$End_sim_time = 20000,$

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)

 $Halt_time_of_Train = 20 sec$

 $Speed_of_The_Train = 14 \text{ m/sec } (50.4 \text{ km/h})$

0.1 No. of passengers=50

0.1.1 western up route

T 11 1 C 1, 11 1	Tal	Table 2: Estimated Value	
Table 1: Ground truth val	— Posit	tions $NearestTruthDis$	
m m m	<i>tDis</i> m	n m	
15 534.00 18 266.00 33 602.00 198.00 56 844.00 356.00	33 800.0 57 200.0 81 500.0 105 600.0	.00 356.00 .00 294.00	
81 206.00 294.00 105 280.00 320.00	"AvgPo" "MaxPo		

Table 3: Ground truth value		
$Positions \qquad NearestEstD$		
m	m	
5180.00	10 020.00	
27020.00	220.00	
49974.00	23174.00	
74062.00	362.00	
117642.00	43942.00	

Table 4: E	Table 4: Estimated Value		
- $Positions$ $NearestTruthD$			
m	m		
15 200.00	10 020.00		
15300.00	10120.00		
26800.00	220.00		
73700.00	362.00		
"AvgPosConf"	0.44"		
"MaxPosConf	0.71"		

 $End_sim_time = 20000,$

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 2: E	stimated Value
Table 1: Gro	ound truth value	Positions	NearestTruthDis
Positions	NearestEstD is	m	m
m	m	15 900.00	366.00
15534.00	366.00	33900.00	298.00
33602.00	298.00	57200.00	356.00
56844.00	356.00	81500.00	294.00
81206.00	294.00	105600.00	320.00
105280.00	320.00	"AvgPosConf"	0.55"
-	_	${\rm ``MaxPosConf'}$	0.96"

Positions
\mathbf{m}
15 200.00
15300.00
26800.00
49800.00
73800.00
"AvgPosCon
"MaxPosCon

Table 4: Estimated Value		
Positions	NearestTruthDis	
m	m	
15 200.00	10 020.00	
15300.00	10120.00	
26800.00	220.00	
49800.00	174.00	
73800.00	262.00	
"AvgPosConf	0.63"	
"MaxPosConf	1.00"	

 $End_sim_time = 20000,$

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)

 $Halt_time_of_Train = 20 sec$

 $Speed_of_The_Train = 14 \text{ m/sec } (50.4 \text{ km/h})$

0.1 No. of passengers=200

0.1.1 western up route

		<u>Table 2: E</u>	stimated Value
Table 1: Gro	und truth value	Positions	NearestTruthDis
Positions	NearestEstD is	m	\mathbf{m}
m	m	15 900.00	366.00
15534.00	366.00	33900.00	298.00
33602.00	298.00	57200.00	356.00
56844.00	356.00	81500.00	294.00
81206.00	294.00	105600.00	320.00
105280.00	320.00	"AvgPosConf"	0.80"
	_	${\rm ``MaxPosConf'}$	1.00"

		Table 4: E	Estimated Value
Table 3: Gro	ound truth value	Positions	NearestTruthDis
Positions	NearestEstDis	m	\mathbf{m}
m	m	15 200.00	10 020.00
5180.00	10020.00	15300.00	10120.00
27020.00	220.00	26800.00	220.00
49974.00	174.00	49800.00	174.00
74062.00	262.00	73800.00	262.00
117642.00	43842.00	"AvgPosConf"	0.79"
	_	"MaxPosConf	1.00"

 $End_sim_time = 20000,$

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 2: E	stimated Value
Table 1: Gro	ound truth value	Positions	NearestTruthDis
Positions	NearestEstD is	m	m
m	m	15 900.00	366.00
15534.00	366.00	33900.00	298.00
33602.00	298.00	57200.00	356.00
56844.00	356.00	81500.00	294.00
81206.00	294.00	105600.00	320.00
105280.00	320.00	"AvgPosConf"	0.89"
	_	${\rm ``MaxPosConf'}$	1.00"

		Table 4: E	Estimated Value
Table 3: Gro	und truth value	Positions	NearestTruthDis
Positions	NearestEstDis	\mathbf{m}	m
m	m	15 200.00	10 020.00
5180.00	10020.00	15300.00	10120.00
27020.00	220.00	26800.00	220.00
49974.00	174.00	49800.00	174.00
74062.00	262.00	73800.00	262.00
117642.00	43842.00	"AvgPosConf	0.92"
		${\rm `MaxPosConf}$	1.00"

 $End_sim_time = 20000,$

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)

 $Halt_time_of_Train = 20 sec$

 $Speed_of_The_Train = 14 \text{ m/sec } (50.4 \text{ km/h})$

0.1 No. of passengers=1000

0.1.1 western up route

		Table 2: E	stimated Value
Table 1: Gro	ound truth value	Positions	NearestTruthDis
Positions	NearestEstDis	m	m
m	m	15 900.00	366.00
15534.00	366.00	33900.00	298.00
33602.00	298.00	57200.00	356.00
56844.00	356.00	81500.00	294.00
81206.00	294.00	105600.00	320.00
105280.00	320.00	"AvgPosConf"	0.94"
		${\rm ``MaxPosConf'}$	1.00"

		Table 4: Estimated Value	
Table 3: Gro	ound truth value	Positions	NearestTruthDis
Positions	NearestEstDis	m	m
m		15 200.00	10 020.00
5180.00	10020.00	15300.00	10120.00
27020.00	220.00	26800.00	220.00
49974.00	174.00	49800.00	174.00
74062.00	262.00	73800.00	262.00
117642.00	43842.00	"AvgPosConf"	0.99"
		"MaxPosConf	1.00"

 $End_sim_time = 20000,$

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

Positions	NearestEstDis
m	m
5 534.00	366.00
3602.00	298.00
6844.00	356.00
206.00	294.00
280.00	320.00

Table 2: Estimated Value		
Positions	NearestTruthDis	
m	m	
15 900.00	366.00	
33900.00	298.00	
57200.00	356.00	
81500.00	294.00	
105600.00	320.00	
117400.00	12120.00	
"AvgPosConf	0.89"	
"MaxPosConf	1.00"	

Table 4: E	stimated Value
Positions	NearestTruthDis
m	m
5000.00	180.00
15300.00	10120.00
26800.00	220.00
49800.00	174.00
73800.00	262.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

 $End_sim_time = 20000,$

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 2: Estimated Value	
Table 1: Ground truth value Positions NearestEstDis		Positions m	$NearestTruthDis\\$ m
m	m	15 900.00	366.00
15 534.00	366.00	33900.00 57200.00	298.00 356.00
33602.00 56844.00	298.00 356.00	81 500.00	294.00
81 206.00	294.00	105600.00 117400.00	320.00 12120.00
105 280.00	320.00	"AvgPosConf	0.94"
		"MaxPosConf	1.00"

		Table 4: E	Stimated Value
Table 3: Ground truth value		Positions	NearestTruthDis
Positions	NearestEstDis	m	m
m	m	5000.00	180.00
5180.00	180.00	15300.00	10120.00
27020.00	220.00	26800.00	220.00
49974.00	174.00	49800.00	174.00
74062.00	262.00	73800.00	262.00
117642.00	43842.00	"AvgPosConf"	1.00"
		"MaxPosConf	1.00"

 $End_sim_time = 20000,$

 ${\tt getSpottingsNowTime} = 10000,$

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 2: Estimated Value	
Table 1: Gro	ound truth value	Positions	NearestTruthDis
Positions	NearestEstDis	m	m
m	m	15900.00	366.00
15 534.00	366.00	33900.00	298.00
33 602.00	298.00	57200.00	356.00
56 844.00	356.00	81500.00	294.00
81 206.00	294.00	105600.00	320.00
105 280.00	320.00	117400.00	12120.00
105 200.00	320.00	"AvgPosConf"	1.00"
		${\rm ``MaxPosConf'}$	1.00"

		Table 4: Estimated Value	
Table 3: Ground truth value		Positions	NearestTruthDis
Positions	NearestEstDis	\mathbf{m}	m
m	m	5000.00	180.00
5180.00	180.00	15300.00	10120.00
27020.00	220.00	26800.00	220.00
49974.00	174.00	49800.00	174.00
74062.00	262.00	73800.00	262.00
117642.00	43842.00	"AvgPosConf"	1.00"
	_	"MaxPosConf	1.00"