Trajectory Optimization For Spacecraft Collision Avoidance By Air Force Institute Of Technology

By Air Force Institute of Technology

Obstacle avoidance and path planning for carrier -
The main contribution of research is the establishment of obstacle avoidance Collision detection; Multistep optimization; Air Force Institute of Technology
http://www.sciencedirect.com/science/article/pii/S1000936115000400

Stability and Performance of Orbital Elements -
Air Force Institute of Technology How, J.P., Feron, E.: Spacecraft trajectory planning with avoidance Williams, T.W.: Collision avoidance for
http://link.springer.com/article/10.1007/s40295-014-0022-0

Air Force Institute of Technology (Author of -
Air Force Institute of Technology is the author of Information Technology and the Evolution of the Library (4.00 avg rating,
http://www.goodreads.com/author/show/7572535.Air_Force_Institute_of_Technology

Space rendezvous - Wikipedia, the free -
(Redirected from Rendezvous in space but an orbit is nothing else but a state of equilibrium between the force of the Collision avoidance (spacecraft
http://en.wikipedia.org/wiki/Rendezvous_in_space

Developed by David J. Moorhouse & David M. Pratt -
Developed by David J. Moorhouse & David M. Pratt Air Vehicles Directorate U. S. Air Force Institute of Technology Collision avoidance .
http://homepages.ulb.ac.be/~mesposit/org-site-test/talks/Moorhouse_Snogeholm_2011.pdf

Denis F. Durand | LinkedIn -
View Denis F. Durand's U.S. Air Force Institute of Technology; Performed verification and validation of collision avoidance algorithms in Air Force Space
https://www.linkedin.com/pub/denis-f-durand/10/b51/859

Nonlinear trajectory optimization with path -
Nonlinear Trajectory Optimization with Spacecraft trajectory optimization has How, and E. Feron, "Spacecraft Trajectory Planning With Collision and
http://www.academia.edu/2735847/Nonlinear_trajectory_optimization_with_path_constraints_applied_to_spacecraft_reconfiguration_maneuvers

List of Art in Science Entries - Dayton-Cincinnati -
List of Art in Science Entries. For collision avoidance of non by the Air Force Research Laboratory and the Air Force Institute of Technology,
http://www.aiaa-daycin.org/dcass/list_art.php

Factsheets : AFRL Acronyms - Wright-Patterson Air -
Automated Collision Avoidance System: ACC: Air Combat Command: ACC: Air Force Institute of Technology: AFMC: Intelligence Data Analysis System for Spacecraft:
http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=5987

AIAA Guidance, Navigation, and Control Conference -
Optimal Collision Avoidance Trajectories via Direct Orthogonal Air Force Institute of Technology, generating the optimal collision avoidance trajectory:
http://arc.aiaa.org/doi/pdf/10.2514/6.2014-0966

Roberto Sabatini | LinkedIn -
City-Pair Trajectory Optimization in the Presence of Winds Development of a Laser Collision Avoidance System for Air Force Institute of Technology; Royal Air
https://au.linkedin.com/pub/roberto-sabatini/94/536/458

SIMULATION AND APPLICATION OF GPOPS FOR A -
FOR A TRAJECTORY OPTIMIZATION AND MISSION PLANNING TOOL for a new trajectory optimization tool in the Air Force. Air Force Institute of Technology
http://www.academia.edu/7013593/SIMULATION_AND_APPLICATION_OF_GPOPS_FOR_A_TRAJECTORY_OPTIMIZATION_AND_MISSION_PLANNING_TOOL_THESIS_AIR_FORCE_INSTITUTE_OF_TECHNOLOGY

Multi- spacecraft trajectory optimization and -
Multi-spacecraft trajectory optimization and control using genetic algorithm techniques including line-of-sight and orthogonal collision avoidance,
http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=879279

Formation Flight and Collision Avoidance for -
Formation Flight and Collision Avoidance for Multiple UAVs Air Force Institute of Technology Optimization of Space Debris Collision Avoidance Maneuver
http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=HGJHC0_

2013_v14n1_75

Conference Detail for Sensors and Systems for -
View program details for SPIE Defense + Security conference on Sensors and Systems for Space Applications VIII. Air Force Institute of Technology spacecraft
http://spie.org/app/program/index.cfm?fuseaction=conferencedetail&conference_id=2072916&event_id=2051804

Spacecraft Trajectory Planning With Collision and -
Spacecraft Trajectory Planning With Collision and Plume Avoidance optimization to design a detailed trajectory. A spacecraft reconfiguration
http://citeseerx.ist.psu.edu/showciting?cid=120147

IEEE Xplore - Conference Table of Contents -
Air Force Institute of Technology, including the avoidance of various limit of trajectory optimization principles that have been or are
http://ieeexplore.ieee.org/xpl/tocresult.jsp?sortType%3Dasc_p_Sequence%26filter%3DAND(p_IS_Number%3A4046347)&rowsPerPage=100&pageNumber=1&resultAction=ROWS_PER_PAGE

Trajectory Optimization for Spacecraft Collision -
H ftad, 2014. Pris 191 kr. K p Trajectory Optimization for Spacecraft Collision Avoidance (9781500903138) av Air Force Institute Of Technology p Bokus.com
http://www.bokus.com/bok/9781500903138/trajectory-optimization-for-spacecraft-collision-avoidance/

Proximity Relative Motion Planning - Springer -
Proximity Relative Motion Planning is applied to surface following trajectory optimization when the field of view Air Force Institute of Technology. 3.
http://link.springer.com/chapter/10.1007/978-1-4939-0838-7_4

Amazon.com: Trajectory Optimization for Spacecraft -
Trajectory Optimization for Spacecraft Collision Avoidance - Kindle edition by James W. Sales, Air Force Institute of Technology, Kurtis Toppert. Download it once and
http://www.amazon.com/Trajectory-Optimization-Spacecraft-Collision-Avoidance-ebook/dp/B00FY0MH34

www.dtic.mil -
AFIT-ENY-DS-15-M-002 OPTIMAL RECOVERY TRAJECTORIES FOR AUTOMATIC GROUND COLLISION AVOIDANCE SYSTEMS (AUTO GCAS) DISSERTATION Presented to the Faculty Graduate School
http://www.dtic.mil/dtic/tr/fulltext/u2/a618503.pdf

UAS Collision Avoidance Algorithm Based on an -
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http://ascelibrary.org/doi/full/10.1061/%28ASCE%29AS.1943-5525.0000081

Asteroid impact avoidance - Wikipedia, the free -
is needed to successfully deflect a body on a direct collision trajectory. Institute of Technology designed a system , Air Force 2025
https://en.wikipedia.org/wiki/Asteroid_impact_avoidance

David Gaylor | University of Arizona - -
Air Force Institute of Technology The simulation shows that reasonably sized collision avoidance maneuvers are trajectory optimization,
http://arizona.academia.edu/DavidGaylor

Advanced Maui Optical and Space Surveillance -
Operational Impact of Improved Space Tracking on Collision Avoidance in the Future LEO Space (Air Force Institute of Technology), (Applied Optimization),
http://www.amostech.com/TechnicalPapers/2010.cfm

Near-optimal geostationary transfer maneuvers with -
Air Force Institute of Technology, We compare hybrid optimal control Recent research on the use of HOC in spacecraft trajectory optimization
http://www.sciencedirect.com/science/article/pii/S0094576514003622

Robust Decentralized Formation Flight Control -
M.S. thesis, The Air Force Institute of Technology, trajectory optimization using collision avoidance system for unmanned air
http://www.hindawi.com/journals/ijae/2011/157590/ref/

Aircraft trajectory planning with collision -
shown that trajectory optimization including collision spacecraft path Trajectory Planning With Collision Avoidance Using Mixed
http://www.academia.edu/2737260/Aircraft_trajectory_planning_with_collision_avoidance_using_mixed_integer_linear_programming

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