Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=50

0.1.1 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
15 534.00	18 266.00
33 602.00	198.00
56 844.00	356.00
81 206.00	294.00
105 280.00	320.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
33 800.00	198.00
57 200.00	356.00
81 500.00	294.00
105 600.00	320.00
"AvgPosConf	0.29"
"MaxPosConf	0.83"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
5180.00	10 020.00
27 020.00	220.00
49 974.00	23 174.00
74 062.00	362.00
117 642.00	43 942.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
15 200.00	10 020.00
15 300.00	10 120.00
26 800.00	220.00
73 700.00	362.00
"AvgPosConf	0.44"
"MaxPosConf	0.71"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=100

0.1.1 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
15 534.00	366.00
33 602.00	298.00
56 844.00	356.00
81 206.00	294.00
105 280.00	320.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
15 900.00	366.00
33 900.00	298.00
57 200.00	356.00
81 500.00	294.00
105 600.00	320.00
"AvgPosConf	0.55"
"MaxPosConf	0.96"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
5180.00	10 020.00
27 020.00	220.00
49 974.00	174.00
74 062.00	262.00
117 642.00	43 842.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
15 200.00	10 020.00
15 300.00	10 120.00
26 800.00	220.00
49 800.00	174.00
73 800.00	262.00
"AvgPosConf	0.63"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=200

0.1.1 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
15 534.00	366.00
33 602.00	298.00
56 844.00	356.00
81 206.00	294.00
105 280.00	320.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
15 900.00	366.00
33 900.00	298.00
57 200.00	356.00
81 500.00	294.00
105 600.00	320.00
"AvgPosConf	0.80"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
5180.00	10 020.00
27 020.00	220.00
49 974.00	174.00
74 062.00	262.00
117 642.00	43 842.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
15 200.00	10 020.00
15 300.00	10 120.00
26 800.00	220.00
49 800.00	174.00
73 800.00	262.00
"AvgPosConf	0.79"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=500

0.1.1 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
15 534.00	366.00
33 602.00	298.00
56 844.00	356.00
81 206.00	294.00
105 280.00	320.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
15 900.00	366.00
33 900.00	298.00
57 200.00	356.00
81 500.00	294.00
105 600.00	320.00
"AvgPosConf	0.89"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
5180.00	10 020.00
27 020.00	220.00
49 974.00	174.00
74 062.00	262.00
117 642.00	43 842.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
15 200.00	10 020.00
15 300.00	10 120.00
26 800.00	220.00
49 800.00	174.00
73 800.00	262.00
"AvgPosConf	0.92"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=1000

0.1.1 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
15 534.00	366.00
33 602.00	298.00
56 844.00	356.00
81 206.00	294.00
105 280.00	320.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
15 900.00	366.00
33 900.00	298.00
57 200.00	356.00
81 500.00	294.00
105 600.00	320.00
"AvgPosConf	0.94"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
5180.00	10 020.00
27 020.00	220.00
49 974.00	174.00
74 062.00	262.00
117 642.00	43 842.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
15 200.00	10 020.00
15 300.00	10 120.00
26 800.00	220.00
49 800.00	174.00
73 800.00	262.00
"AvgPosConf	0.99"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=5000

0.1.1 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
15 534.00	366.00
33 602.00	298.00
56 844.00	356.00
81 206.00	294.00
105 280.00	320.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
15 900.00	366.00
33 900.00	298.00
57 200.00	356.00
81 500.00	294.00
105 600.00	320.00
117 400.00	12 120.00
"AvgPosConf	0.89"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
5180.00	180.00
27 020.00	220.00
49 974.00	174.00
74 062.00	262.00
117 642.00	43 842.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
5000.00	180.00
15 300.00	10 120.00
26 800.00	220.00
49 800.00	174.00
73 800.00	262.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=10000

0.1.1 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
15 534.00	366.00
33 602.00	298.00
56 844.00	356.00
81 206.00	294.00
105 280.00	320.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
15 900.00	366.00
33 900.00	298.00
57 200.00	356.00
81 500.00	294.00
105 600.00	320.00
117 400.00	12 120.00
"AvgPosConf	0.94"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
5180.00	180.00
27 020.00	220.00
49 974.00	174.00
74 062.00	262.00
117 642.00	43 842.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
5000.00	180.00
15 300.00	10 120.00
26 800.00	220.00
49 800.00	174.00
73 800.00	262.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=50000

0.1.1 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
15 534.00	366.00
33 602.00	298.00
56 844.00	356.00
81 206.00	294.00
105 280.00	320.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
15 900.00	366.00
33 900.00	298.00
57 200.00	356.00
81 500.00	294.00
105 600.00	320.00
117 400.00	12 120.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
5180.00	180.00
27 020.00	220.00
49 974.00	174.00
74 062.00	262.00
117 642.00	43 842.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
5000.00	180.00
15 300.00	10 120.00
26 800.00	220.00
49 800.00	174.00
73 800.00	262.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"