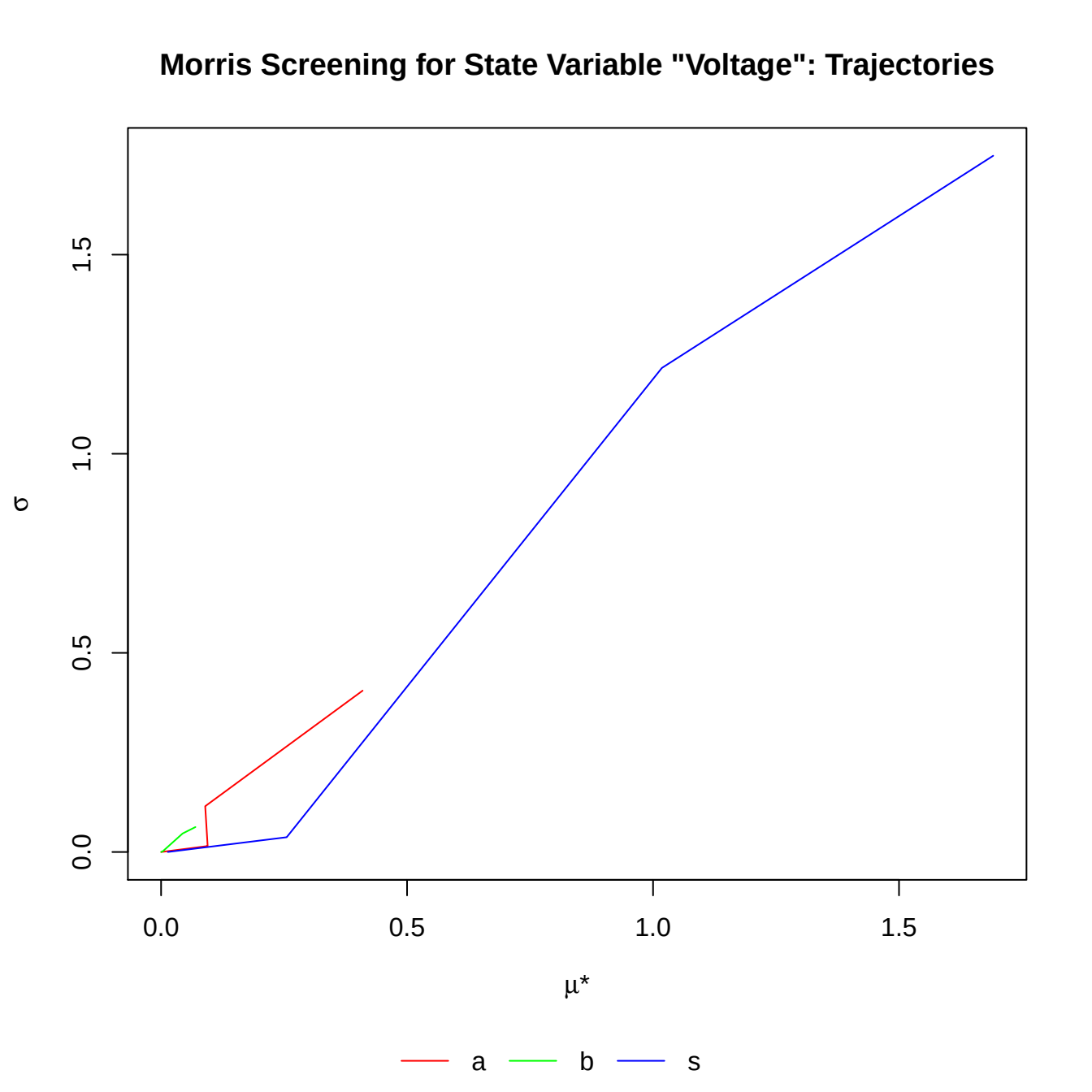

Morris Screening for State Variable "Voltage"
μ*
σ
0.0
0.5
1.0
1.5
0
5
10
15
Time
a
b
s

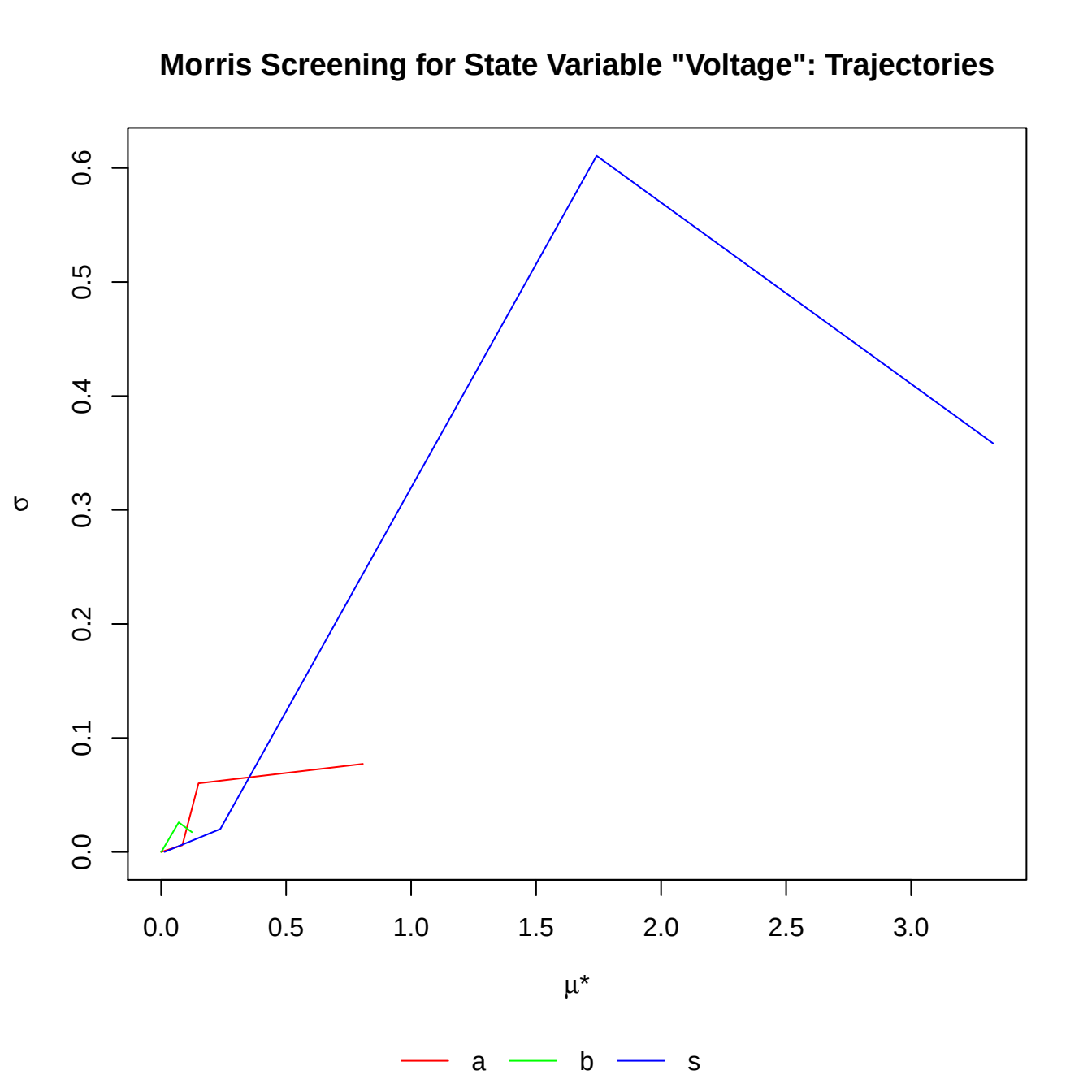

Morris Screening for State Variable "Voltage"
μ*
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0
5
10
15
Time
σ
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
5
10
15
Time
a
b
s

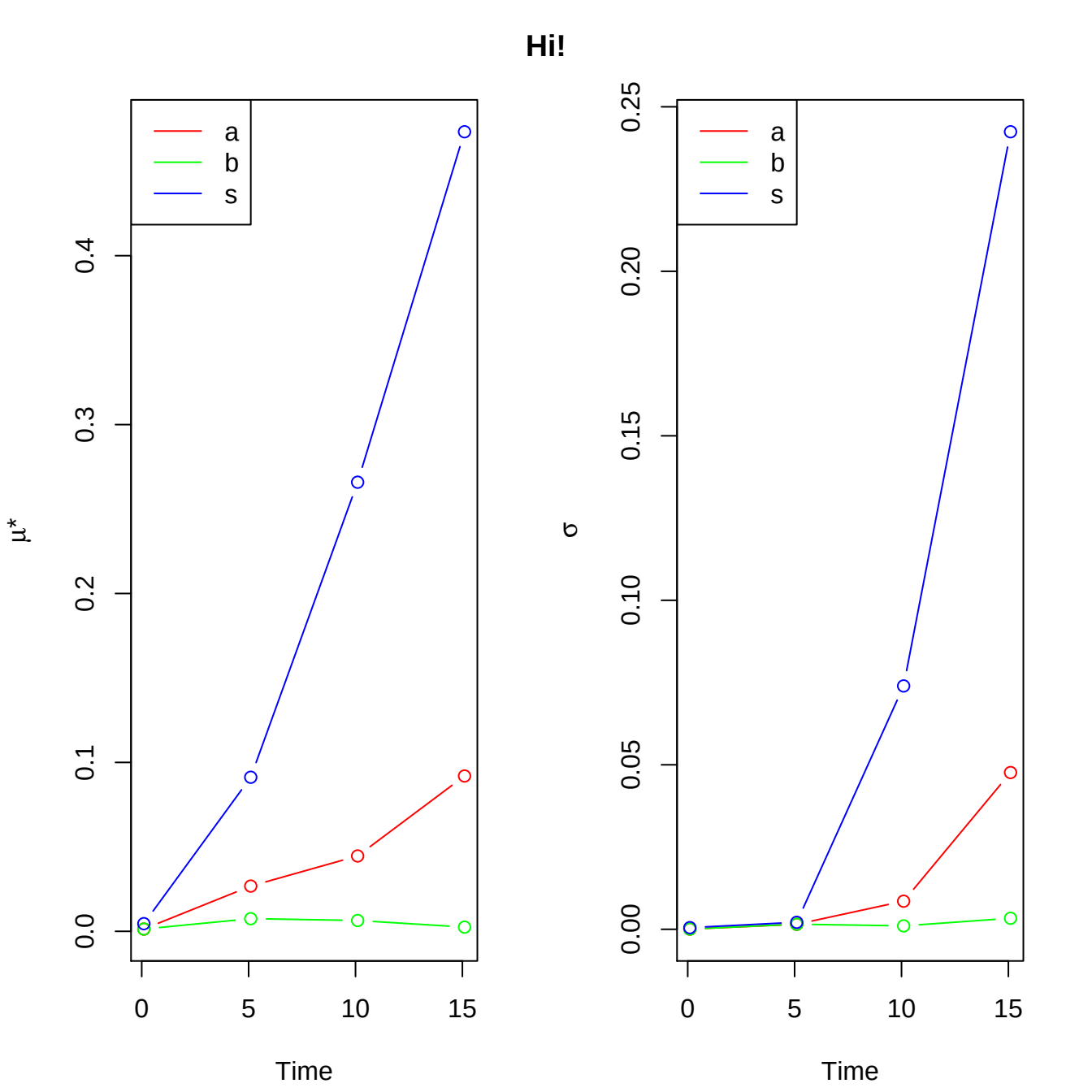

Morris Screening for State Variable "Voltage": Trajectories
σ
0.0
0.5
1.0
1.5
0.0
0.5
1.0
1.5
μ*
a
b
s

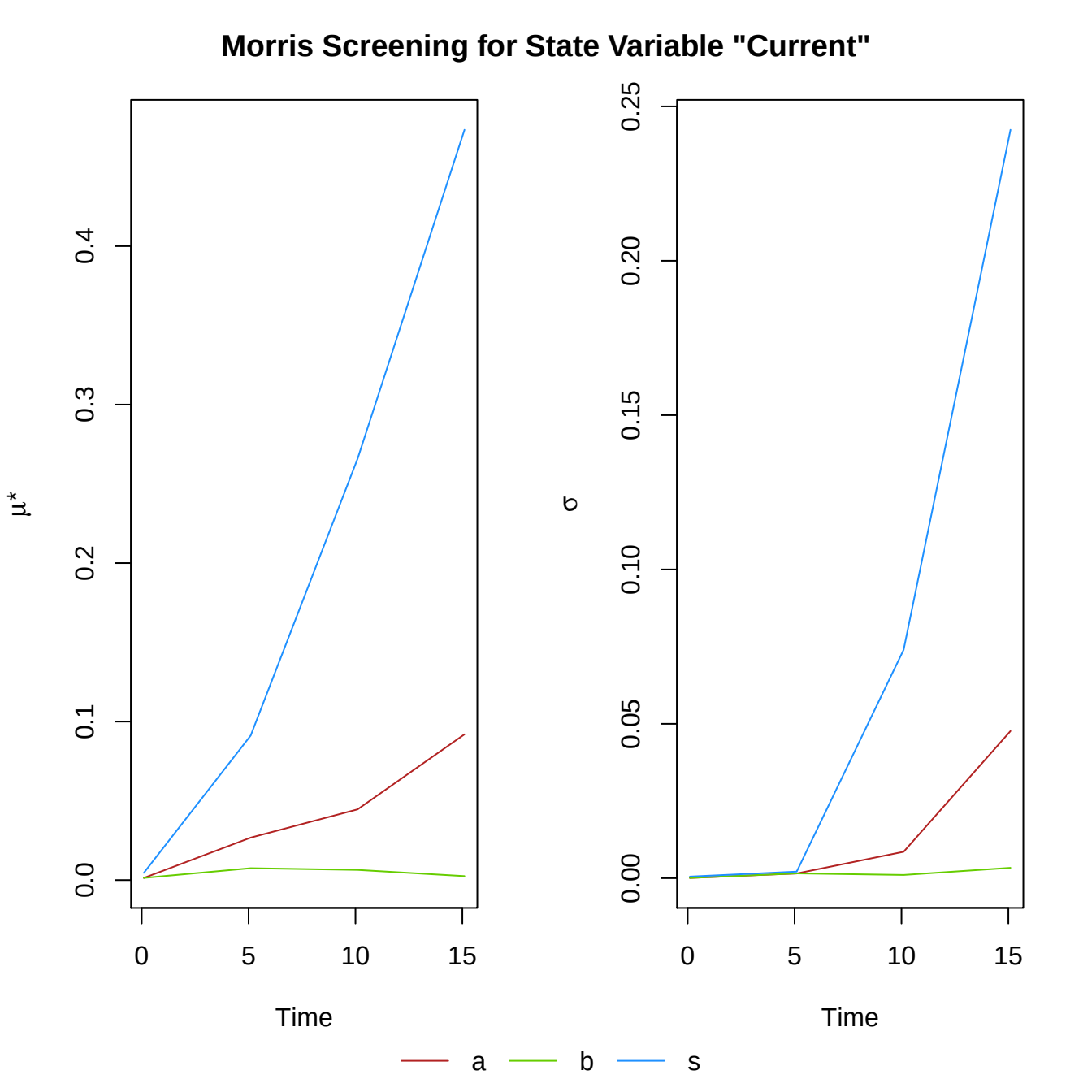

Morris Screening for State Variable "Voltage": Trajectories
σ
0.0
0.2
0.4
0.6
0.8
1.0
1.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
μ*
a
b
s

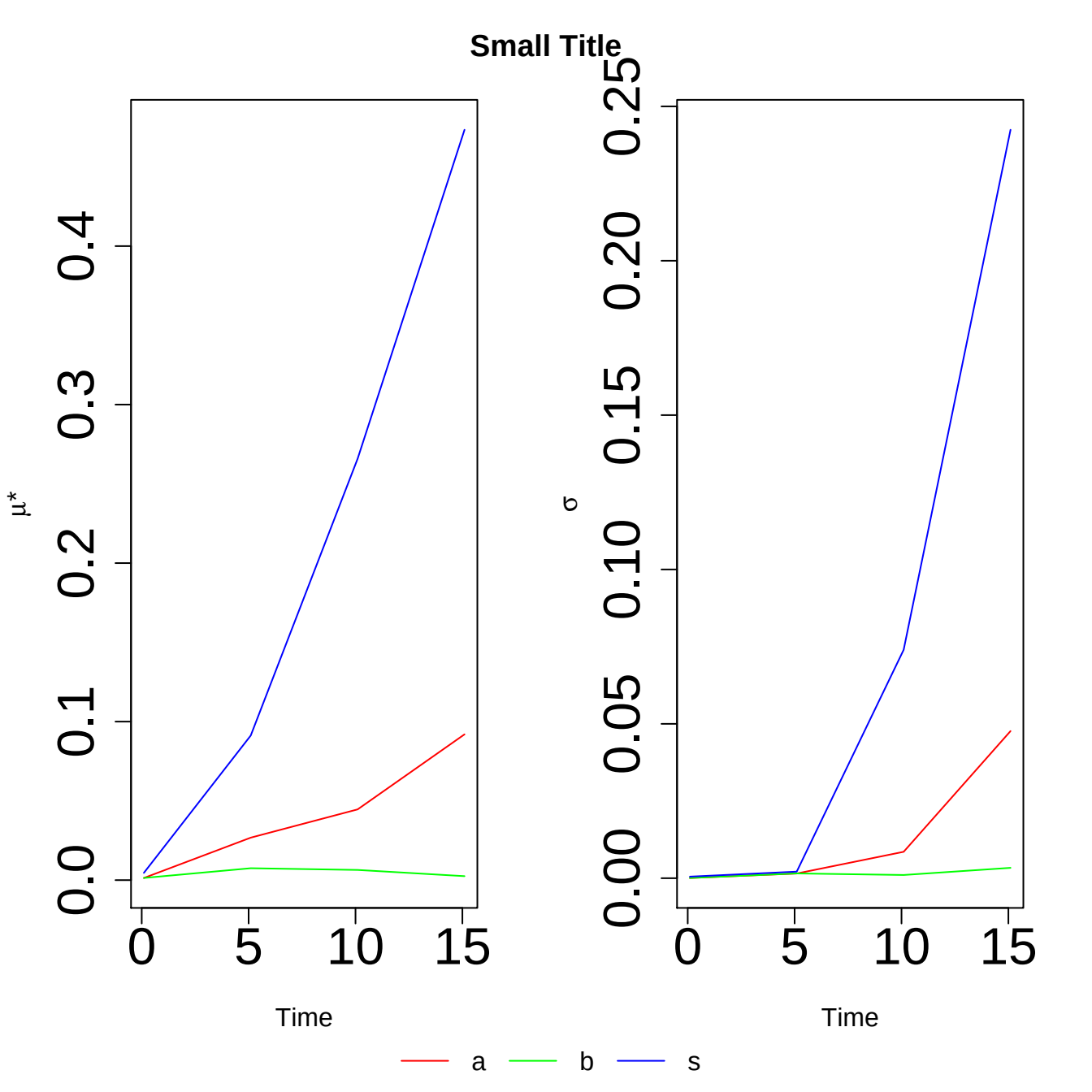

Morris Screening for State Variable "Voltage": Trajectories
σ
0.010
0.012
0.014
0.016
0.018
0.020
0.15
0.20
0.25
μ*
a

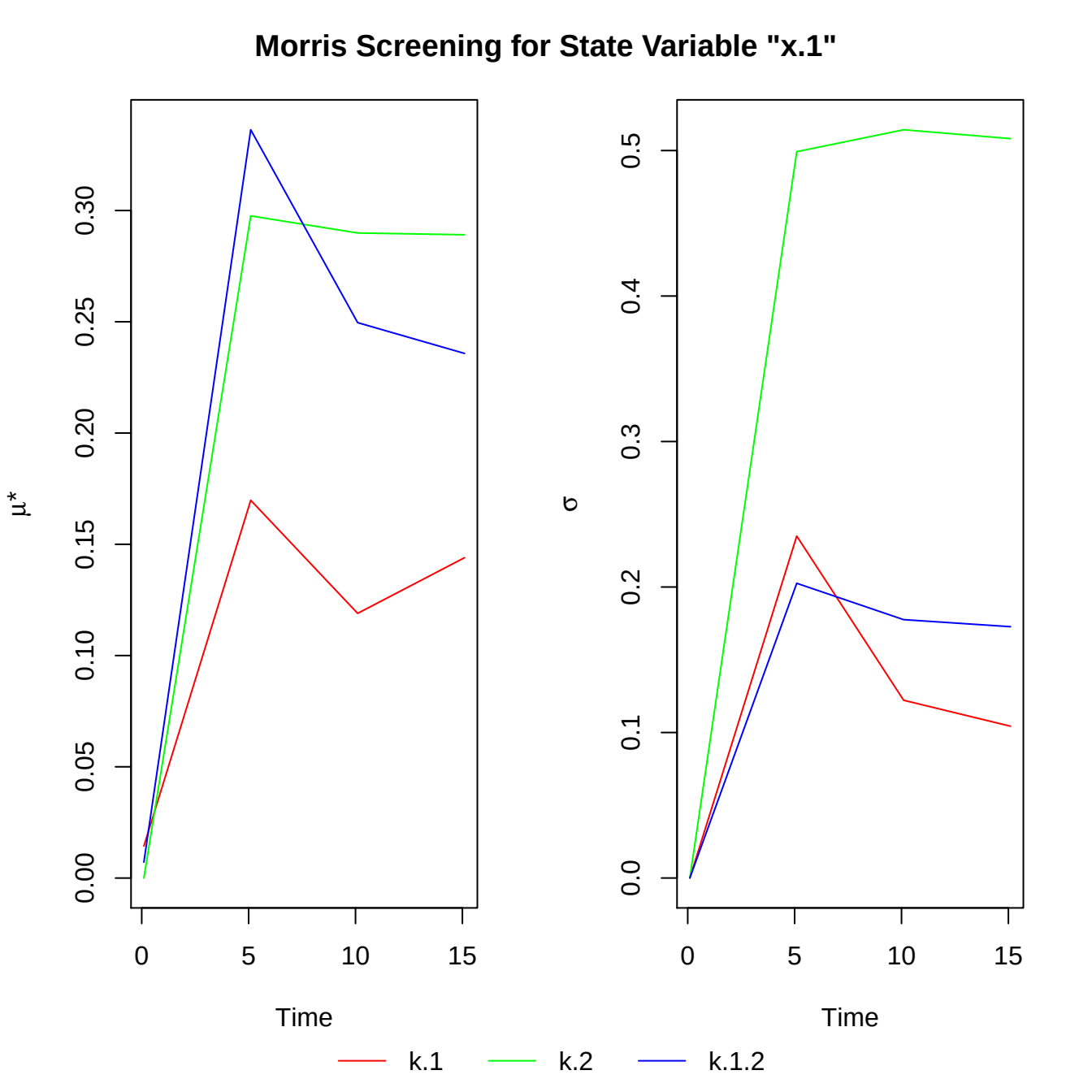

Morris Screening for State Variable "Voltage": Trajectories
σ
0.0
0.5
1.0
1.5
0.0
0.5
1.0
1.5
μ*
a
b
s

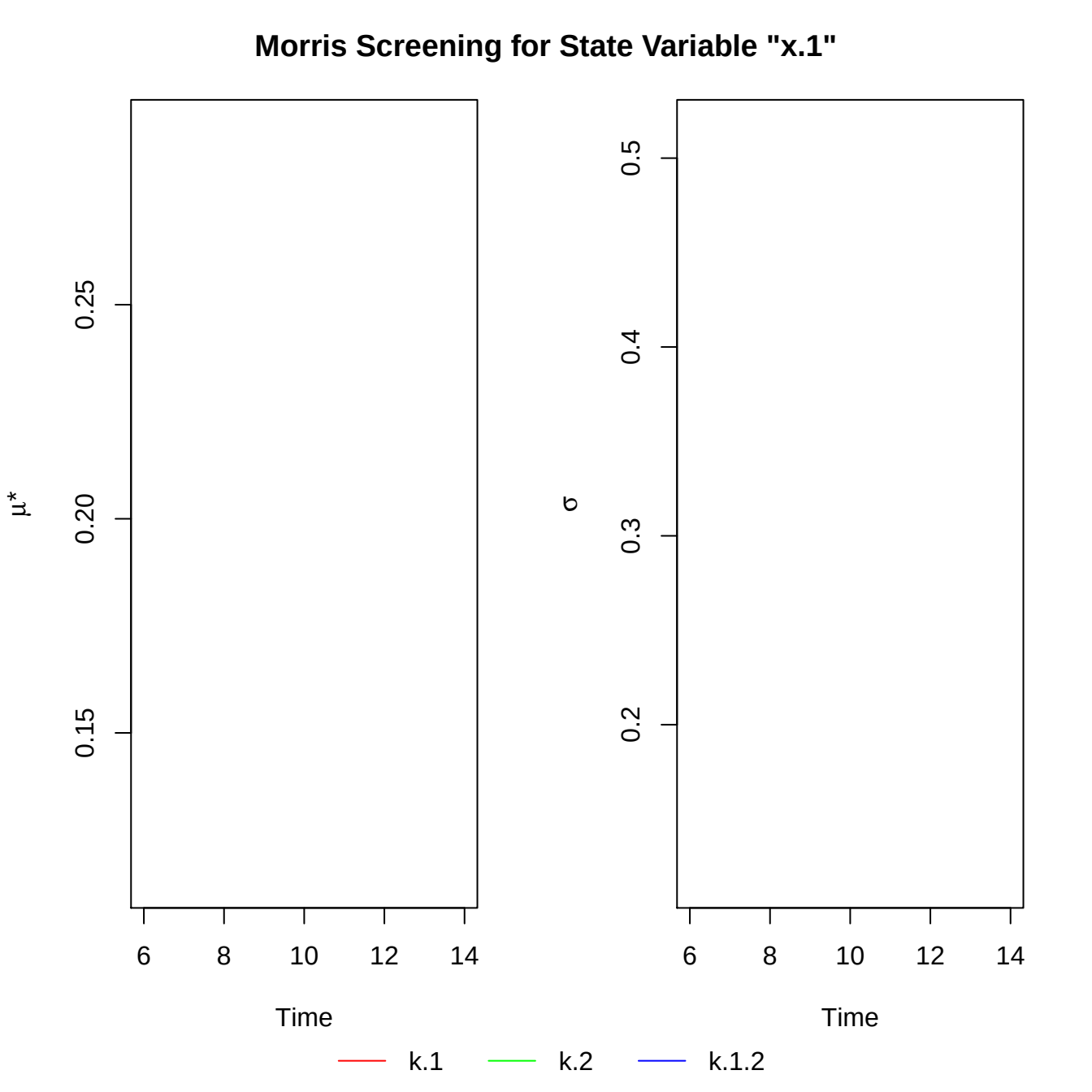

Morris Screening for State Variable "Voltage": Trajectories
σ
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.0
0.5
1.0
1.5
2.0
2.5
3.0
μ*
a
b
s

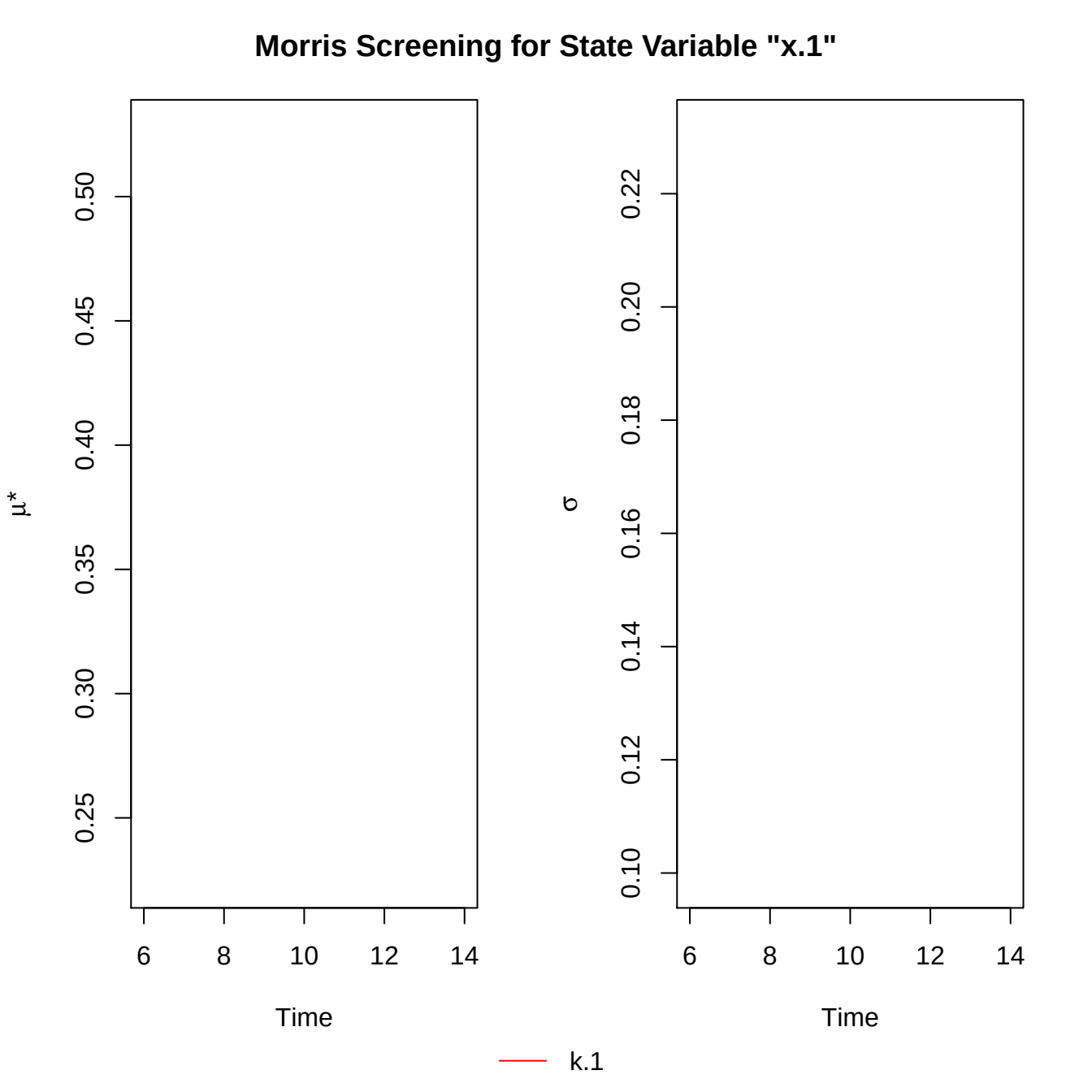

Hi!
a
b
s
μ*
0.0
0.1
0.2
0.3
0.4
0
5
10
15
Time
σ
0.00
0.05
0.10
0.15
0.20
0.25

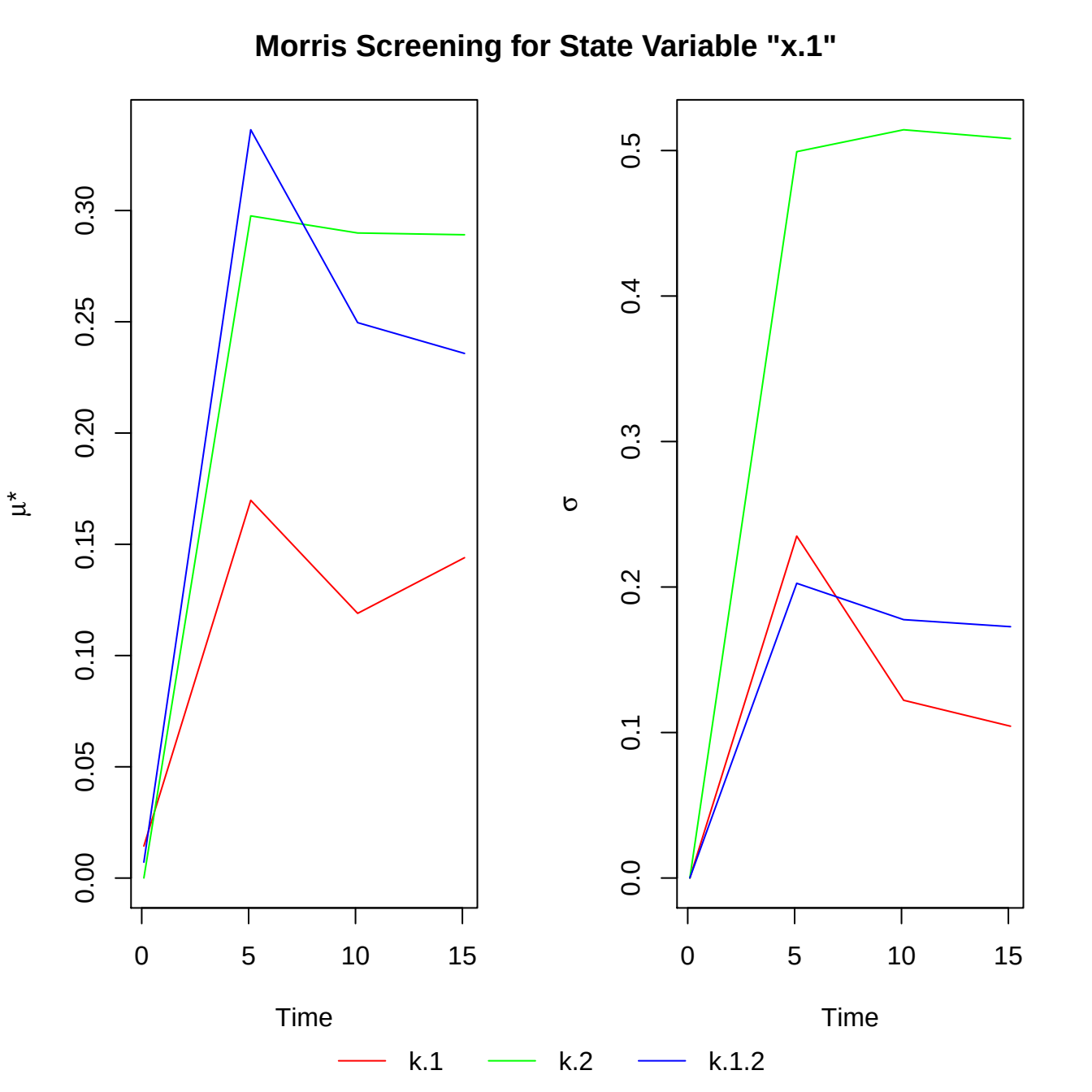

Morris Screening for State Variable "Current"
μ*
0.0
0.1
0.2
0.3
0.4
0
5
10
15
Time
σ
0.00
0.05
0.10
0.15
0.20
0.25
0
5
10
15
Time
a
b
s

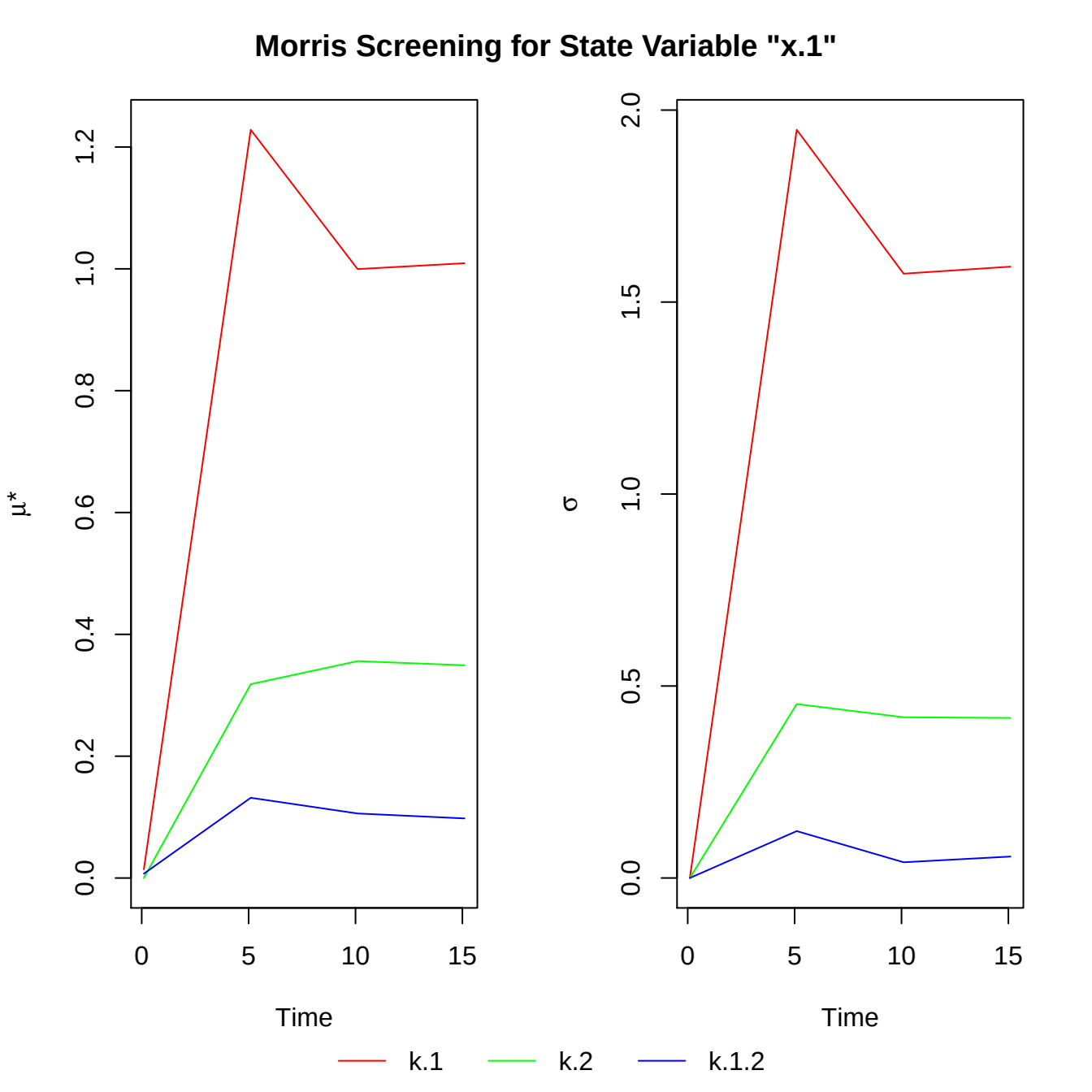

Small Title
μ*
0.0
0.1
0.2
0.3
0.4
0
5
10
15
Time
σ
0.00
0.05
0.10
0.15
0.20
0.25
0
5
10
15
Time
a
b
s

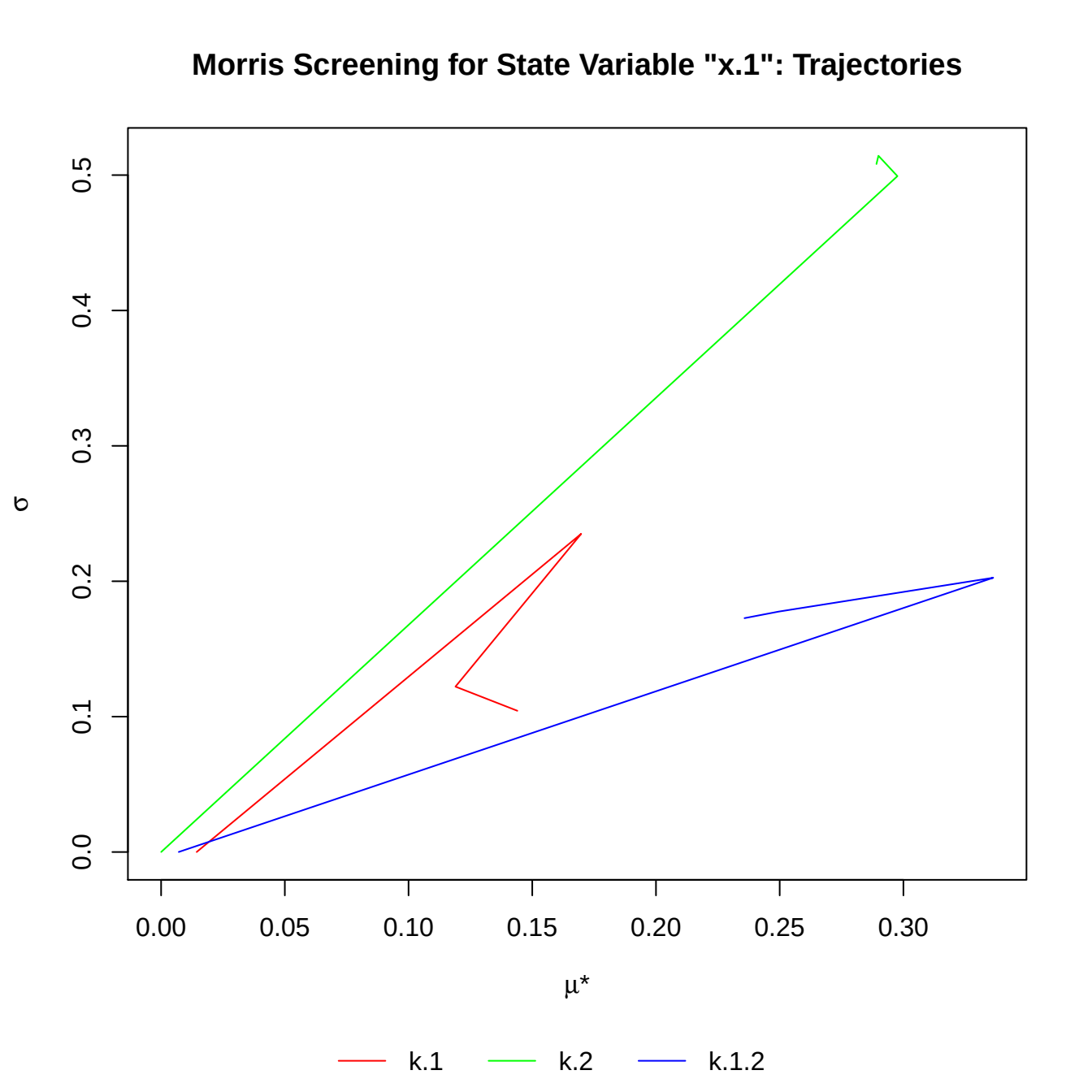

Morris Screening for State Variable "x.1"
μ*
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
5
10
15
Time
σ
0.0
0.1
0.2
0.3
0.4
0.5
0
5
10
15
Time
k.1
k.2
k.1.2

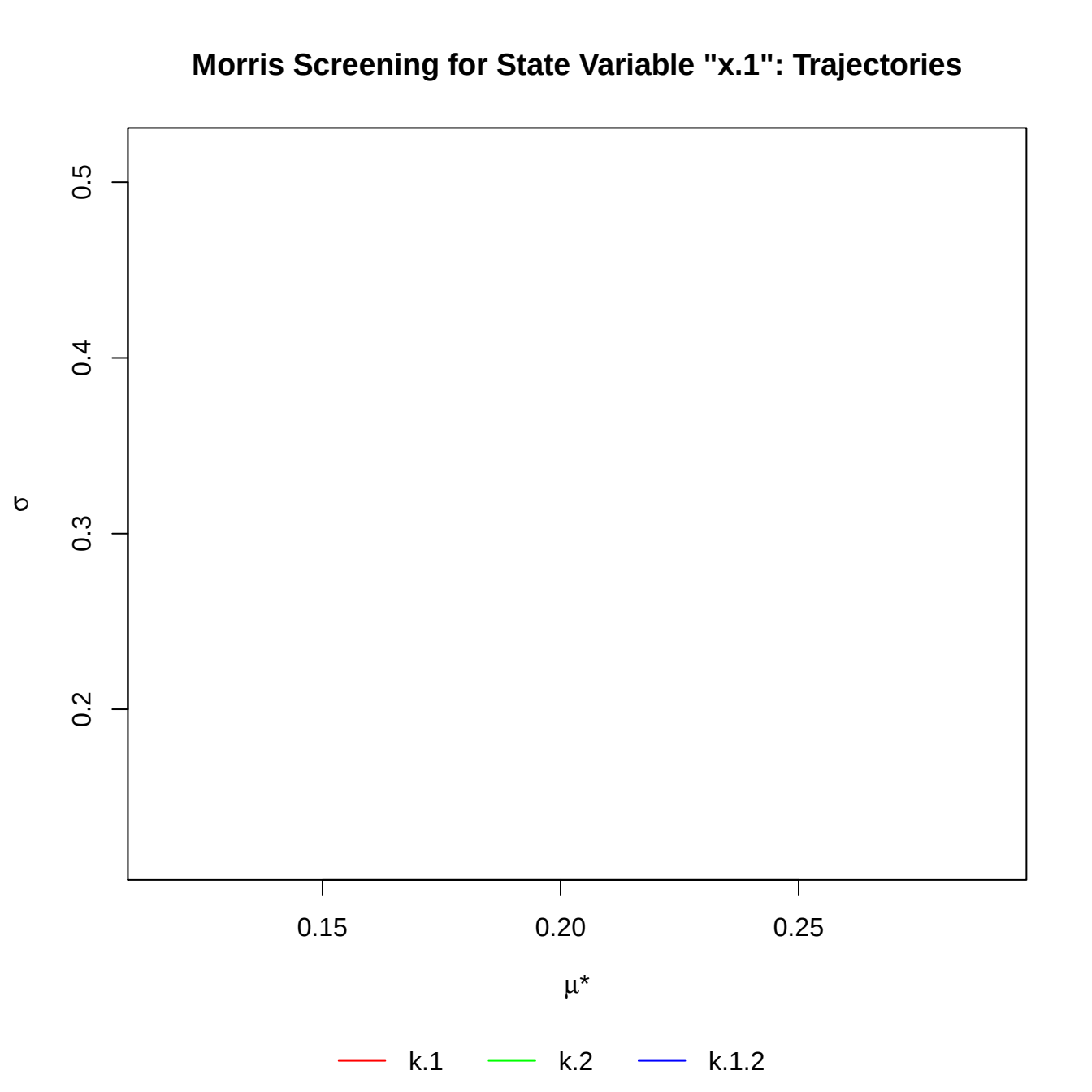

Morris Screening for State Variable "x.1"
μ*
0.15
0.20
0.25
6
8
10
12
14
Time
σ
0.2
0.3
0.4
0.5
6
8
10
12
14
Time
k.1
k.2
k.1.2

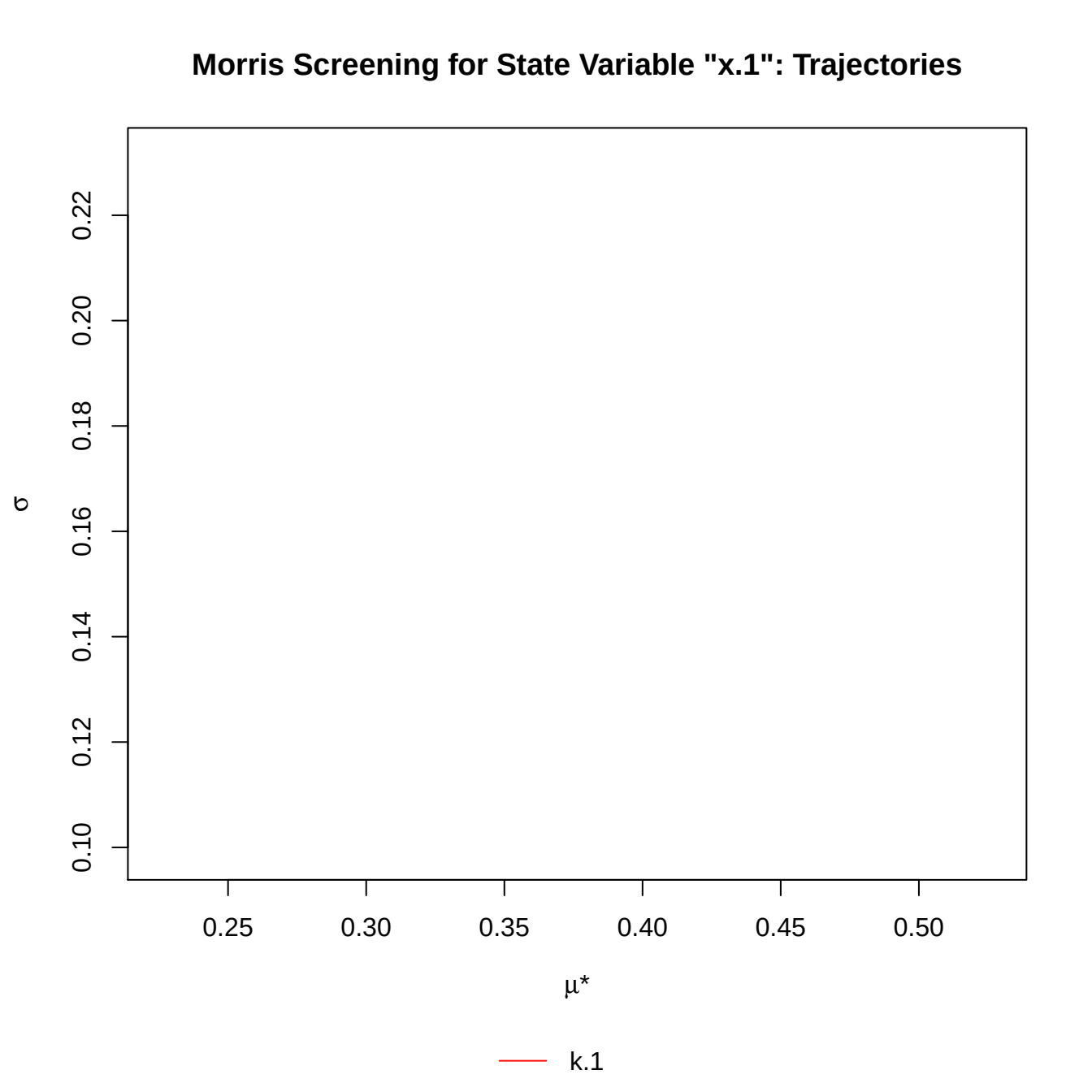

Morris Screening for State Variable "x.1"
μ*
0.25
0.30
0.35
0.40
0.45
0.50
6
8
10
12
14
Time
σ
0.10
0.12
0.14
0.16
0.18
0.20
0.22
6
8
10
12
14
Time
k.1

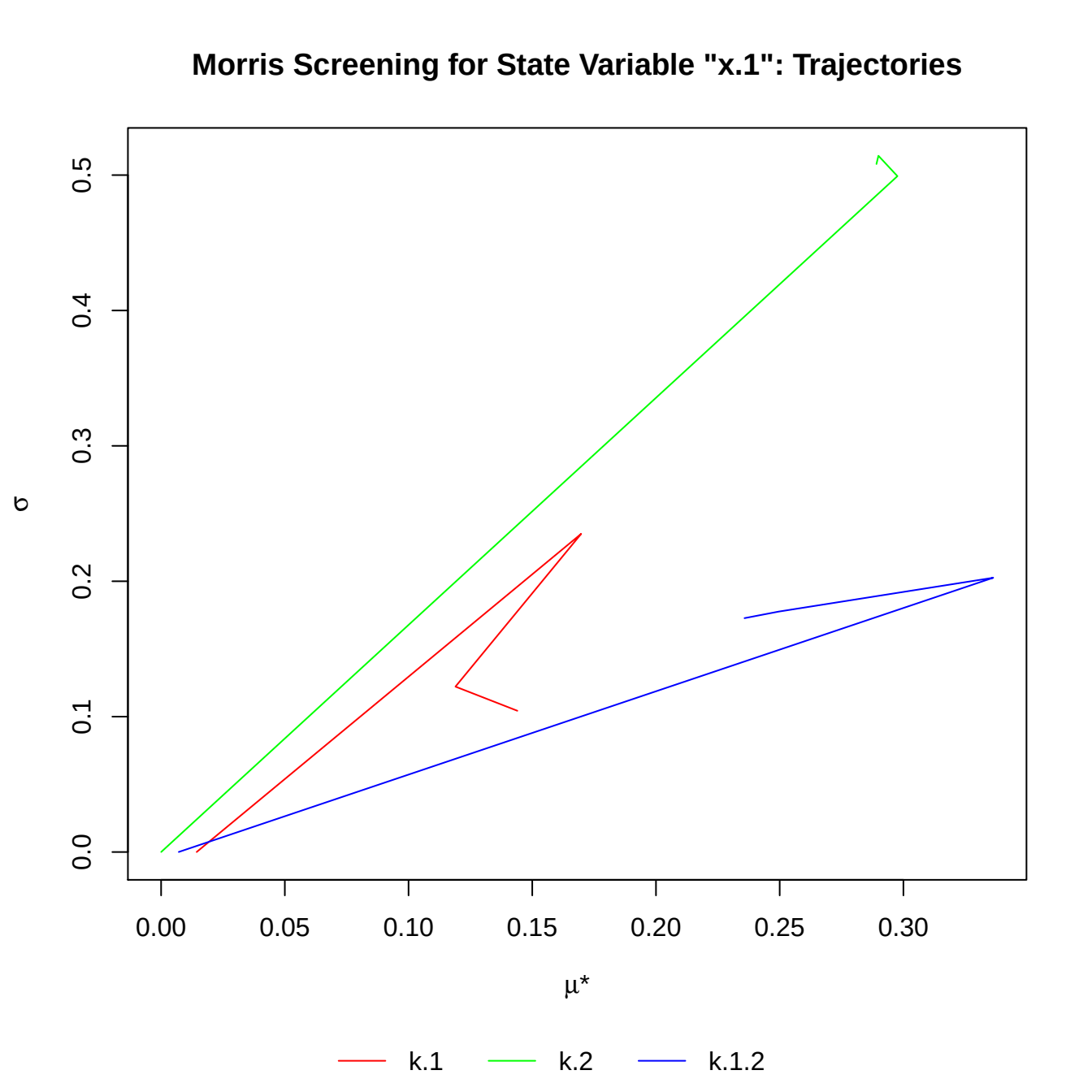

Morris Screening for State Variable "x.1"
μ*
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
5
10
15
Time
σ
0.0
0.1
0.2
0.3
0.4
0.5
0
5
10
15
Time
k.1
k.2
k.1.2

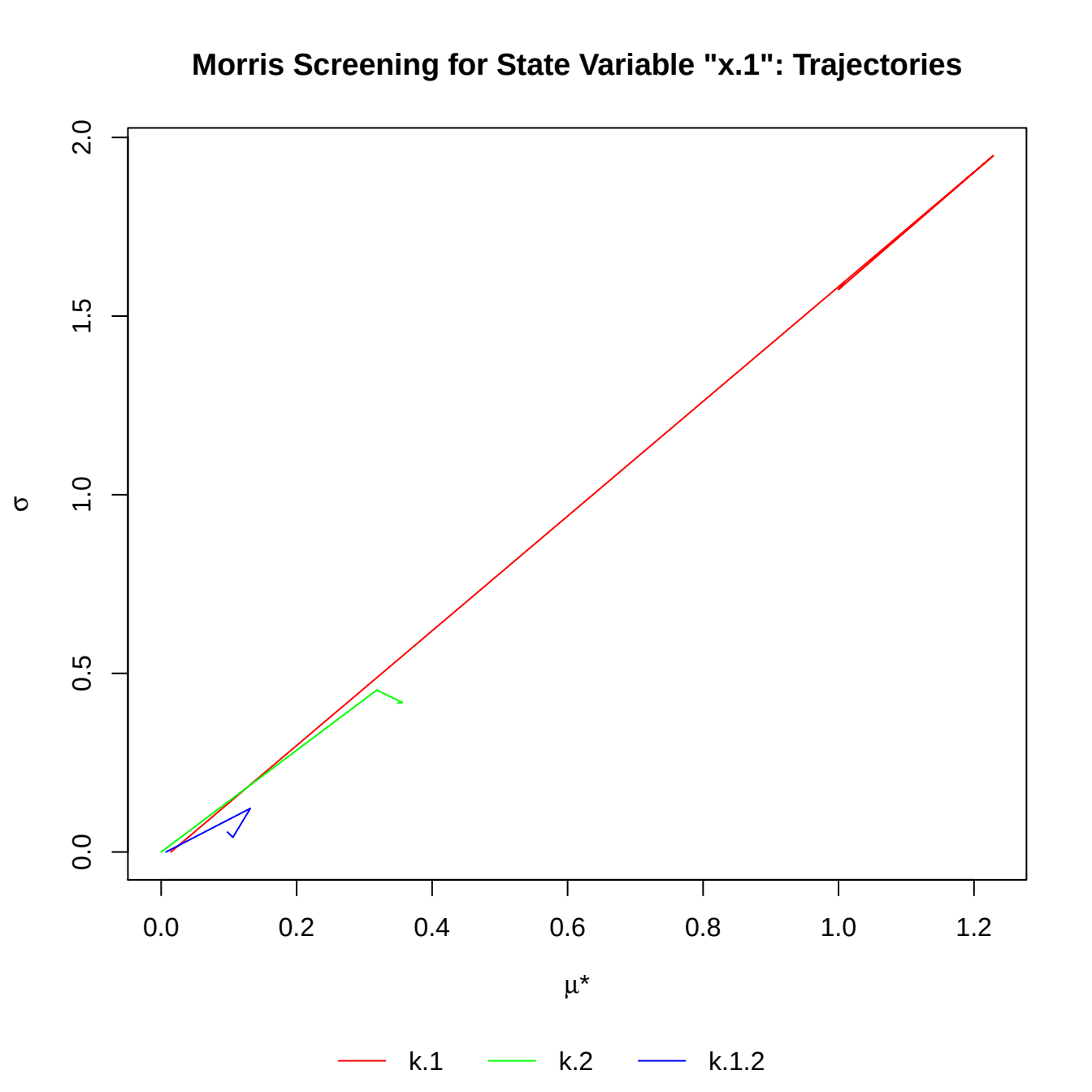

Morris Screening for State Variable "x.1"
μ*
0.0
0.2
0.4
0.6
0.8
1.0
1.2
0
5
10
15
Time
σ
0.0
0.5
1.0
1.5
2.0
0
5
10
15
Time
k.1
k.2
k.1.2

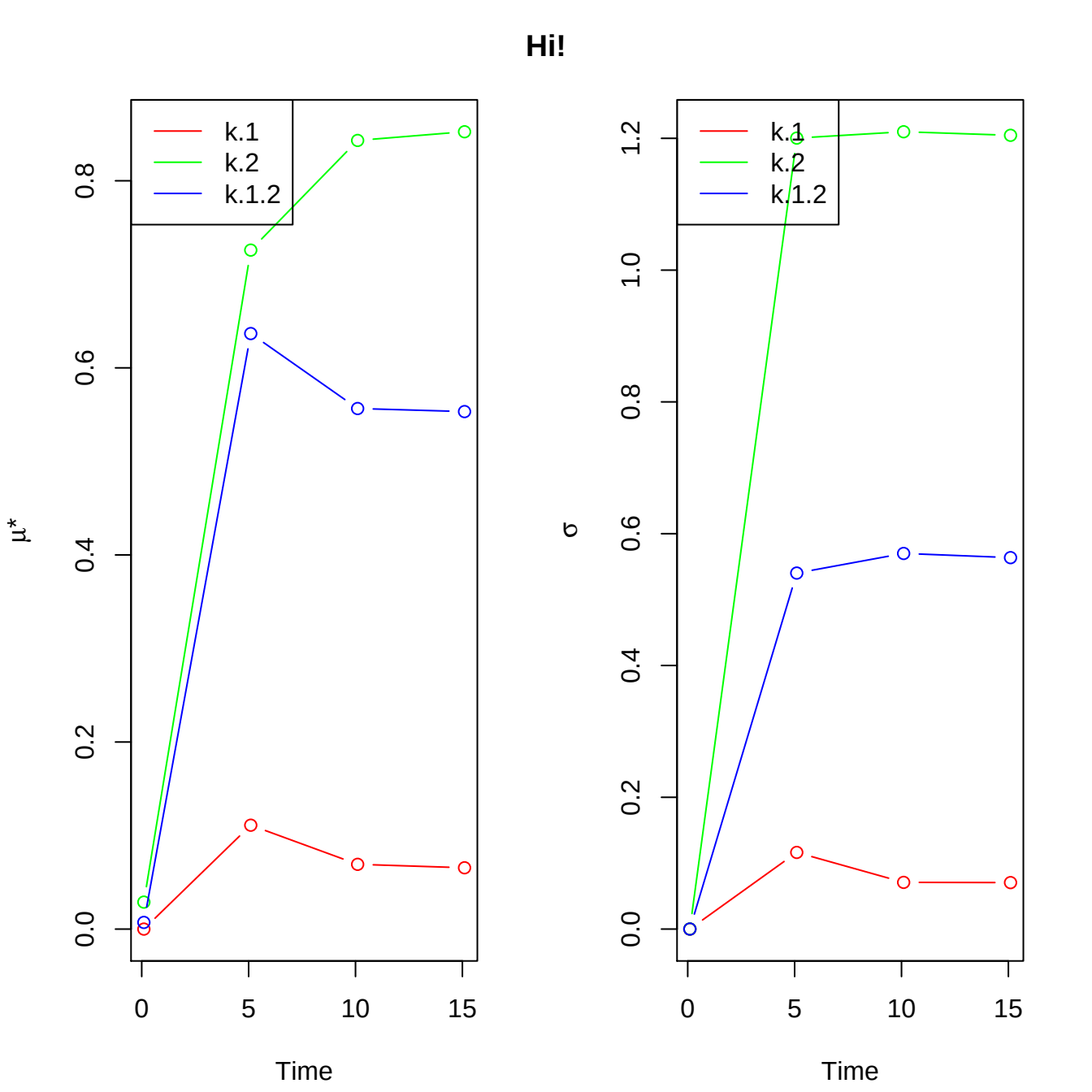

Morris Screening for State Variable "x.1": Trajectories
σ
0.0
0.1
0.2
0.3
0.4
0.5
0.00
0.05
0.10
0.15
0.20
0.25
0.30
μ*
k.1
k.2
k.1.2

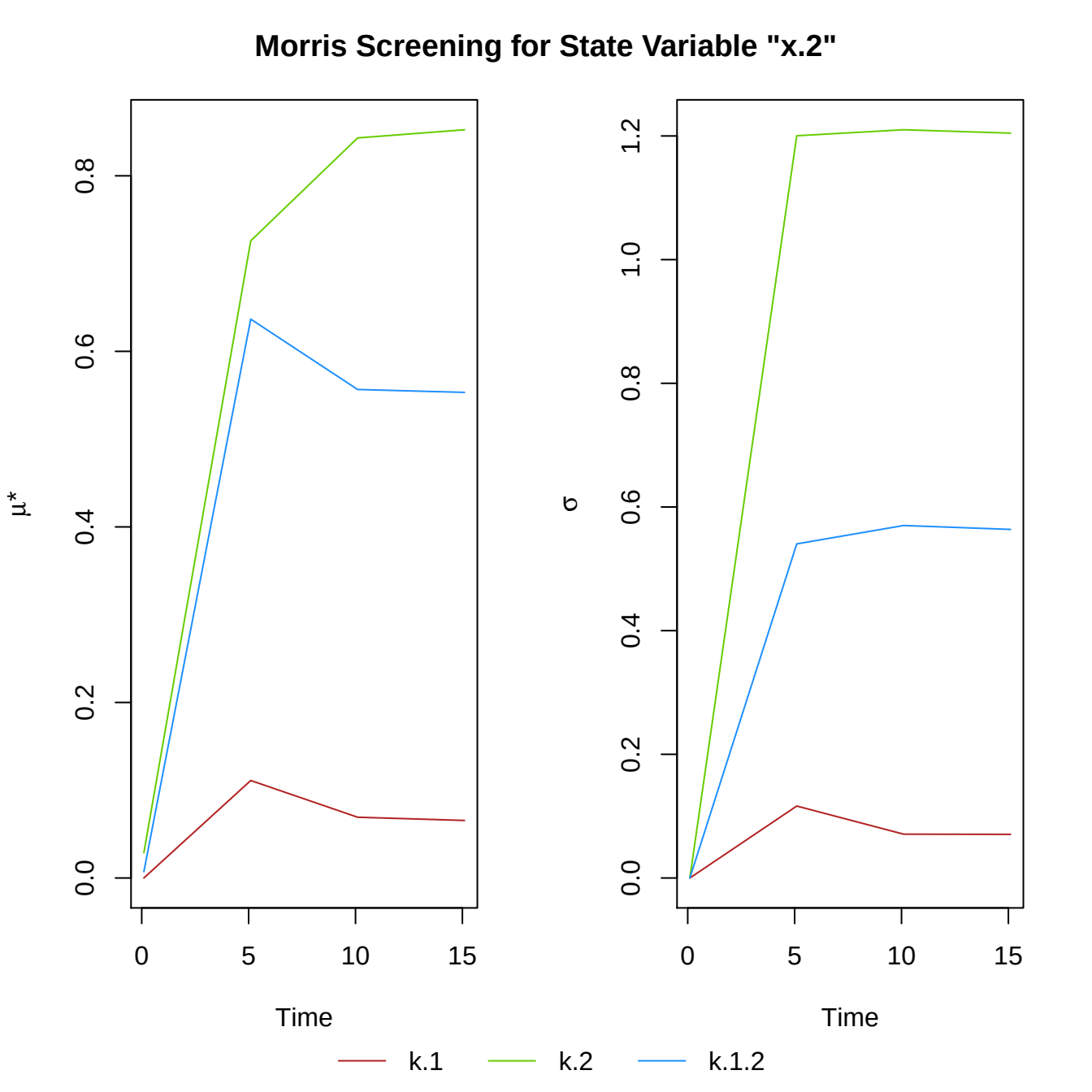

Morris Screening for State Variable "x.1": Trajectories
σ
0.2
0.3
0.4
0.5
0.15
0.20
0.25
μ*
k.1
k.2
k.1.2

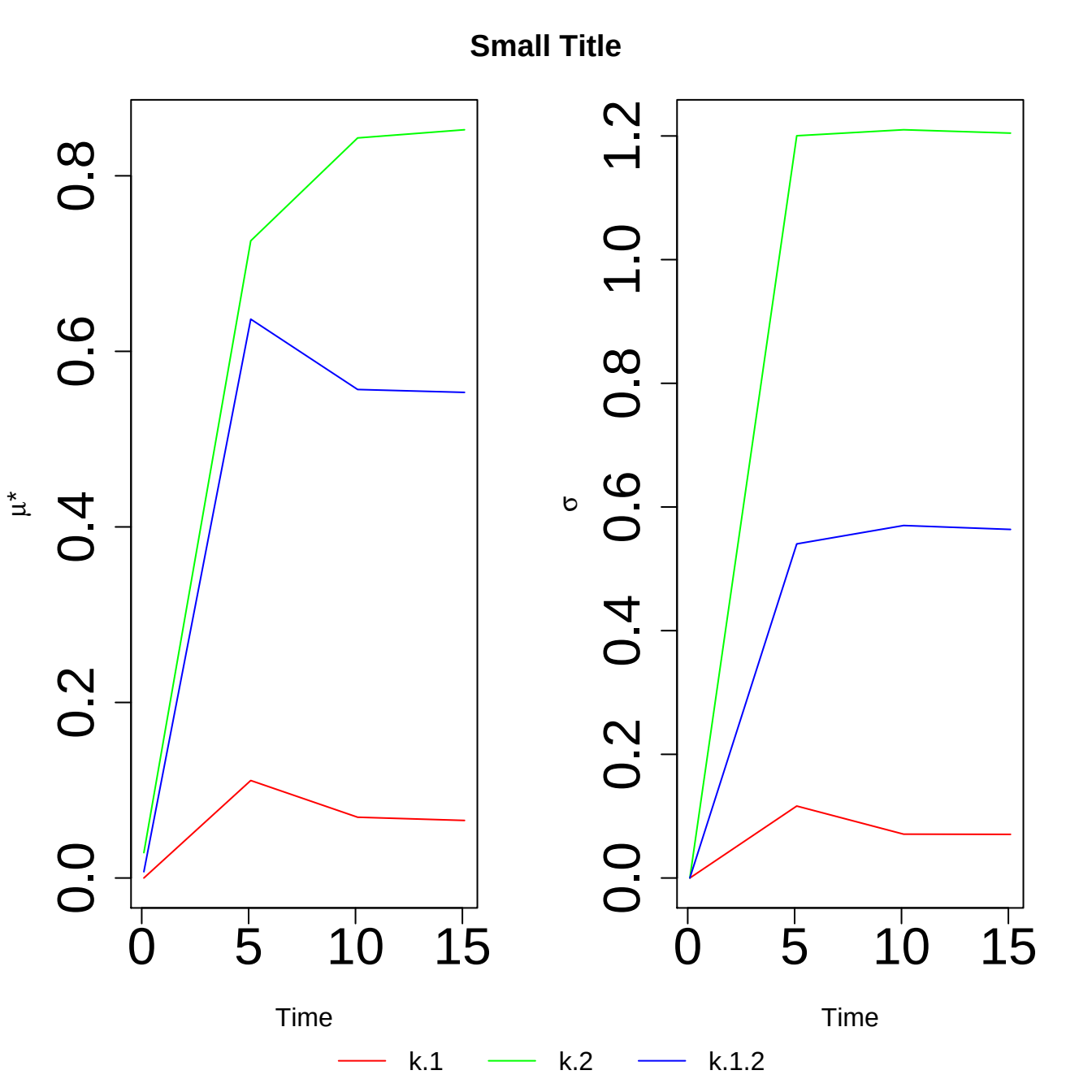

Morris Screening for State Variable "x.1": Trajectories
σ
0.10
0.12
0.14
0.16
0.18
0.20
0.22
0.25
0.30
0.35
0.40
0.45
0.50
μ*
k.1

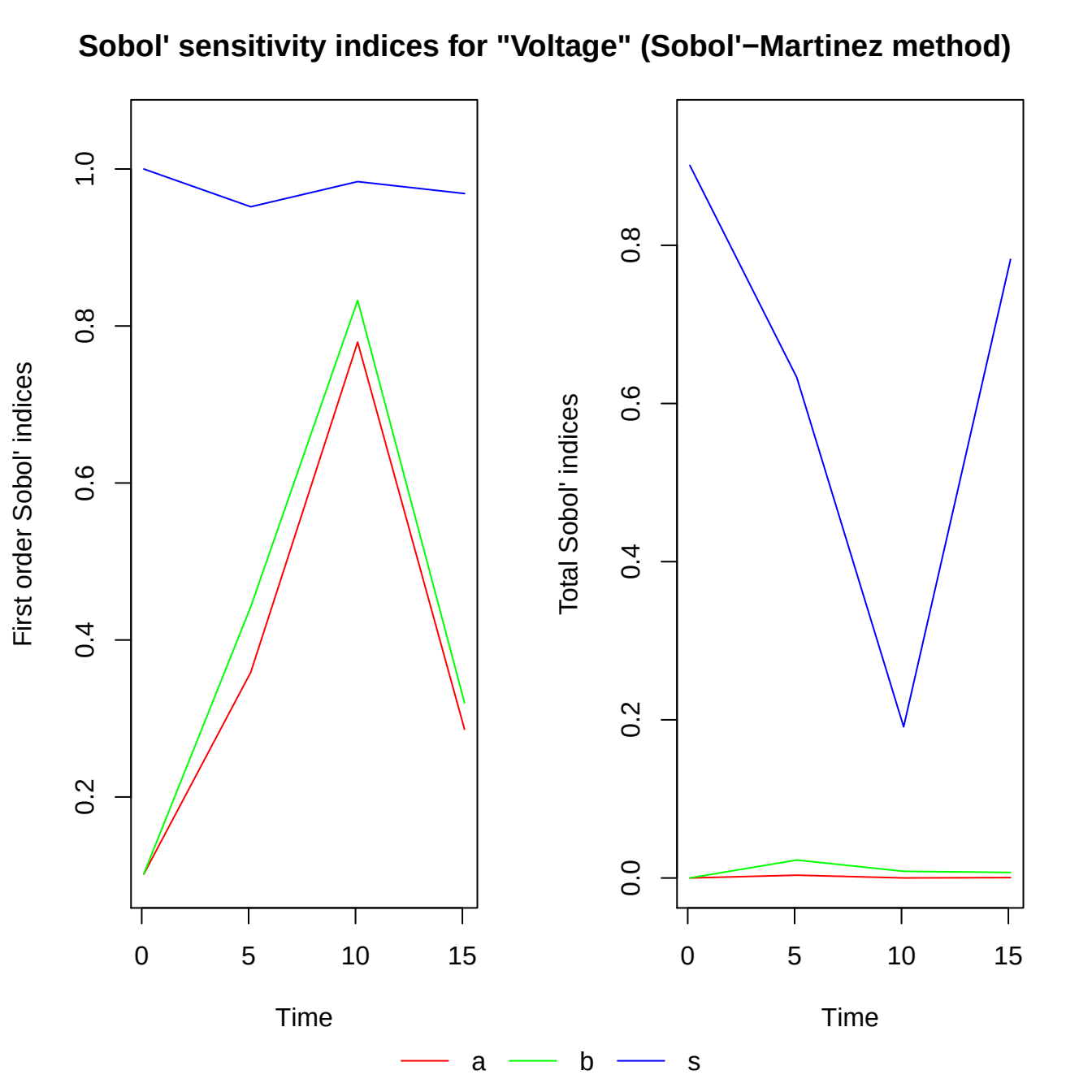

Morris Screening for State Variable "x.1": Trajectories
σ
0.0
0.1
0.2
0.3
0.4
0.5
0.00
0.05
0.10
0.15
0.20
0.25
0.30
μ*
k.1
k.2
k.1.2

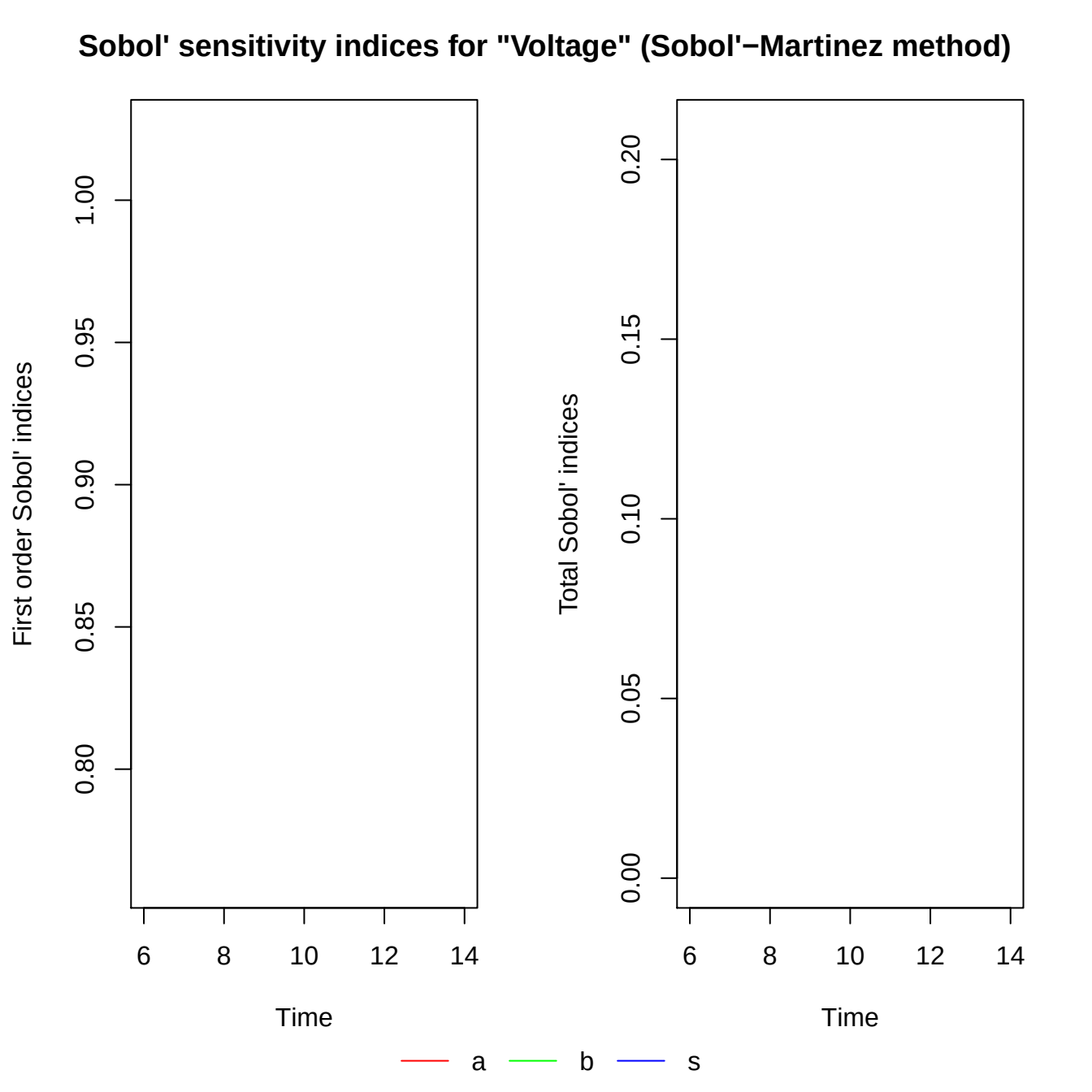

Morris Screening for State Variable "x.1": Trajectories
σ
0.0
0.5
1.0
1.5
2.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
μ*
k.1
k.2
k.1.2

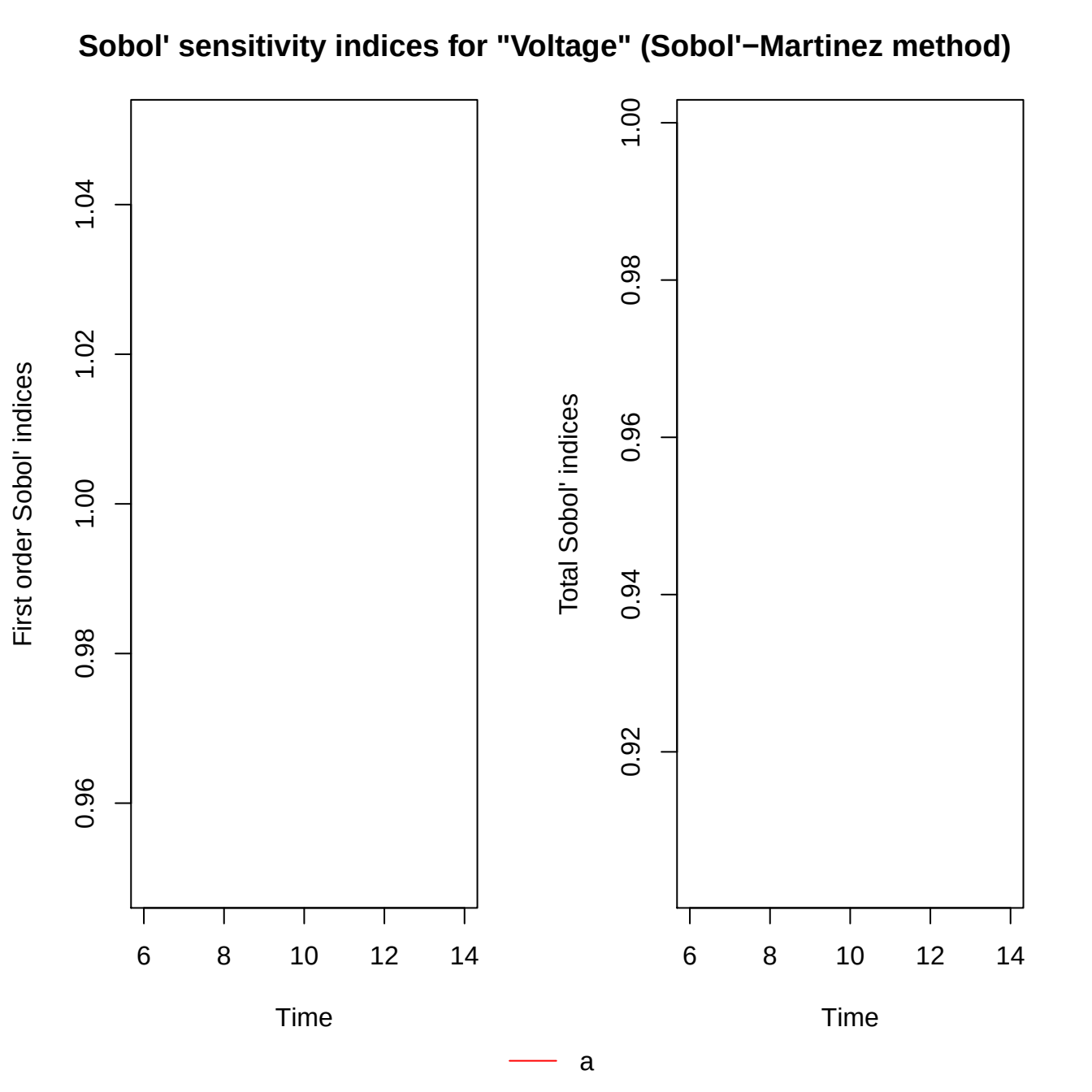

Hi!
k.1
k.2
k.1.2
μ*
0.0
0.2
0.4
0.6
0.8
0
5
10
15
Time
σ
1.0
1.2

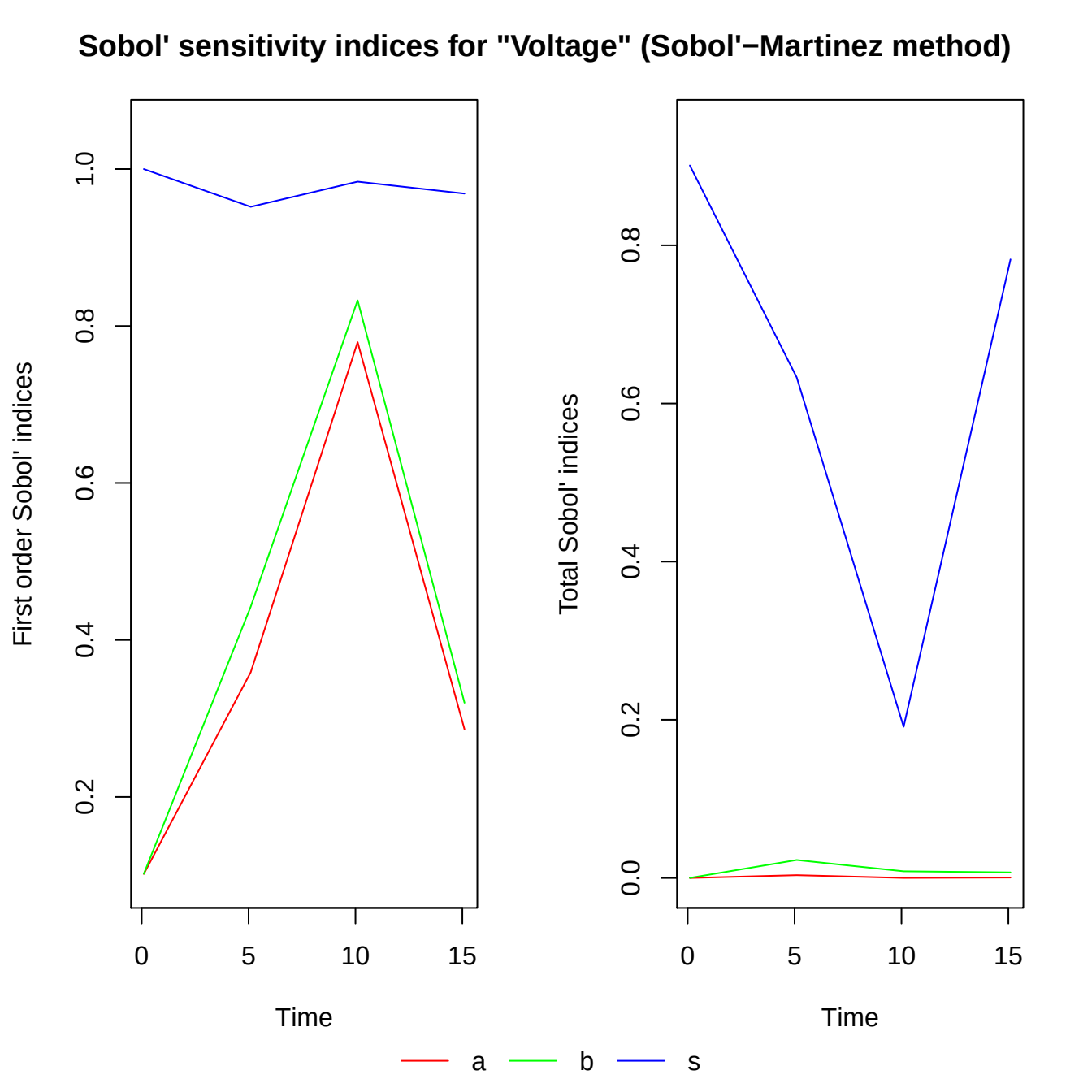

Morris Screening for State Variable "x.2"
μ*
0.0
0.2
0.4
0.6
0.8
0
5
10
15
Time
σ
0.0
0.2
0.4
0.6
0.8
1.0
1.2
0
5
10
15
Time
k.1
k.2
k.1.2

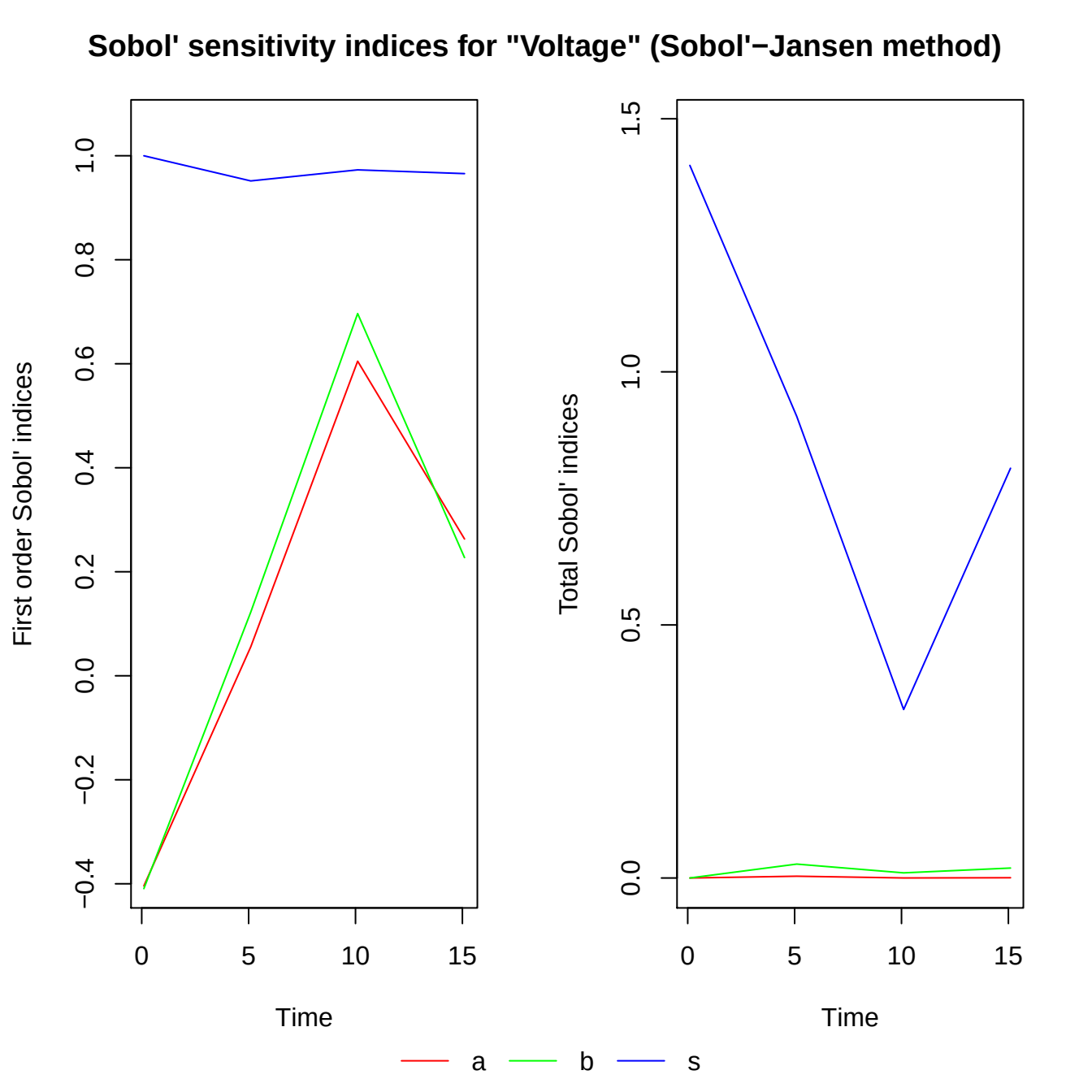

Small Title
μ*
0.0
0.2
0.4
0.6
0.8
0
5
10
15
Time
σ
0.0
0.2
0.4
0.6
0.8
1.0
1.2
0
5
10
15
Time
k.1
k.2
k.1.2

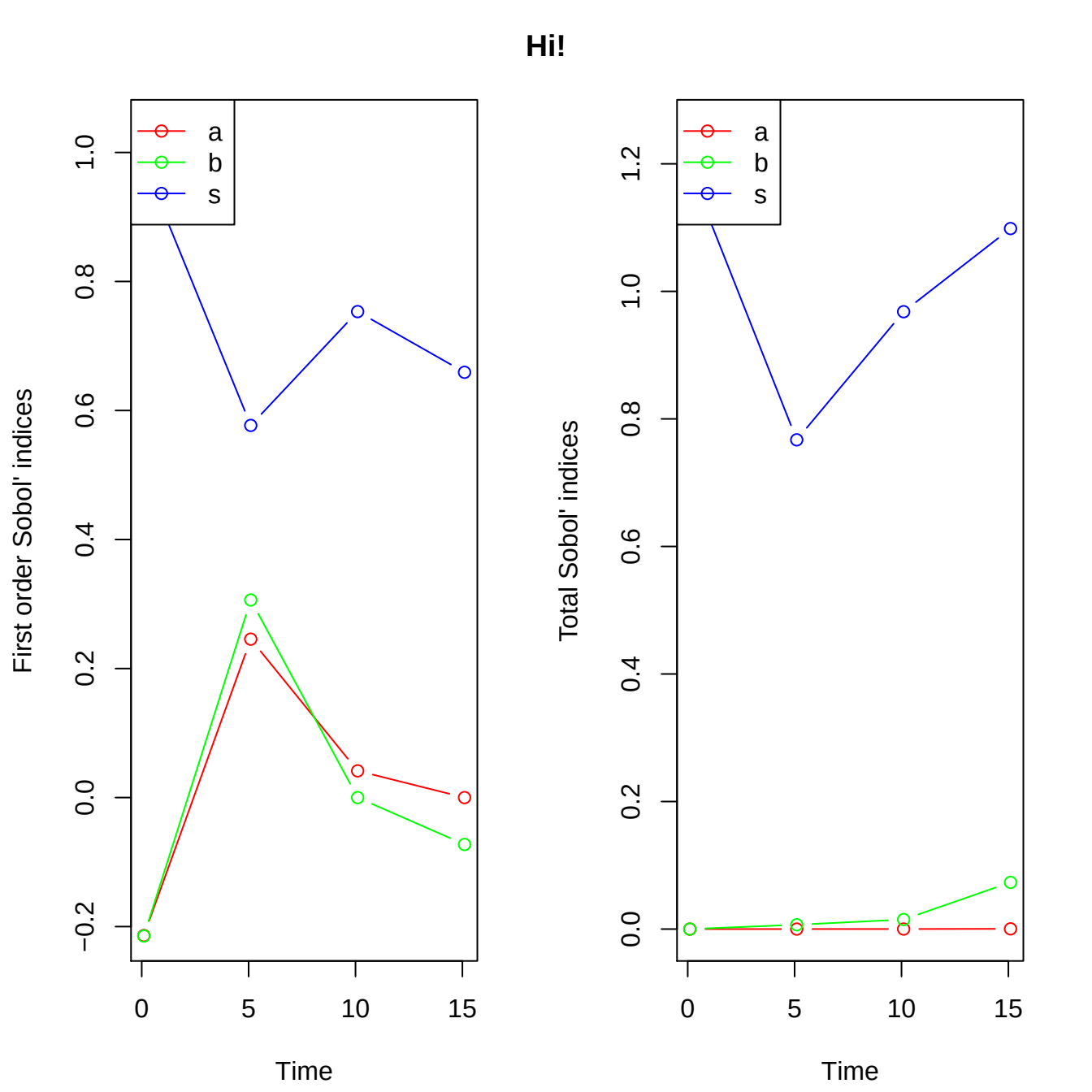

Sobol' sensitivity indices for "Voltage" (Sobol'−Martinez method)
First order Sobol' indices
Total Sobol' indices
Time
Time
0
5
10
15
0.0
0.2
0.4
0.6
0.8
1.0
a
b
s


Sobol' sensitivity indices for "Voltage" (Sobol'−Martinez method)
First order Sobol' indices
1.00
0.95
0.90
0.85
0.80
6
8
10
12
14
Time
Total Sobol' indices
0.20
0.15
0.10
0.05
0.00
6
8
10
12
14
Time
a
b
s

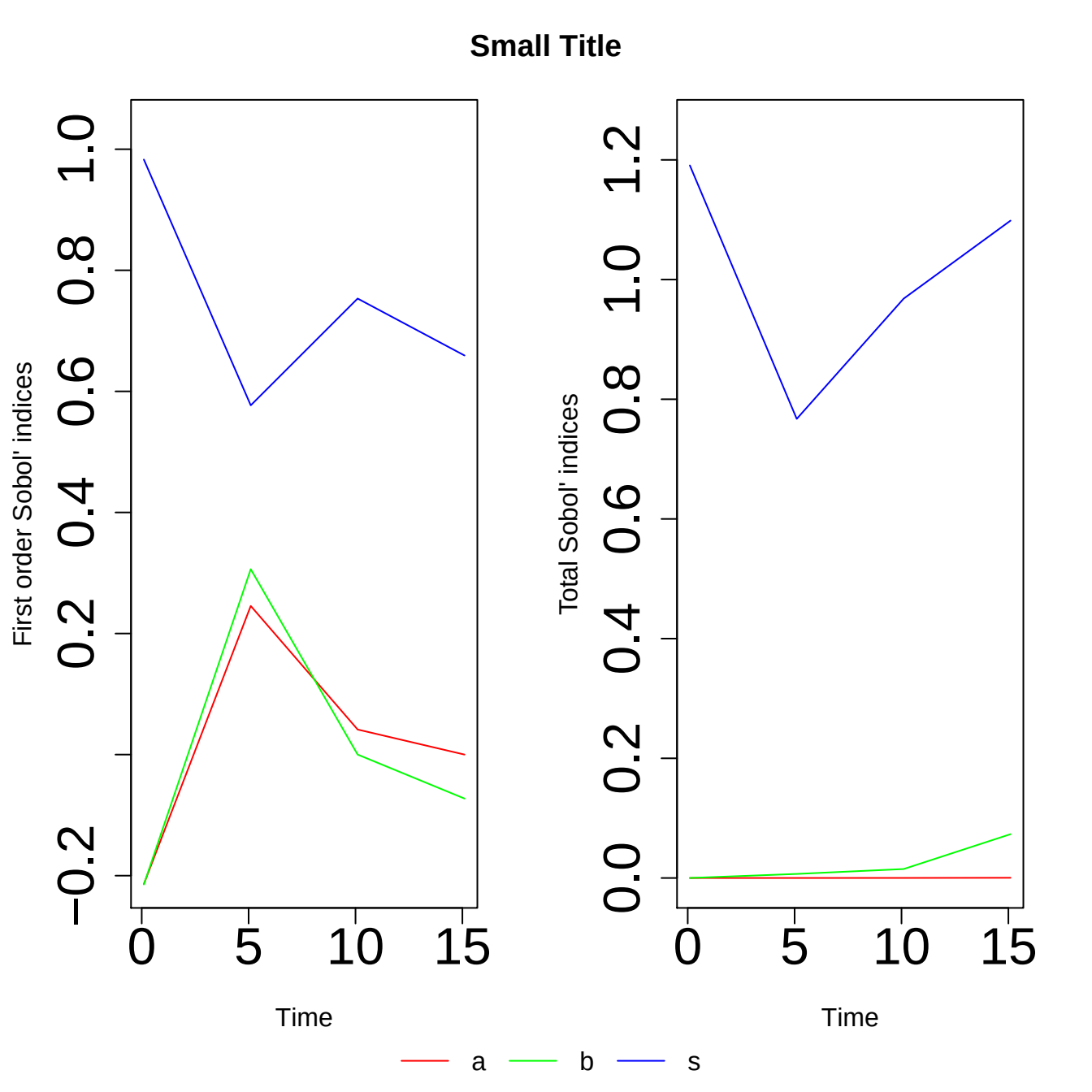

Sobol' sensitivity indices for "Voltage" (Sobol'−Martinez method)
First order Sobol' indices
0.96
0.98
1.00
1.02
1.04
6
8
10
12
14
Time
Total Sobol' indices
0.92
0.94
0.96
0.98
1.00
6
8
10
12
14
Time
a

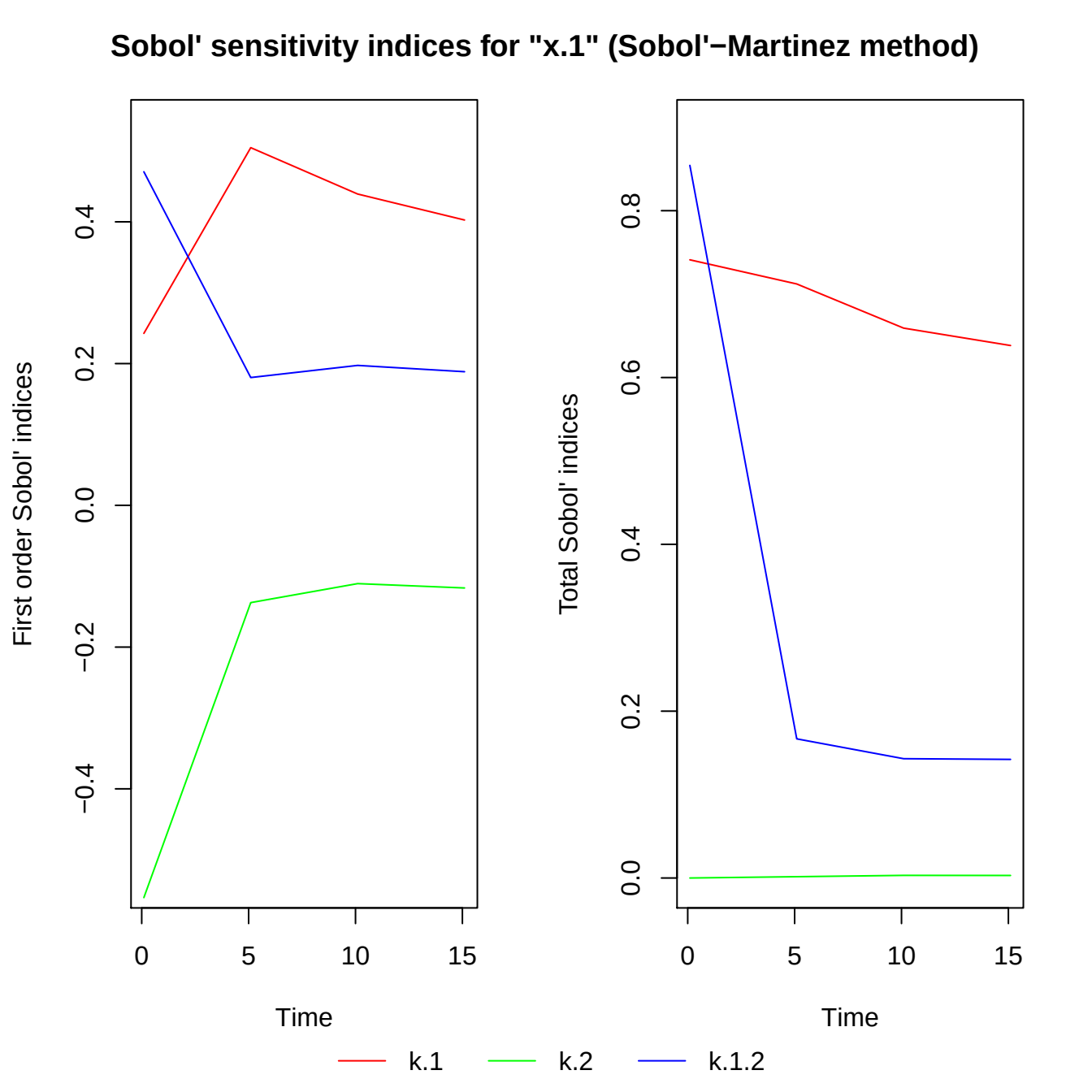

Sobol' sensitivity indices for "Voltage" (Sobol'−Martinez method)
First order Sobol' indices
Total Sobol' indices
Time
Time
0
5
10
15
0.0
0.2
0.4
0.6
0.8
1.0
a
b
s

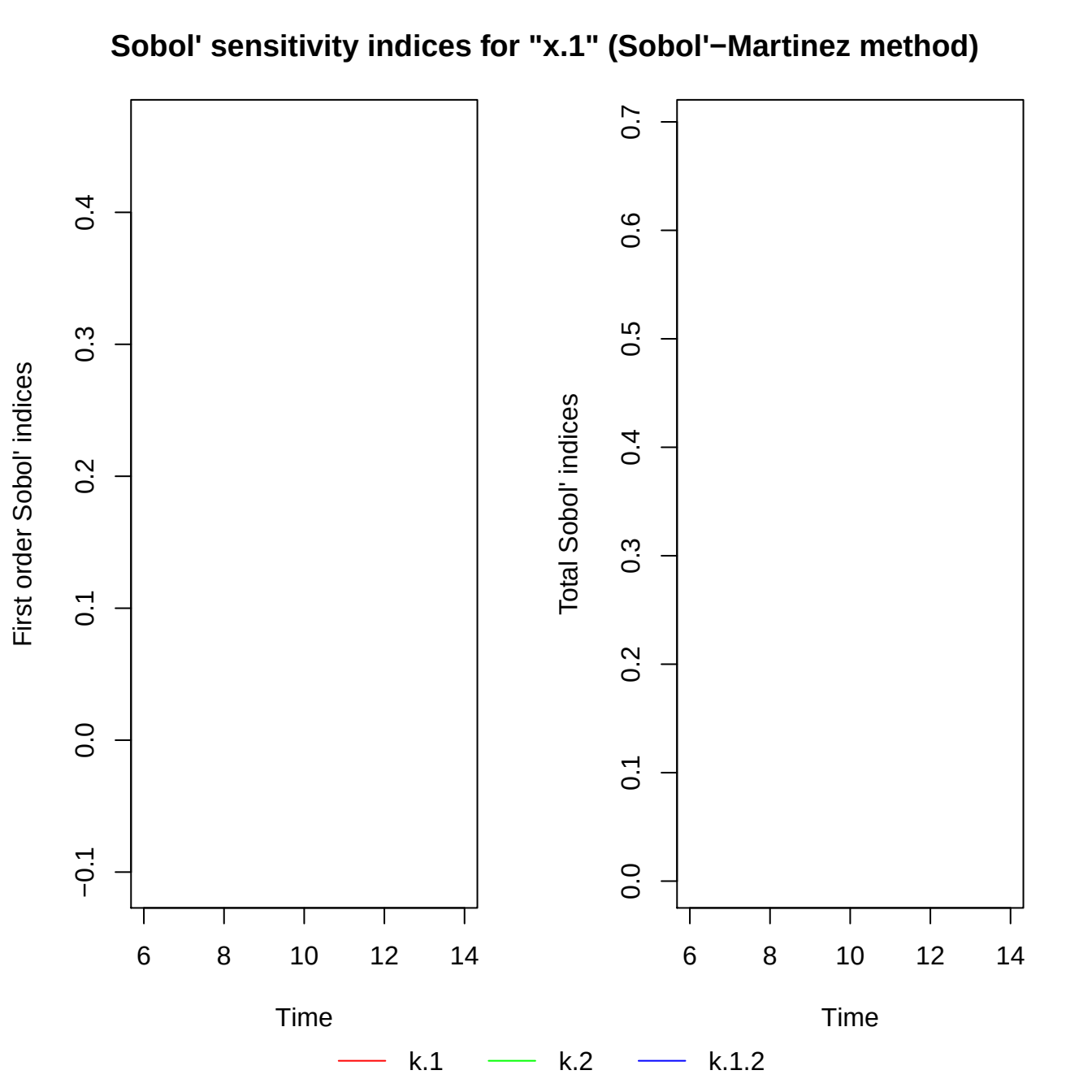

Sobol' sensitivity indices for "Voltage" (Sobol'−Jansen method)
First order Sobol' indices
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
0
5
10
15
Time
Total Sobol' indices
1.5
1.0
0.5
0.0
0
5
10
15
Time
a
b
s

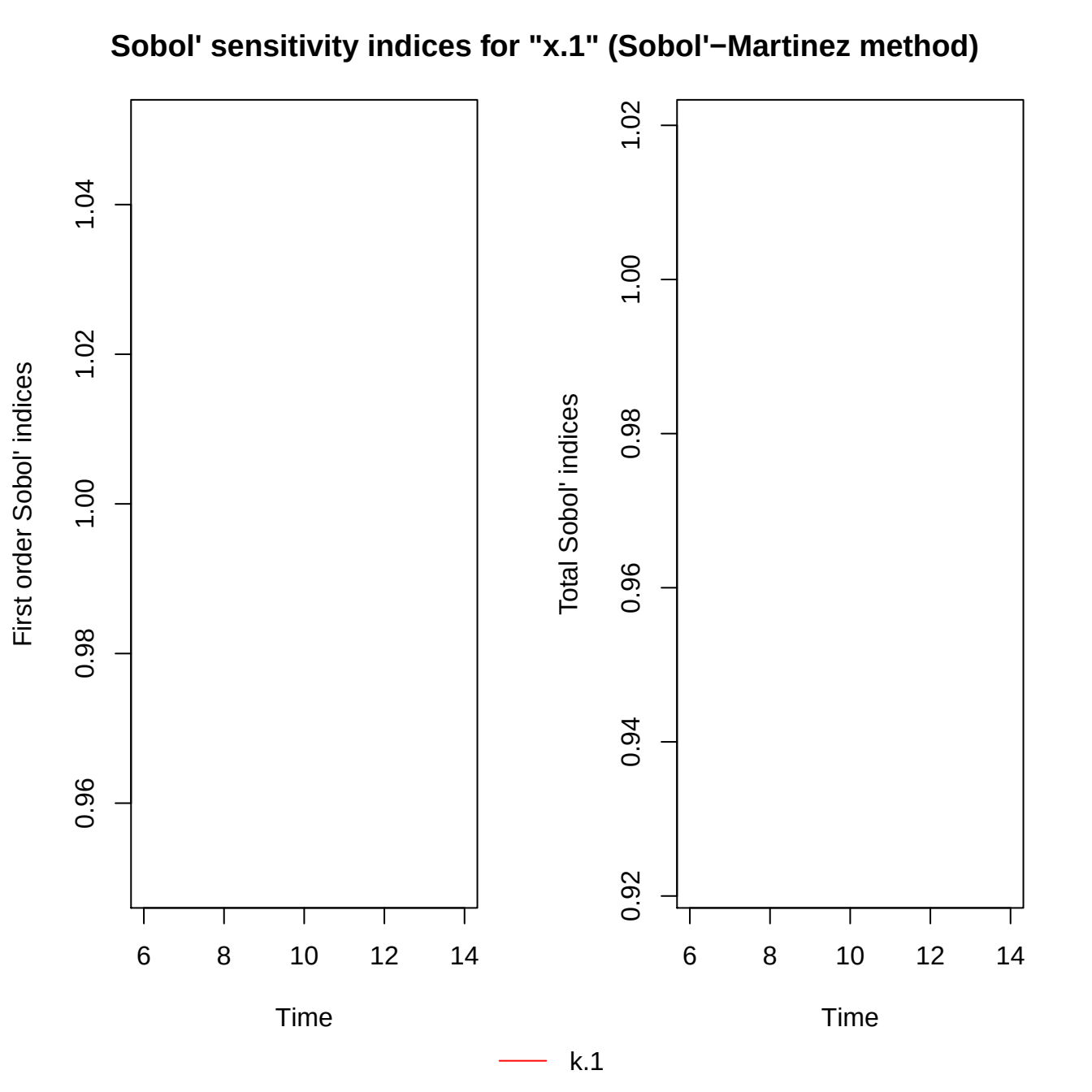

Hi!
First order Sobol' indices
Total Sobol' indices
Time
Time
a
b
s
a
b
s
−0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
0
5
10
15

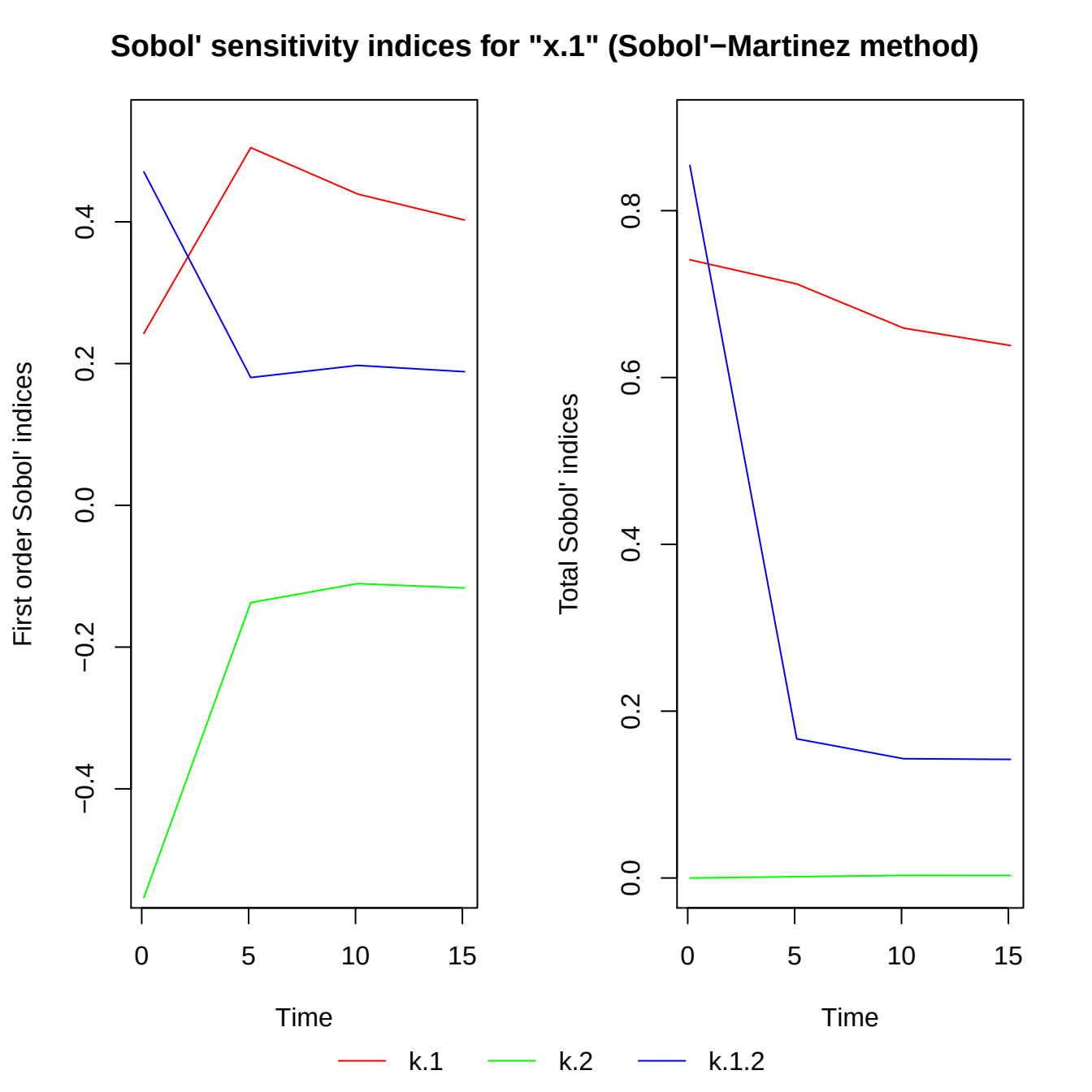
Sobol' sensitivity indices for "Current" (Sobol'−Martinez method)
First order Sobol' indices
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
0
5
10
15
Time
Total Sobol' indices
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
Time
a
b
s

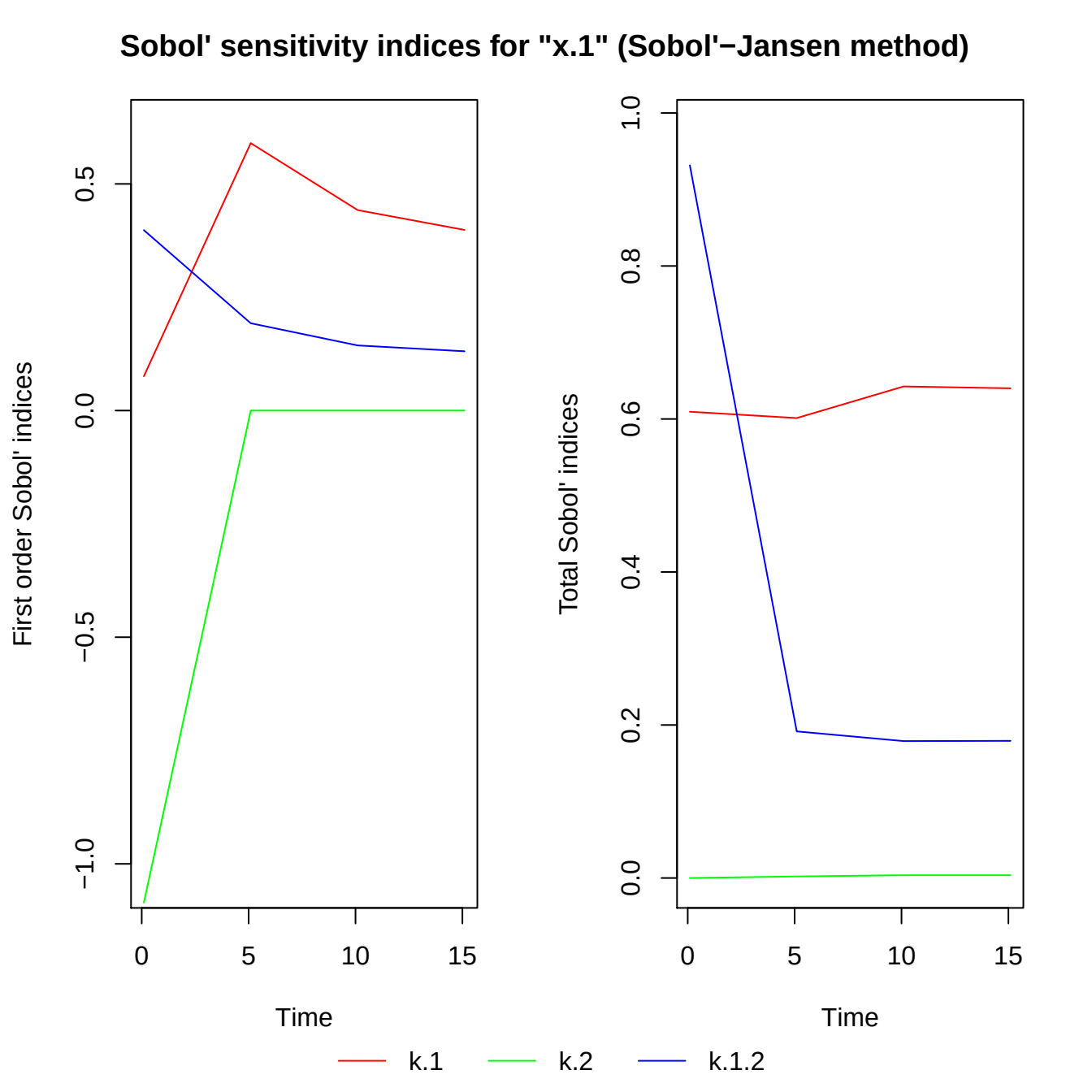

Small Title
First order Sobol' indices
−0.2
0.2
0.4
0.6
0.8
1.0
0
5
10
15
Time
Total Sobol' indices
0.0
0.2
0.4
0.6
0.8
1.0
1.2
0
5
10
15
Time
a
b
s

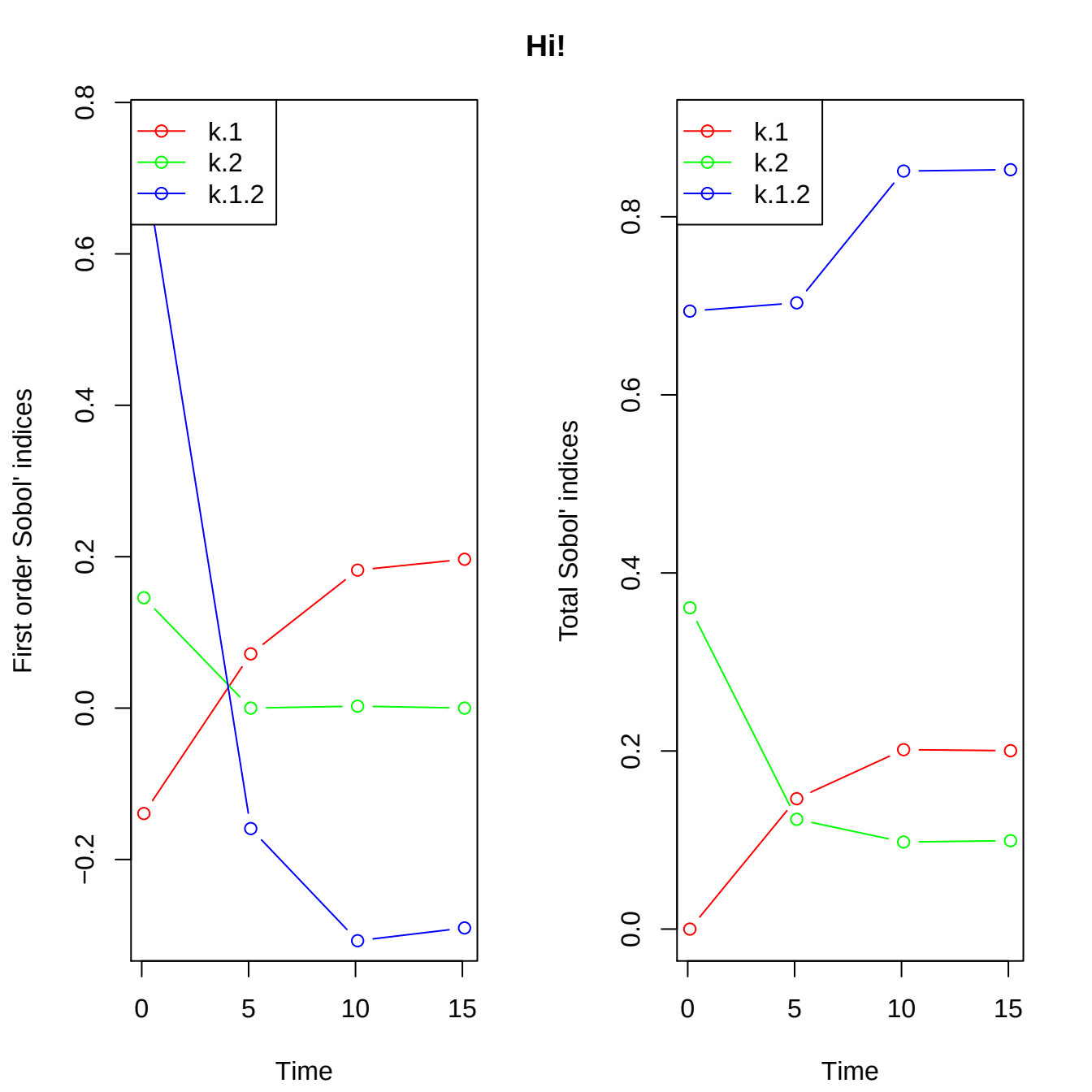

Sobol' sensitivity indices for "x.1" (Sobol'−Martinez method)
First order Sobol' indices
0.4
0.2
0.0
−0.2
−0.4
0
5
10
15
Time
Total Sobol' indices
0.8
0.6
0.4
0.2
0.0
0
5
10
15
Time
k.1
k.2
k.1.2

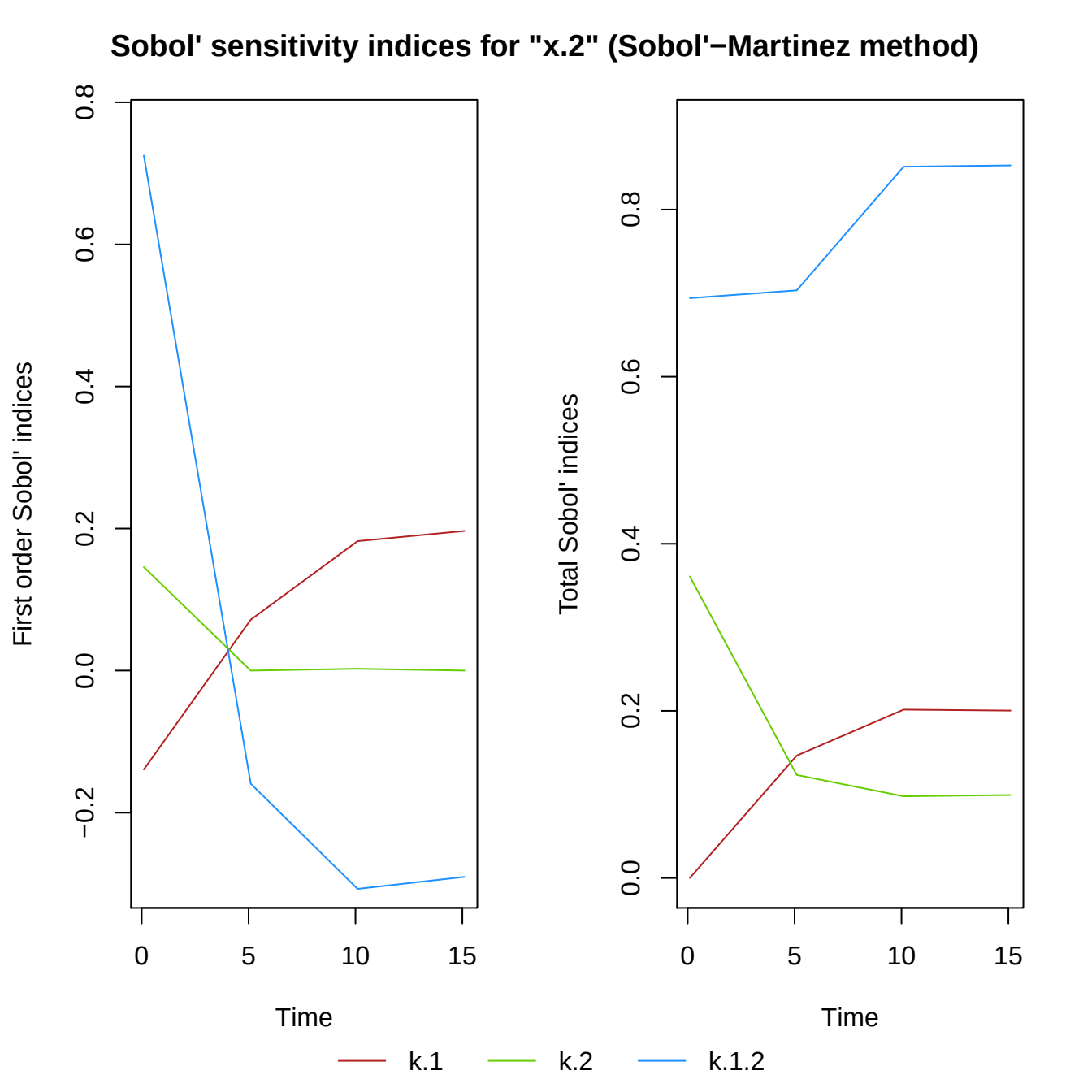

Sobol' sensitivity indices for "x.1" (Sobol'−Martinez method)
First order Sobol' indices
−0.1
0.0
0.1
0.2
0.3
0.4
6
8
10
12
14
Time
Total Sobol' indices
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
6
8
10
12
14
Time
k.1
k.2
k.1.2

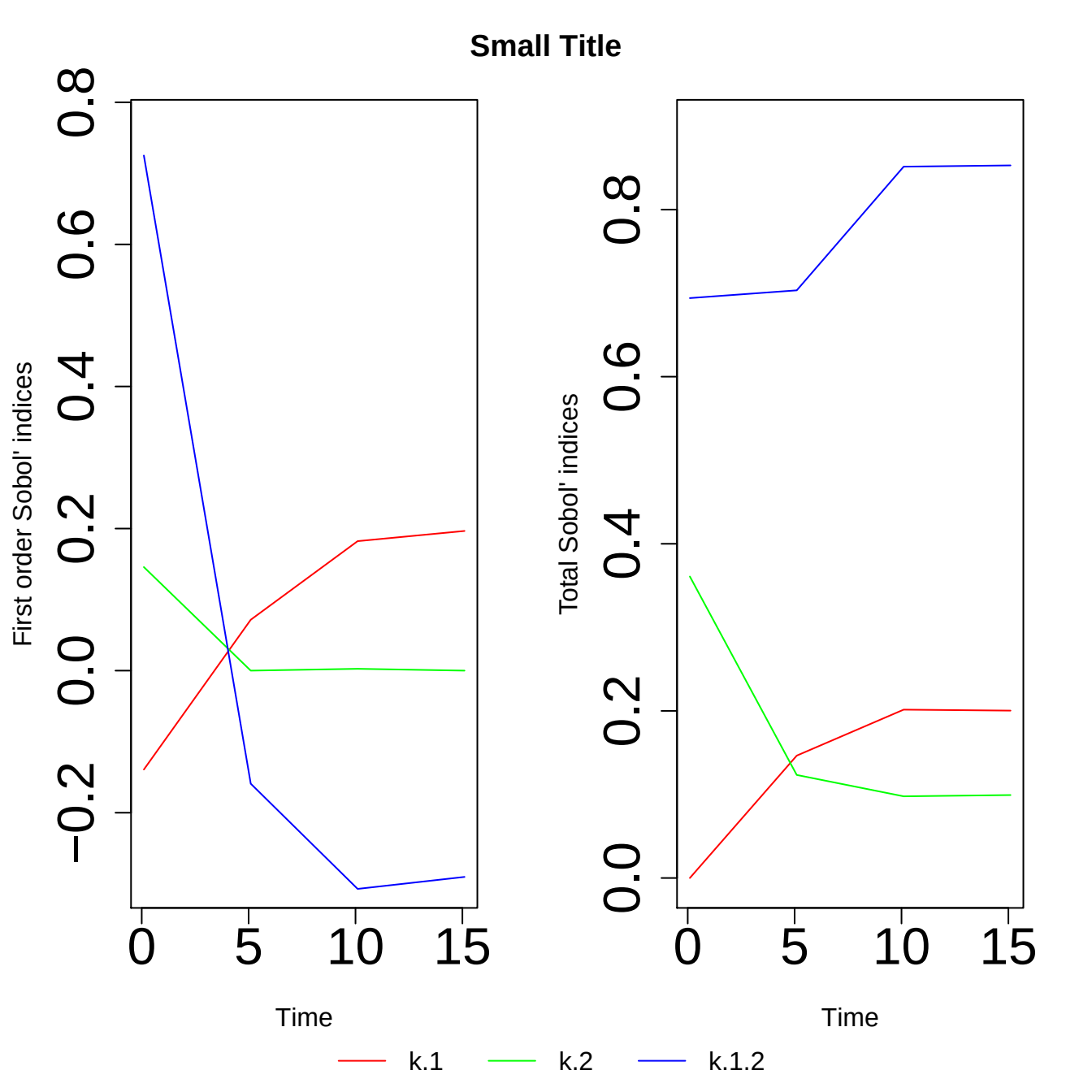

Sobol' sensitivity indices for "x.1" (Sobol'−Martinez method)
First order Sobol' indices
0.96
0.98
1.00
1.02
1.04
6
8
10
12
14
Time
Total Sobol' indices
0.92
0.94
0.96
0.98
1.00
1.02
6
8
10
12
14
Time
k.1


Sobol' sensitivity indices for "x.1" (Sobol'−Martinez method)
First order Sobol' indices
0.4
0.2
0.0
−0.2
−0.4
0
5
10
15
Time
Total Sobol' indices
0.8
0.6
0.4
0.2
0.0
0
5
10
15
Time
k.1
k.2
k.1.2


Sobol' sensitivity indices for "x.1" (Sobol'−Jansen method)
First order Sobol' indices
0.5
0.0
−0.5
−1.0
0
5
10
15
Time
Total Sobol' indices
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
Time
k.1
k.2
k.1.2


Hi!
First order Sobol' indices
Total Sobol' indices
k.1
k.2
k.1.2
0.8
0.6
0.4
0.2
0.0
−0.2
0
5
10
15
Time


Sobol' sensitivity indices for "x.2" (Sobol'−Martinez method)
First order Sobol' indices
Total Sobol' indices
0.8
0.6
0.4
0.2
0.0
−0.2
0
5
10
15
Time
k.1
k.2
k.1.2


Small Title
First order Sobol' indices
Total Sobol' indices
Time
Time
k.1
k.2
k.1.2