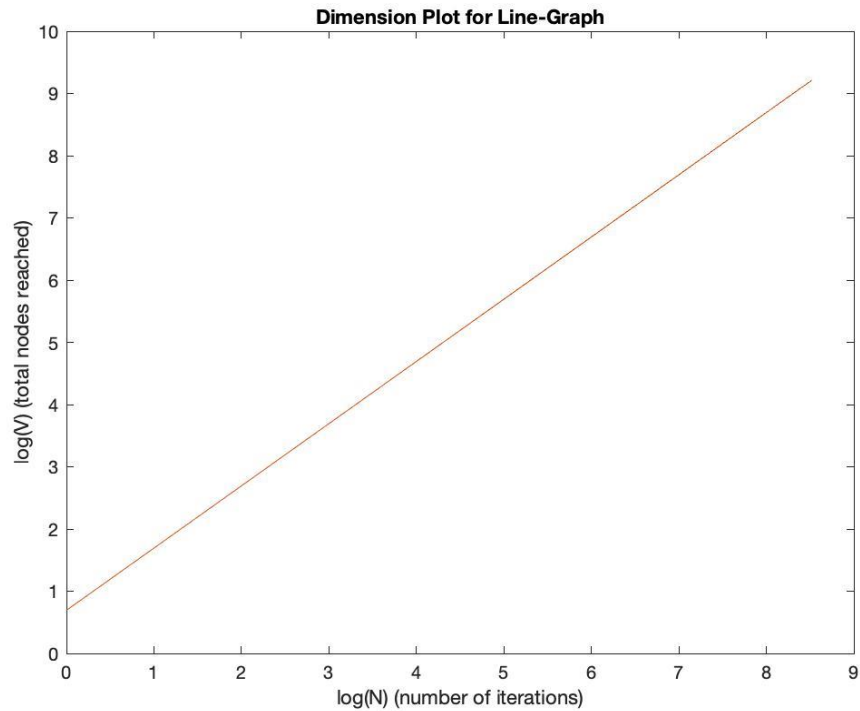


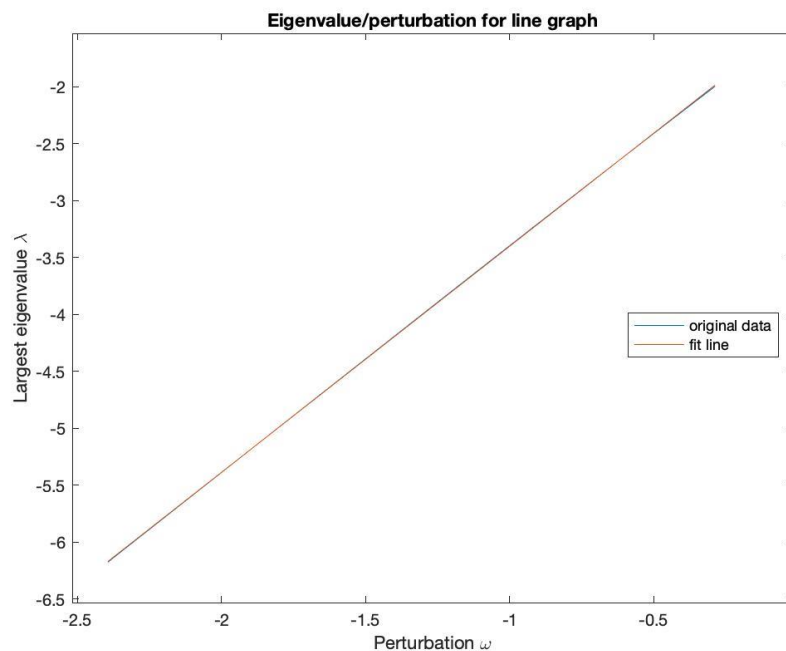
1-D ring (N=10000):

- starting node: 5000
- dimension: 1.000
- constant of dimension plot: 0.6931



- perturbed node: 5000
- eigendimension: 1.987
- eigenconstant: -0.7826

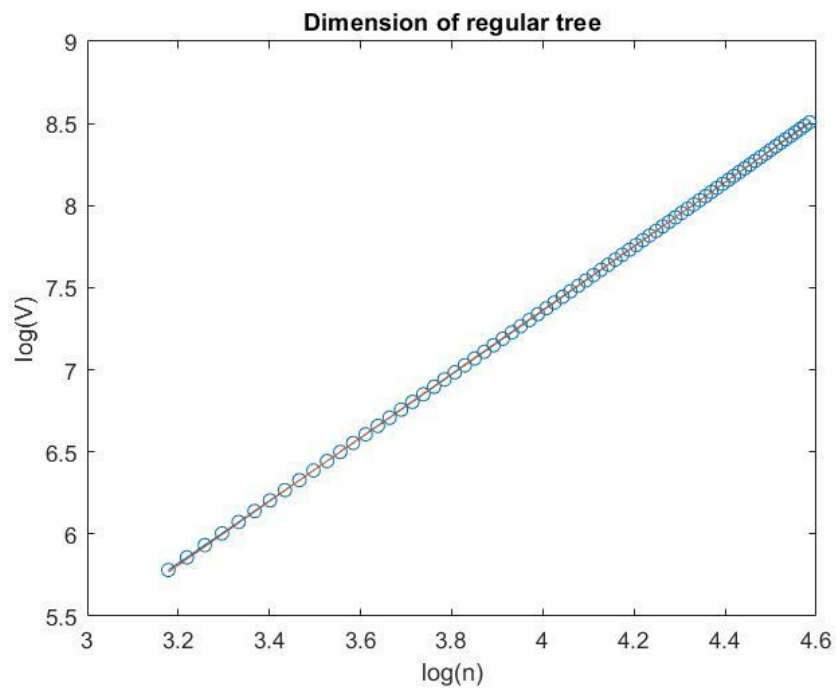
omega: [0.75; 0.6750; 0.6075; 0.4921; 0.4429; 0.3986; 0.3587; 0.3229; 0.2906; 0.2615; 0.2354; 0.2118; 0.1906; 0.1716; 0.1544; 0.1390; 0.1251; 0.1126; 0.1013; 0.0912]



2-D Lattice (N=10000)

starting node = 1

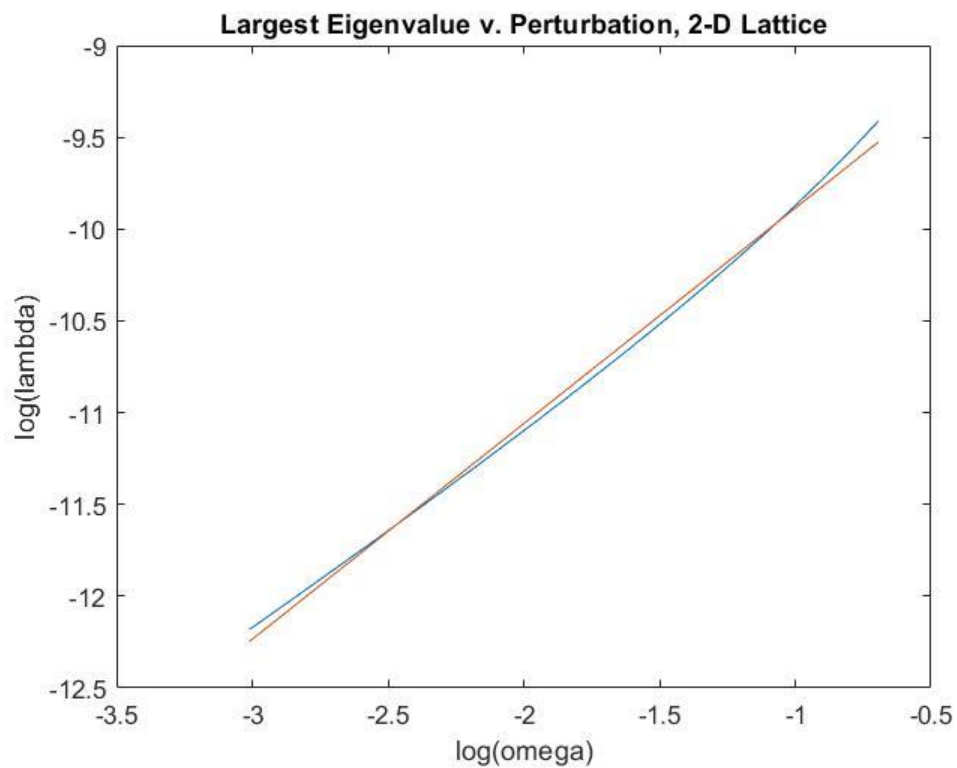
dim : 1.9426



node perturbed = 5050

omega values = 0.05 : 0.5

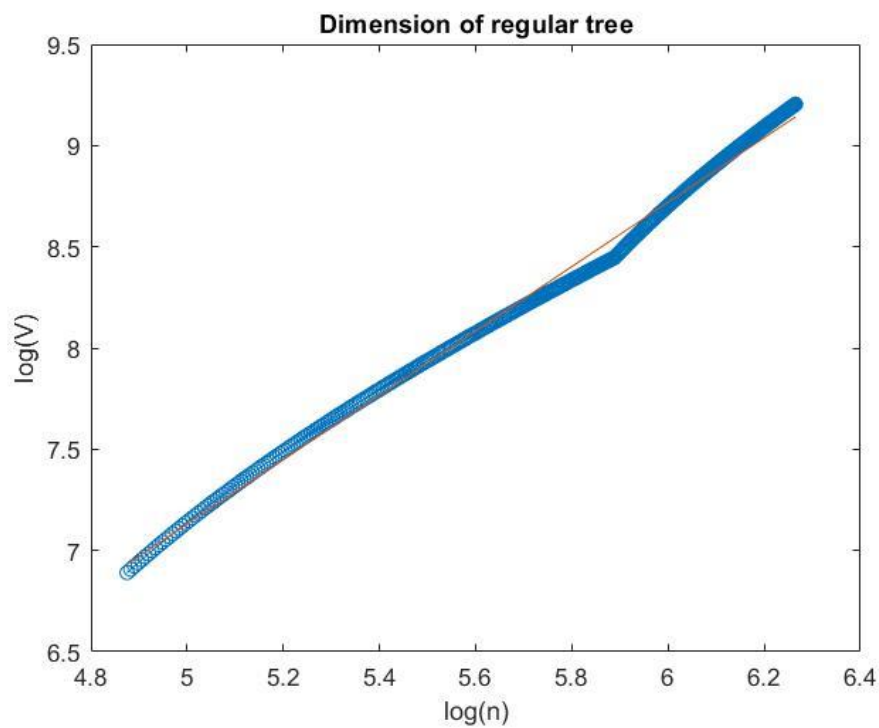
dim from eig : 0.2971 (slope of 1.1744)



Regular Tree, $m = 3$, $\text{split} = 2$, ($N = 10,000$)

starting node = 1

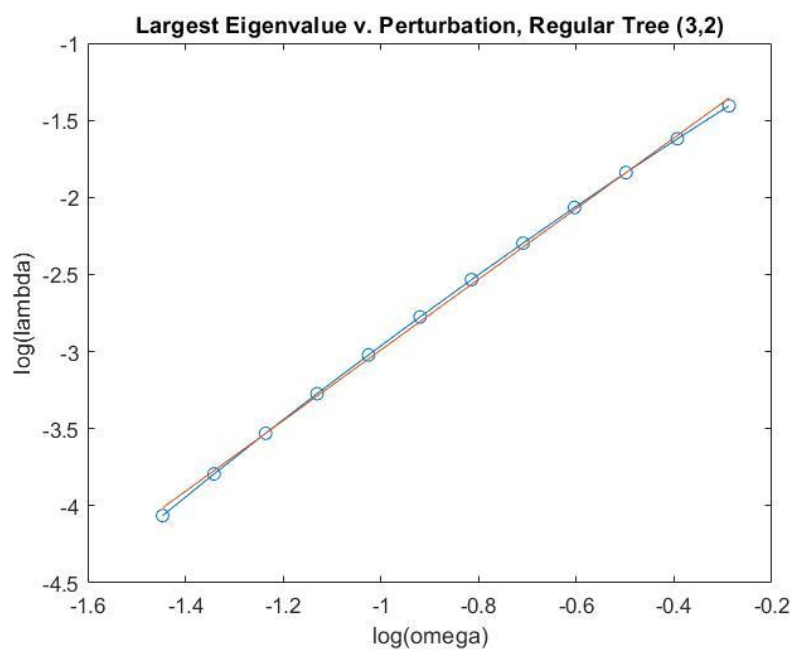
dim : 1.5899



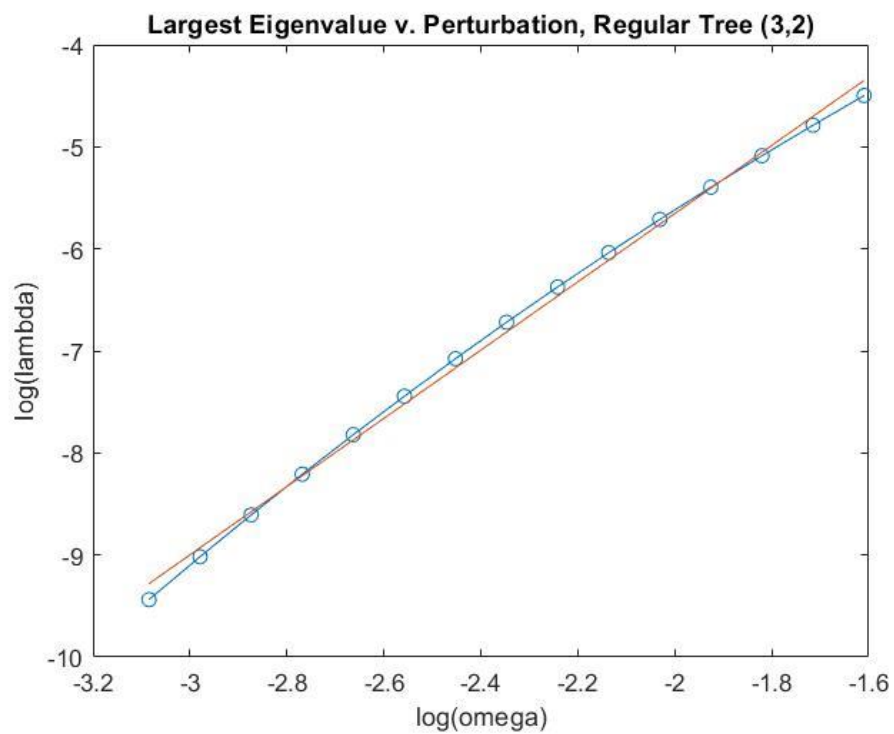
node perturbed = 1

omega values = $1/4 : 3/4$

dim from eig : 1.1278 (slope of 2.293)

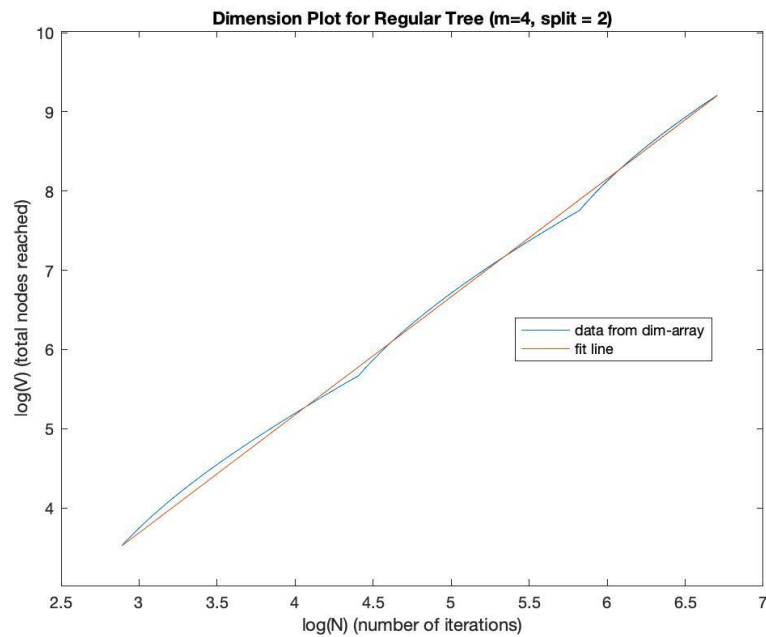


node perturbed = 1
omega values = 0.05 : 0.2
dim from eig : 1.4 (slope of 3.344)



Graph: Regular tree ($N=10000$, $m=4$, split = 2)

- starting node: 1
- dimension: 1.4896
- constant of dimension plot: -0.7826



- perturbed node: 1
- eigendimension: 2.3678
- eigenconstant: -0.3489

omega: [0.75; 0.6750; 0.6075; 0.4921; 0.4429; 0.3986; 0.3587; 0.3229; 0.2906; 0.2615; 0.2354; 0.2118; 0.1906; 0.1716; 0.1544; 0.1390; 0.1251; 0.1126; 0.1013; 0.0912]

