REPORT

Studying effect of varying radius and number of neurons

Case 1: One 4-dimensional pool of neurons

Vector A = (0.1,0.2) Vector B=(0.5,0.3) Desired product = 0.11 (Marked in a black line)

Case 2: Two 2-dimensional pools

Vector A=(0.4 ,0.5) Vector B=(0.4,0.5) Desired Product = 0.4(Marked as a black line)

Other parameters:

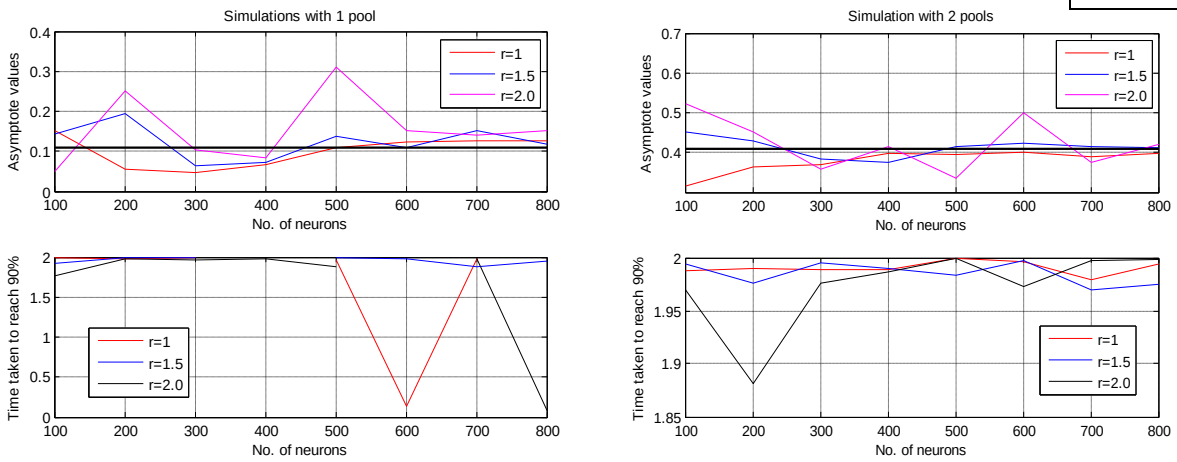
TauRC=0.02

TauRef=0.002

TauPSC=0.05

Maxrate=200

Minrate = 100



Studying effect of varying difference between maximum and minimum spike rate in a pool

Case 1: One 4-dimensional pool of neurons

Vector A = (0.1,0.2) Vector B=(0.5,0.3) Desired product = 0.11 (Marked in a black line)

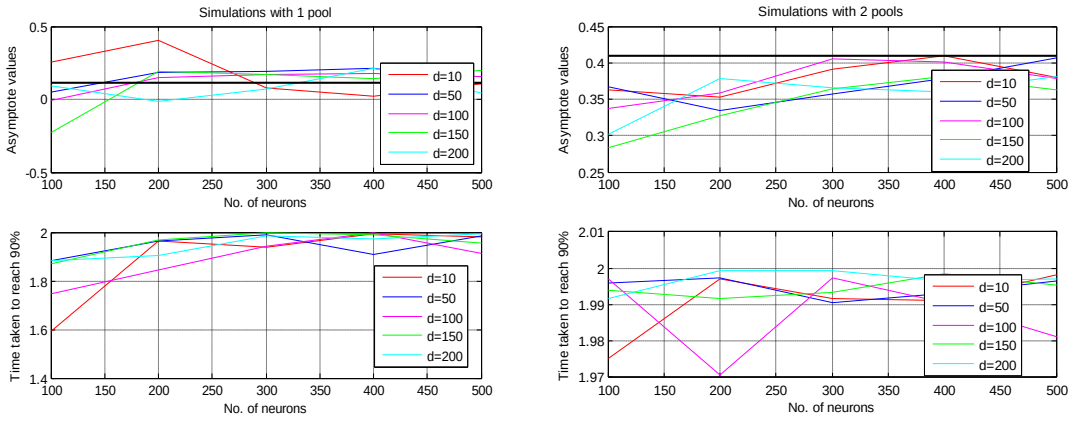
Case 2: Two 2-dimensional pools

Vector A=(0.4 ,0.5) Vector B=(0.4,0.5) Desired Product = 0.4(Marked as a black line)

Other parameters:

TauRC=0.02

TauRef=0.002

TauPSC=0.05

Radius=2.0