

Table 1: Evacuation Times Analysis in Environment without Obstacles

Methods	Number of Agents					
	100	200	300	400	500	600
Proposed Method	24.1	30.8	38.5	53.2	68.4	82.5
Baseline	25.3	32.3	40.9	56.6	71.9	86.6
MADDPG	26.4	35.2	43.5	59.8	75.7	91.6

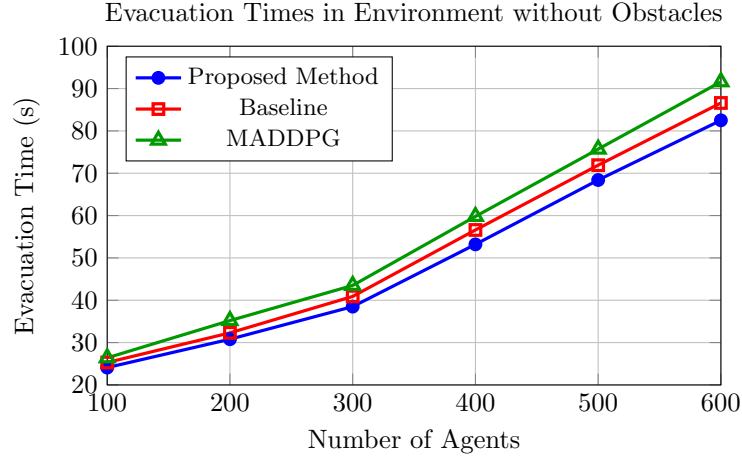


Figure 1: Evacuation time comparison in environment without obstacles

Table 2: Evacuation Times Analysis in Environment with Obstacles

Methods	Number of Agents					
	100	200	300	400	500	600
Proposed Method	79.2	82.5	87.4	96.8	108.5	120.6
Baseline	81.1	84.2	90.0	100.4	112.4	125.4
MADDPG	84.4	89.9	98.5	112.8	128.4	150.6

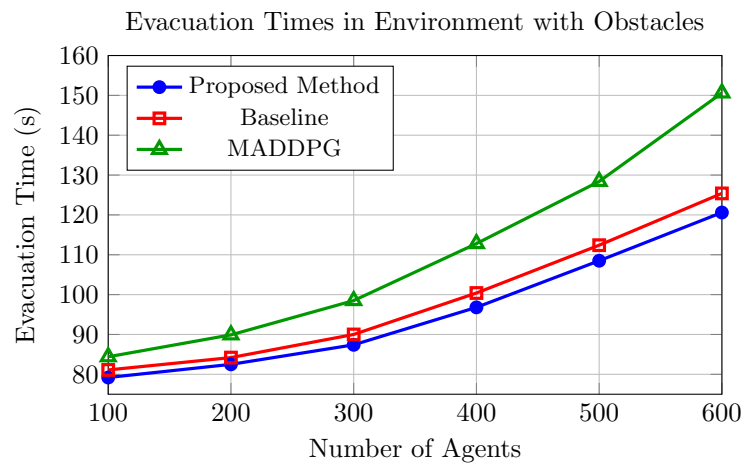


Figure 2: Evacuation time comparison in environment with obstacles