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Survey on prioritized multi robot path planning

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Multi robot path planning in the area of robotics is an emerging field due to its extensive real-world applications like warehouse applications, search and rescue, military actions, etc. The major advantage of multi robot path planning is its concurrency, which is very useful for reducing the time required for an operation. Coordination among multiple robots is necessary to perform efficient path planning. Reliability and robustness further require cooperation between multiple robots to achieve its goal. As the number of robots increases, one of the concerns is how to assign priority to the robots so that they can perform task in a collision free environment. In this paper we will discuss about some of the methods to find multi robot prioritized path planning techniques.

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