## Evacuation Analysis Results

## 1 Evacuation Times in Different Scenarios

Table 1: Evacuation Times in No-Obstacle Environment						
Number of Pedestrians	100	200	300	400	500	600
Proposed Method	25.3	32.3	40.9	56.6	71.9	86.6
Yao et al.	25.5	32.6	41.8	58.5	74.6	89.8
DDQN Method	25.6	32.5	42.3	61.1	77.9	93.4
Tian et al.	25.5	32.7	43.4	60.3	76.1	91.5

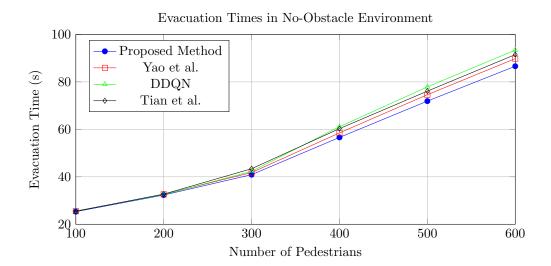


Figure 1: Evacuation time comparison in environment without obstacles

Table 2: Evacuation Times in Environment with Obstacles						
Number of Pedestrians	100	200	300	400	500	600
Proposed Method	27.8	35.9	45.2	62.4	78.6	95.3
Yao et al.	28.2	36.8	47.1	65.2	82.3	99.1
DDQN Method	28.4	37.2	48.5	67.8	85.7	102.6
Tian et al.	28.3	37.0	48.1	66.5	84.2	101.2

## Evacuation Times in Environment with Obstacles

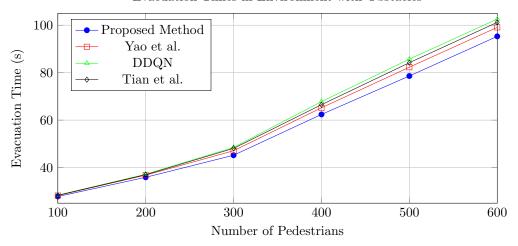


Figure 2: Evacuation time comparison in environment with obstacles

Table 3: Impact of Number of Exits on Evacuation Time (200 Agents)

Environment Type	1 Exit	2 Exits	3 Exits	4 Exits
No Obstacles With Obstacles	45.2	35.8	29.4	24.1
	52.6	41.3	32.7	26.8

## Impact of Exit Numbers on Evacuation Time (200 Agents)

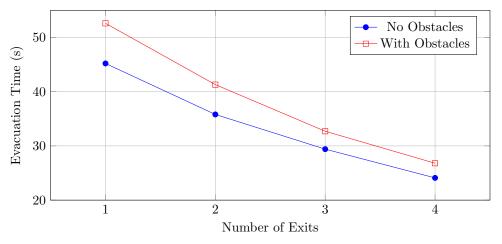


Figure 3: Impact of exit numbers on evacuation time