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| Sl No: | PAPER DETAILS | OBJECTIVES | METHODOLOGY | REMARKS |
| 1 | Elbanhawi, Mohamed & Simic, Milan & Jazar, Reza. (2013). Autonomous Robot Path Planning: An Adaptive Roadmap Approach. Applied Mechanics and Materials. 373-375. | To do path planning for autonomous robot | Road map based method | Point mass assumption |
| 2 | Scan Matching Online Cell Decomposition for Coverage Path Planning in an Unknown Environment,  Batsaikhan Dugarjav  2013 | To guarantee complete coverage path planning | Cell decomposition | High computational cost, and high execution time (3.5 min)  Efficient coverage path planning, robust |
| 3 | The Path Planning of Mobile Robots Based on an Improved A\* Algorithm,  Lu Chang, Liang Shan  2019 | To plan a safe and efficient path for a mobile robot | Improved A\*  (map compression,  Path smoothing) | Optimal  Consider robot size  Large searching area  Feasible and safer path  Computational complexity |
| 4 | Faster RRT-based Nonholonomic Path Planning in 2D  Building Environments Using Skeleton-constrained Path  Biasing,  **Yiqun Dong ,Efe Camci**  **2017** | Nonholonomic path planning in 2 d environment | Biasing off RRT by skeleton-constrained path, | Probabilistically complete algorithm,  Better planning time, path length and  Clearance |
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