

Num of Trains=10 (5 up, 5 down)  
 End\_sim\_time = 20000,  
 getSpottingNowTime = 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		Table 2: Estimated Value	
<i>Positions</i>	<i>NearestEstDis</i>	<i>Positions</i>	<i>NearestTruthDis</i>
m	m	m	m
1356.00	144.00	1500.00	144.00
22 642.00	158.00	22 800.00	158.00
64 544.00	156.00	64 700.00	156.00
88 906.00	194.00	89 100.00	194.00
112 980.00	120.00	113 100.00	120.00
		"AvgPosConf	1.00"
		"MaxPosConf	1.00"

### 0.1.2 western down route

Table 3: Ground truth value		Table 4: Estimated Value	
<i>Positions</i>	<i>NearestEstDis</i>	<i>Positions</i>	<i>NearestTruthDis</i>
m	m	m	m
19 642.00	42.00	1200.00	18 442.00
42 326.00	26.00	19 600.00	42.00
66 124.00	24.00	22 200.00	2558.00
85 586.00	86.00	42 300.00	26.00
109 942.00	42.00	66 100.00	24.00
		85 500.00	86.00
		109 900.00	42.00
		"AvgPosConf	0.96"
		"MaxPosConf	1.00"

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## 0.2 No. of passengers=10000

### 0.2.1 central up route

Table 5: Ground truth value		Table 6: Estimated Value	
<i>Positions</i>	<i>NearestEstDis</i>	<i>Positions</i>	<i>NearestTruthDis</i>
m	m	m	m
12 246.00	154.00	12 400.00	154.00
21 442.00	158.00	21 600.00	158.00
34 644.00	156.00	34 800.00	156.00
44 120.00	180.00	44 300.00	180.00
57 878.00	7778.00	50 100.00	5980.00
		"AvgPosConf	1.00"
		"MaxPosConf	1.00"

### 0.2.2 central down route

Table 7: Ground truth value		Table 8: Estimated Value	
<i>Positions</i>	<i>NearestEstDis</i>	<i>Positions</i>	<i>NearestTruthDis</i>
m	m	m	m
124.00	176.00	300.00	176.00
5594.00	94.00	5500.00	94.00
21 964.00	64.00	11 800.00	6206.00
27 440.00	40.00	21 900.00	64.00
44 634.00	34.00	27 400.00	40.00
		44 600.00	34.00
		45 300.00	666.00
		"AvgPosConf	1.00"
		"MaxPosConf	1.00"

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 Speed\_of\_The\_Train = 14 m/sec (50.4 km/h)

### 0.3 No. of passengers=10000

#### 0.3.1 harbour up route

Table 9: Ground truth value		Table 10: Estimated Value	
<i>Positions</i>	<i>NearestEstDis</i>	<i>Positions</i>	<i>NearestTruthDis</i>
m	m	m	m
15 882.00	1218.00	17 100.00	264.00
17 364.00	264.00	25 600.00	204.00
25 396.00	204.00	34 800.00	5524.00
40 324.00	176.00	34 900.00	5424.00
48 086.00	114.00	40 500.00	176.00
		48 200.00	114.00
		"AvgPosConf	0.98"
		"MaxPosConf	1.00"

#### 0.3.2 harbour down route

Table 11: Ground truth value		Table 12: Estimated Value	
<i>Positions</i>	<i>NearestEstDis</i>	<i>Positions</i>	<i>NearestTruthDis</i>
m	m	m	m
3356.00	56.00	3300.00	56.00
4844.00	444.00	4400.00	444.00
25 486.00	86.00	24 600.00	886.00
27 516.00	16.00	25 400.00	86.00
35 006.00	106.00	27 100.00	416.00
		27 500.00	16.00
		34 900.00	106.00
		"AvgPosConf	1.00"
		"MaxPosConf	1.00"