

## Accepted Manuscript

Title: Ant Colony Optimization for Multi-UAV Minimum Time Search in Uncertain Domains

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- New Minimum Time Search (MTS) Planner based on ACO capable of optimizing UAVs search straight-segmented trajectories.
- New heuristic that exploits the available information of the problem allowing our planner to quickly obtain high quality solutions for MTS.
- Statistical analysis of ACO parameterization effects in the planner and comparison of the new method with others closely related to MTS over several search scenarios.

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