Asian Aerospace and Astronautics Conference (AAAC 2023)

Journal of Physics: Conference Series Volume 2633

Wuhan, China 15 - 17 September 2023

ISBN: 978-1-7138-8217-6

ISSN: 1742-6588

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

This work is licensed under a Creative Commons Attribution 3.0 International Licence. Licence details: http://creativecommons.org/licenses/by/3.0/.

No changes have been made to the content of these proceedings. There may be changes to pagination and minor adjustments for aesthetics.

Printed with permission by Curran Associates, Inc. (2024)

For permission requests, please contact the Institute of Physics at the address below.

Institute of Physics Dirac House, Temple Back Bristol BS1 6BE UK

Phone: 44 1 17 929 7481 Fax: 44 1 17 920 0979

techtracking@iop.org

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA Phone: 845-758-0400

Fax: 845-758-2633

Email: curran@proceedings.com Web: www.proceedings.com

TABLE OF CONTENTS

| Peer Review Statement |
|---|
| Research of a Novel Aerodynamic Evaluation Method for Fixed-Wing UAV |
| Performance Optimization Design of Wide-Body Aircraft Pressure Refueling System |
| Wide-Body Aircraft Fuel Jettison System Design and Analysis |
| Research on Solar Sail Attitude Maneuvering Method Based on Adaptive Sliding Mode Control |
| Reentry Trajectory Design of a Hypersonic Vehicle Based on Reinforcement Learning |
| Research on Safety Issues and Safety Analysis of New Energy Aircraft |
| Optimization and Verification of Mechanical Design for Small Total Reflection Optics |
| Research on Radial Velocity and Airspace Position Calculations of Target in Airborne Active Radar Simulation |
| Effect of Oxygen Rich Environment on Detonation Characteristics of Pulse Detonation Engine |
| Body Effect on Inflow Distortion in Civil Engine Intake Under Crosswind Condition |
| Numerical Analysis of Flow and Heat Transfer Characteristics of Supercritical Endothermic Hydrocarbon Fuel in Taper Tube |
| Numerical Simulation of Ply Angle Deviation and Thermal Deformation Behavior of CFRP Reflector |
| Multiple Fault Isolation Method for Micro Thrusters of Drag-Free Systems |
| Design and Simulation of Anti-Sloshing Baffles Applied to Detumbling Payload Propellant Tanks |
| Simulation and Analysis of Delamination Damage Propagation in CFRP Structures |

| Marangoni Convection in a C-Shape Enclosure with Partially Heated Walls | |
|---|--|
| Numerical Simulation of Rebar Corrosion in Track Bed of Shield Tunnel Under Stray Current | |
| Author Index | |