

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 |
| 14 660.00 | 1240.00 | 15 900.00 | 1240.00 |
| 31 220.00 | 2680.00 | 33 900.00 | 2680.00 |
| 55 850.00 | 1350.00 | 57 200.00 | 1350.00 |
| 82 550.00 | 1050.00 | 81 500.00 | 1050.00 |
| 102 860.00 | 2740.00 | 105 600.00 | 2740.00 |
| | | 117 400.00 | 14 540.00 |
| | | "AvgPosConf | 0.97" |
| | | "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 |
| 5950.00 | 950.00 | 5000.00 | 950.00 |
| 26 900.00 | 100.00 | 15 300.00 | 9350.00 |
| 51 780.00 | 1980.00 | 26 800.00 | 100.00 |
| 68 420.00 | 5380.00 | 49 800.00 | 1980.00 |
| 111 580.00 | 37 780.00 | 73 800.00 | 5380.00 |
| | | "AvgPosConf | 1.00" |
| | | "MaxPosConf | 1.00" |

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 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)

0.2 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 |
| 5000.00 | 1600.00 | 6600.00 | 1600.00 |
| 13 000.00 | 2500.00 | 15 500.00 | 2500.00 |
| 26 000.00 | 2400.00 | 28 400.00 | 2400.00 |
| 34 000.00 | 200.00 | 34 200.00 | 200.00 |
| 49 000.00 | 2300.00 | 51 300.00 | 2300.00 |
| | | "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 |
| 8000.00 | 2200.00 | 5800.00 | 2200.00 |
| 16 000.00 | 1200.00 | 14 800.00 | 1200.00 |
| 28 000.00 | 0.00 | 28 000.00 | 0.00 |
| 36 000.00 | 2300.00 | 33 700.00 | 2300.00 |
| 50 000.00 | 16 300.00 | "AvgPosConf | 1.00" |
| | | "MaxPosConf | 1.00" |

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)

0.3 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 |
| 2000.00 | 1100.00 | 3100.00 | 1100.00 |
| 9000.00 | 1000.00 | 10 000.00 | 1000.00 |
| 29 000.00 | 4300.00 | 24 700.00 | 4300.00 |
| 30 000.00 | 3400.00 | 33 400.00 | 1400.00 |
| 32 000.00 | 1400.00 | 40 900.00 | 8900.00 |
| | | "AvgPosConf | 1.00" |
| | | "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 |
| 13 000.00 | 2100.00 | 2600.00 | 10 400.00 |
| 19 000.00 | 600.00 | 10 900.00 | 2100.00 |
| 21 000.00 | 1400.00 | 17 900.00 | 1100.00 |
| 43 000.00 | 100.00 | 19 600.00 | 600.00 |
| 43 000.00 | 100.00 | 24 100.00 | 3100.00 |
| | | 40 900.00 | 2100.00 |
| | | 42 900.00 | 100.00 |
| | | "AvgPosConf | 0.92" |
| | | "MaxPosConf | 1.00" |