

A Real-Time Collision Avoidance Strategy in Dynamic A Potential Field Algorithm

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Multi UAV Cluster Control Method Based on Virtual Core in Improved Artificial Potential Field. IEEE Access, 2020, 8, 131647-131661. | 4.2 | 31 |
| 2 | Reactive Collision Avoidance Algorithm for UAV Using Bounding Tube Against Multiple Moving Obstacles. IEEE Access, 2020, 8, 218131-218144. | 4.2 | 5 |
| 3 | Dynamic collision avoidance scheme for unmanned surface vehicles under complex shallow sea Environments. Ocean Engineering, 2020, 218, 108102. | 4.3 | 13 |
| 4 | Pursuit-Evasion Game approach to Tree-Based Path Planning for Airborne Dynamic Obstacle Avoidance. , 2021, , . | | 1 |
| 5 | Collision avoidance method of autonomous vehicle based on improved artificial potential field algorithm. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 3416-3430. | 1.9 | 24 |
| 6 | A Moving Target Tracking Control of Quadrotor UAV Based on Passive Control and Super-Twisting Sliding Mode Control. Mathematical Problems in Engineering, 2021, 2021, 1-17. | 1.1 | 3 |
| 7 | Efficient Reactive Obstacle Avoidance Using Spirals for Escape. Drones, 2021, 5, 51. | 4.9 | 8 |
| 8 | Path Planning and Collision Risk Management Strategy for Multi-UAV Systems in 3D Environments. Sensors, 2021, 21, 4414. | 3.8 | 12 |
| 9 | Deep Reinforcement Learning for Quadrotor Path Following and Obstacle Avoidance. Studies in Computational Intelligence, 2021, , 563-633. | 0.9 | 1 |
| 10 | Multi-UAV Path Planning Based on Fusion of Sparrow Search Algorithm and Improved Bioinspired Neural Network. IEEE Access, 2021, 9, 124670-124681. | 4.2 | 41 |
| 11 | Efficient Local Path Planning Algorithm Using Artificial Potential Field Supported by Augmented Reality. Energies, 2021, 14, 6642. | 3.1 | 44 |
| 12 | UAV Dynamic Path Planning Based on Obstacle Position Prediction in an Unknown Environment. IEEE Access, 2021, 9, 154679-154691. | 4.2 | 13 |
| 13 | Enhanced Artificial Potential Field-based Moving Obstacle Avoidance for UAV in Three-Dimensional Environment. , 2020, , . | | 6 |
| 14 | Recent Progress on Multiple-Unmanned Aerial Vehicle Collision Avoidance Algorithms. , 2020, , . | | 1 |
| 15 | Revue Systématique de la Littérature sur le Soutien à la Sécurité des Opérations de Drones. , 2021, , . | | 0 |
| 16 | Collision Avoidance of Unmanned Aerial Vehicles Using Fuzzy Inference System-Aided Enhanced Potential Field. , 2022, , . | | 2 |
| 17 | MAV-UAV Collaborative Route Planning Based on Intelligent Emotion Mode. Lecture Notes in Electrical Engineering, 2022, , 2744-2754. | 0.4 | 0 |
| 18 | Research on robot path planning based on A-weighted JPS Algorithm. , 2021, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Energy Efficient Local Path Planning Algorithm Based on Predictive Artificial Potential Field. IEEE Access, 2022, 10, 39729-39742. | 4.2 | 33 |
| 20 | Multi-objective particle swarm optimization with multi-mode collaboration based on reinforcement learning for path planning of unmanned air vehicles. Knowledge-Based Systems, 2022, 250, 109075. | 7.1 | 24 |
| 21 | Flocking of Battery-Powered Mobile Agents with Energy-Aware Potential Function. , 2021, , . | | 0 |
| 22 | LiDAR Based Detect and Avoid System for UAV Navigation in UAM Corridors. Drones, 2022, 6, 185. | 4.9 | 15 |
| 23 | An Adaptive 3D Artificial Potential Field for Fail-safe UAV Navigation. , 2022, , . | | 6 |
| 24 | A Reconfigurable Modular Vehicle Control Strategy Based on an Improved Artificial Potential Field. Electronics (Switzerland), 2022, 11, 2539. | 3.1 | 1 |
| 25 | A Dynamic Obstacle Avoidance Control Algorithm for Distributed Multi-UAV Formation System. , 2022, , . | | 2 |
| 26 | Imaginary filtered hindsight experience replay for UAV tracking dynamic targets in large-scale unknown environments. Chinese Journal of Aeronautics, 2023, 36, 377-391. | 5.3 | 7 |
| 27 | Real-time Path Planning Algorithms for Autonomous UAV. , 2022, , . | | 1 |
| 28 | Cooperative Collision Avoidance in Mobile Robots using Dynamic Vortex Potential Fields. , 2023, , . | | 1 |
| 29 | Optimized APF-ACO Algorithm for Ship Collision Avoidance and Path Planning. Journal of Marine Science and Engineering, 2023, 11, 1177. | 2.6 | 5 |
| 31 | An Effective Strategy for Collision Avoidance of Multiple UAVs With Unknown Acceleration. IEEE Access, 2023, 11, 112600-112619. | 4.2 | 0 |
| 32 | Potential field-based cooperative adaptive cruising control for longitudinal following and lane changing of vehicle platooning. Physica A: Statistical Mechanics and Its Applications, 2023, 632, 129317. | 2.6 | 0 |
| 33 | ACACT: Adaptive Collision Avoidance Algorithm Based on Estimated Collision Time for Swarm UAVs. IEEE Access, 2023, 11, 120179-120191. | 4.2 | 0 |
| 34 | Real-Time Local Obstacle Avoidance and Trajectory Tracking Control of Quadrotor UAVs With Suspended Payload in Complex Environments. IEEE Access, 2023, 11, 144017-144029. | 4.2 | 1 |
| 35 | A review of perception sensors, techniques, and hardware architectures for autonomous low-altitude UAVs in non-cooperative local obstacle avoidance. Robotics and Autonomous Systems, 2024, 173, 104629. | 5.1 | 0 |
| 36 | Local Trajectory Planning for Obstacle Avoidance of Unmanned Tracked Vehicles Based on Artificial Potential Field Method. IEEE Access, 2024, 12, 19665-19681. | 4.2 | 0 |
| 37 | Multi-unmanned Surface Vehicles Formation Based on DMPC and Improved APF Method. , 2023, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 38 | A fast formation obstacle avoidance algorithm for clustered UAVs based on artificial potential field. Aerospace Science and Technology, 2024, 147, 108974. | 4.8 | 0 |