Track 1 (Ballroom 1 宴会厅 1)

		Track 1 (Ballroom 1 宴会厅 1)	
		P.M. Oct 16th	
		Session1-1 Control-1(organized), Room: Ballroom 1 宴会厅 1	
		Chair: Wenqing Yang, Northwestern Polytechnical University	
		Aero-engine simulation model performance tracking method based on	
1	14:00-14:15	online transfer learning	A0146
1	14.00-14.13	Jintao Hu, Hailong Tang, Min Chen	A0140
		Beihang University	
		Trajectory Control of a Spacecraft with a Robotic Manipulator on Two-	
2	14:15-14:30	Dimensional Plane using Udwadia-Kalaba Equation	4.0500
2	14:13-14:30	Kenwoo Kim, Dongwon Jung, Sara Woo	A0590
		Korea Aerospace University	
		Transformer-based Method for Unsupervised Anomaly Detection of	
3	14:30-14:45	Flight Data	A0333
3	14.30-14.43	Hao Yu, Honglan Wu, Hao Liu	A0333
		Nanjing University of Aeronautics and Astronautics	
		Experimental analysis of attitude and position control for launch-vehicle-	
4	14:45-15:00	shaped vertical take-off and landing aircraft	A0478
4	14:43-13:00	DongHwan Kim, MinJae Ko, NaRin Choi, YeonJoo Kim, DaeSung Jang	A04/8
		Korea Aerospace University	
		Break 15:00-15:20	
		Session1-2 Control-2(organized), Room: Ballroom 1 宴会厅 1	
		Chair: <b>Jian Fu</b> , Beihang University	
		Tiltrotor Conversion System Design and Flight Dynamics Simulation for	
1	15.20 15.25	VTOL Aircraft	10557
1	15:20-15:35	Lining Yang, Jian Fu, Baoyan Hu, Zhaoyi Zhou	A0557
		Beihang University	
		Experimental Research on Friction Characteristics of DLC Coated	
		Cylinder Block/Valve Plate Interface in Aerospace Integrated Motor	
2	15:35-15:50	Pumps	A0553
		Dingchong Lyu, Jian Fu, Ke Ci, Jiangao Zhao, Shoujun Zhao	
		Beihang University	
		System Identification and Analysis of Micro Helicopter Using Flight	
3	15:50-16:05	Experimental Data	A0718
3	13.30-10.03	Minsu Kim, Park Heetae, Kim Seungkeun, Suk Jinyoung	A0/16
		Chungnam National University	
		Model-Based Real-Time Fault Monitoring Strategy for Hydraulic	
4	16:05-16:20	Servo Actuators	A0550
4	10.03-10.20	Zhiming Yan, Jian Fu, Zehua Ge	A0330
		Beihang University	
		Rigid-flexible Coupling Dynamic Modeling and Characteristics Analysis	
5	16:20-16:35	of Hydraulic Servo Actuation System for Flight Control	A0547
3	10.20-10.33	Sun Mingwei, Fu Jian, Sun Huanyu	A0347
		Beihang University	
		Break 16:35-17:00	
		Poster Time	
		1 OSICI TIHIC	
		A.M. Oct 17th	
		Session1-3 Control-3, Room: Ballroom 1 宴会厅 1	
<u> </u>		Chair: <b>Dongwon Jung,</b> Korea Aerospace University	T
		Stability Margin Evaluation of Dynamic Inversion Controller for	
1	8:30-8:45	Suborbital Spaceplane during Re-Entry Phase	A0546
	0.50 0.15	Tomotaka Watanabe, Koichi Yonemoto, Takahiro Fujikawa, Takahiro	1202 10
		Matsukami	

		Tokyo university of science	
		Multi-UAV Task Reallocation Based on Dynamic Window Consensus-	
		Based Bundle Algorithm	
2	8:45-9:00	Junyi Shen, Jiuli Zhou, Wenhao Bi	A0121
		Northwestern Polytechnical University	1
		Virtual Impact Point-Based Midcourse Guidance for Exo-Atmospheric	
		Interception	
3	9:00-9:15	junsub hwang, hyungho na, jaemyung ahn	A0338
		KAIST	1
		NDI-based Control Design for Transition Flight of Fixed-Wing VTOL	
		UAV	
4	9:15-9:30	Jiwon Lee, Hanna Lee, Jinrae Kim, Youdan Kim	A0459
		Seoul National University	1
		Break 9:30-9:45	
		Session1-4 Control-4, Room: Ballroom 1 宴会厅 1	
		Chair: <b>Keita Kimura</b> , Japan Aerospace Exploration Agency	
		Real-time Optimal Trajectory Generation Algorithm for Rocket	
		Propulsion Transport Vehicle	
1	9:45-10:00	Sooin Kim, Daesung Jang	A0394
			1
		Korea Aerospace University Ascent Trajectory Optimization and Guidance Command Calculation	
		for Winged Experimental Rocket Considering the Ranges of Trim	
2	10.00 10.15		A0583
2	10:00-10:15	Angle of Attack and Roll Rate	A0583
		Yuta Tajima, Koichi Yonemoto, Takahiro Fujikawa, Masaaki Murakami	_
		Tokyo University of Science	
		System Optimization of Two-Stage-To-Orbit Spaceplane for Satellite Launch	
3	10:15-10:30		A0568
		Yuki Ishii, Takahiro Fujikawa, Koichi Yonemoto	_
		Tokyo University of Science	
		Development of Winged Rocket WIRES#015 for Flight Demonstration	
4	10:30-10:45	of Suborbital Spaceplane Technologies	A0576
		Ryotaro Takakura, Koich Yonemoto, Takahiro Fujikawa	_
		Tokyo University of Science	
		Break 10:45-11:00	
		Session1-5 Control-5, Room: Ballroom 1 宴会厅 1	
		Chair: Shuguang Zhang, Beihang University	
		Flight Path Control of Unmanned Aerial Vehicle Considering Attitude-	
1	11:00-11:15	Hold  Hyggan aggregation Variation	A0191
		Hyeong-gwan Kang, Youdan Kim	_
		Seoul National University	
		Robust Sliding Mode Control for free-floating Space manipulator with	
2	11:15-11:30	the disturbance	A0601
		Sara Woo, Heokjune You, Dongwon Jung	4
		Korea Aerospace University	
		Learning Aircraft Pilot skills by Adversarial Inverse Reinforcement	
_		Learning	
3	11:30-11:45	Kaito Suzuki, Tsuneharu Uemura, Takeshi Tsuchiya, Hirofumi Beppu,	A0282
		Yusuke Hazui, Hitoi Ono	
		The University of Tokyo	
		Design and Performance Analysis of Total Energy Control System for a	
		High-Altitude Long-Endurance UAV	1
		Chanku Han, Hoijo Jeong, Seungkeun Kim, Jinyoung Suk, Hyoungsik	A0527
4	11:45-12:00		
4	11:45-12:00	Choi, Sungyug Kim, Yunggyo Lee, Soohun Oh Chungnam National University	

		P.M. Oct 17th	
		Session1-6 Control-6, Room: Ballroom 1 宴会厅 1	
		Chair: <b>Itoh Eri</b> , The University of Tokyo	
		Rendering Involved and Machine Learning based Environment	
1	14.00 14.15	Interpretation Integrated Geometry and Image	10256
1	14:00-14:15	Kunbum Park, Takeshi Tsuchiya	A0356
		The University of Tokyo	
		Automatic Tracking of Marine Life by Multirotor Type UAV Using	
_	14151420	Image Recognition and Deep Neural Network	4.0700
2	14:15-14:30	Kyoma Arai, Kaito Koitabashi, Yoshinobu Inada	A0709
		Graduate School of Tokai University	
		Modified Iterative Guidance for Multi-stage Anti-ballistic Missile with	
		Solid Propellant Considering Coasting Phase	
3	14:30-14:45	Yeontaek Jung, Hanna Lee, Youngjun Lee, Youdan Kim	A0190
		Seoul National University	
		Research on Longitudinal Attitude and Velocity Coordinated Control	
		Method for a low Aspect Ratio Flying Wing Aircraft	
4	14:45-15:00	Hongbo Xin, Qingyang Chen, pen Wang, Yujie Wang, Zhongxi Hou,	A0384
_	14.45 15.00	Yafei Lu	110304
		National University of Defense Technology	
		Break 15:00-15:20	
		Session1-7 Control-7, Room: Ballroom 1 宴会厅 1	
		Chair: <b>Higashino Shin-Ichiro</b> , Kyushu University	
		Self-Learning Tracking Control for Missile using Incremental	
		Approximate Dynamic Programming	
1	15:20-15:35	Lywong Vim Hone Lee Yourgin Lee Jongho Dork Youden Vim	A0243
		Juyoung Kim, Hanna Lee, Youngjun Lee, Jongho Park, Youdan Kim	
		Seoul National University	
		Stability Margin Guarantee of Quaternion Attitude Control System	
_	15 25 15 50	Based on Dynamic Inversion Theory	
2	15:35-15:50	Kotaro Yamasaki, Koichi Yonemoto, Takahiro Fujikawa, Takahiro	A0558
		Matsukami, Tomotaka Watanabe, Fumiya Haga	
		Tokyo University of Science	
		Optimal Fire Distribution Method of Airborne Dispenser to Airport	
3	15:50-16:05	Runway blockade Based on NSGA-II	A0122
	15.50 10.05	Jiuli Zhou, Junyi Shen, Wenhao Bi	_ 110122
		Northwestern Polytechnical University	
		Evolutionary Trajectory Optimization for Suborbital Spaceplane by	
4	16:05-16:20	Combining Direct and Inverse Trajectory Design Approaches	A0545
4	10.03-10.20	Masaaki Murakami, Takahiro Fujikawa, Koichi Yonemoto	A0343
		Tokyo University of Science	
		Robust controller design based on feedback linearization for UAV	
5	16:20-16:35	Yasuyuki Taguchi, Naoto Morita, Takeshi Tsuchiya	A0457
		The University of Tokyo	
		Intelligent adaptive control method for ducted fan unmanned aircraft	
6	16:35-16:50	Ning Zhang	A0756
		China Academy of Aerospace Aerodynamics	

Track 2 (Ballroom 2 宴会厅 2)

		Track 2 (Ballroom 2 宴会厅 2)	
		P.M. Oct 16th	
		Session2-1 CFD-1, Room: Ballroom 2 宴会厅 2	
		Chair: Youcheng Xi, Tsinghua University	
1	14:00-14:15	Turbulence Modeling Based on Field Inversion and Symbolic Regression Chenyu Wu, Yufei Zhang	A0133
2	14.15.14.20	Tsinghua University  Numerical simulation of gas-particle-structure coupling problem in the process of particle impact on aeroengine blade	A 0246
2	14:15-14:30	Tengda Shi, Fuzhen Chen, Hong Yan Northwestern Polytechnical University Aerodynamic Efficacy of Changing the Chordwise	A0346
3	14:30-14:45	Installation Position of Multi-Winglet on Commercial Aircraft Erina Kobayashi, Kazuhisa Chiba The University of Electro-Communications	A0337
4	14:45-15:00	Effect of mass flow rate on drag reduction with counter-flow jet in laminar hypersonic flow at high Reynolds number  Hee Yoon, Kojiro Suzuki  The University of Tokyo	A0313
		Break 15:00-15:20	
		Session2-2 CFD-2, Room: Ballroom 2 宴会厅 2	
		Chair: Yufei Zhang, Tsinghua University	
1	15:20-15:35	Numerical investigation on an under-expanded Jet from a rectangular nozzle with aft deck Hui Zhang AVIC The First Aircraft Institute	A0274
2	15:35-15:50	Development of Highly Parallel Global Input-Output Solver Youcheng Xi, Song Fu Tsinghua University	A0283
3	15:50-16:05	Calibration and Application of an Algebraic Transitional Model for Fast Prediction of Boundary Layer Transition over High-lift Airfoils Li Li, WU Junsheng, LIANG Yihua AVIC Xi'an Aeronautics Computing Technique Research Institute	A0306
4	16:05-16:20	Drag Reduction Mechanism of Aircraft Passivation Leading Edge Based on Multi-slit Jet Yongsheng Zhao, Jingang Dong, Jiang Zhang, Junfei Wu China Academy of Aerospace Aerodynamics	A0286
5	16:20-16:35	Aerodynamic optimization of an axial compressor using directly manipulated free-form deformation and data-driven optimizer  Yi Liu, Jiang Chen, Hang Xiang  School of Energy and Power Engineering, Beihang University	A0634
6	16:35-16:50	Mixing layer for Incompressible Flows: a Numerical Study Trung Dung Nguyen, The Hung Tran, Sharma Gopal, Jun Tanimoto Le Quy Don Technical University, Kyushu University	A0291
		Break 16:50-17:00	
		Poster Time	

		A.M. Oct 17th	
		Session2-3 CFD-3, Room: Ballroom 2 宴会厅 2	
	1	Chair: <b>Donghun Park</b> , Pusan National University	
		Application of r structured adaptive mesh based on flow field	
		characteristics in separated flow simulation	
1	8:30-8:45	Siyuan Huang, Lei Qiao, Jian Shen, Jiakuan Xu, Junqiang	A0484
		Bai	
		Northwestern Polytechnical University	
		Study on Reduction of Aerodynamic Heating by using	
2	8:45-9:00	Backward Facing Step	A0498
_	0.10 3.00	Daiki Yoshikawa, Ko Ogasawara	110170
		Tokyo University of Science	
		Prediction of Aerodynamic Data of Missile Surface Using	
		Unfolding Mesh Method and Autoencoder	
3	9:00-9:15	Hansol Nam, Kyu Hong Kim, Hansol Yoo, Hyoungjin Kim	A0487
		Department of Aerospace Engineering, Seoul National	
		University	
		Applicability Research and Improvement of Modal Method	
		in CFD/CSD Coupling Static Aeroelastic Analysis	
4	9:15-9:30	Kun Mao, Wuxing Jing, Fei Xue, Kai Chen, Yong Lu, Yingli	A0119
		Su, Meihong Zhang	
		Harbin Institute of Technology; Shanghai Aircraft Design	
		and Research Institute	
		Break 9:30-9:45	
		Session2-4 CFD-4, Room: Ballroom 2 宴会厅 2	
	T	Chair: Lei Qiao, Northwestern Polytechnical University	
		Numerical Analysis of Aeroacoustic Characteristics of XV-	
1	9:45-10:00	15 Considering Fuselage Interacting and Scattering	A0530
		Dazhi Sun, Xi Chen, Qijun Zhao	
		Nanjing University of Aeronautics and Astronautics	
		Construction of Aerodynamic Database for Flight Simulator	
2	10.00 10.15	of Lift-Cruise Type eVTOL Aircraft	A 05.61
2	10:00-10:15	Wooseung Lee, Myungsik Tai, Dahye Kim, Seongwook	A0561
		Choi, Donghun Park	
		Pusan National University  Numerical investigation of the effect of aircraft nose wall	
		$\mathcal{E}$	
		waviness on the hole pressure of the static pressure probe	
3	10:15-10:30	Dong-Yun Zhang, Zhen-Wei Wang, Xiang Wu, Biao Wang,	A0186
		He-Yong Xu Northwestern Polytechnical University,	
		Shanghai Aircraft Design and Research Institute, COMAC	
		Numerical Analysis for rotor aeroacoustic characteristics considering the influence of unsteady vortex flowfield in	
		hover	
4	10:30-10:45	Wei Bian, Xi Chen, Muyang Lin, Guoqing Zhao, Bo Wang,	A0087
		Qijun Zhao	
		Nanjing University of Aeronautics and Astronautics	
		Break 10:45-11:00	
		Session2-5 CFD-5, Room: Ballroom 2 宴会厅 2 Chair: <b>Chao Zhou</b> , Beihang University	
		Propulsive/aerodynamic coupled characteristics of the	
1	11:00-11:15	distributed-propulsion-wing in hover and forward flight	A0082
		Kelei Wang, Zhou Zhou	
		Northwestern Polytechnical University  A analyzing A polytic of A infail at Mars Atmospheria	
2	11:15-11:30	Aerodynamic Analysis of Airfoil at Mars Atmospheric	A0562
		Condition by Using Implicit Large Eddy Simulations	

		Sukyung Yoon, Donghun Park	
		Pusan National University	
		Physics informed Neural Network for Eigenvalue Problems	
		in Flow Instability Analysis	
3	11:30-11:45	Jiakuan Xu, Junqiang Bai	A0118
		Northwestern Polytechnical University	
		Research on the Impact of Embedded Weapon Release	
		Characteristics	
4	11:45-12:00	Jia Lian, Junqiang Ai	A0504
		AVIC	
I		P.M. Oct 17th	
		Session2-6 CFD-6, Room: Ballroom 2 宴会厅 2	
	(	Chair: Gang Wang, Northwestern Polytechnical University	
		Study on unsteady ventilation for aircraft cabins	
1	14:00-14:15	Yun Wei, Shaoxia Li	A0157
•	11.00 11.12	Civil Aviation University of China	110157
		Establishing System-Level Design Process and Platform for	
		Unmanned Vehicles	
2	14:15-14:30	Jeonghwan Kim, Hyunsoo Kim, Hojin Kim, Younghyo Kim,	A0309
_	11.15 11.50	Kybeom Kwon, Kwanjung Yee	110507
		Seoul National University	
		An Approach to Aerodynamic Problems during Supersonic	
		Flight on Mars Using CFD	
3	14:30-14:45	Takafumi Yamada, Atsushi Okamoto	A0647
		National Institute of Technology, Tsuyama College	
		Investigation on the folding method and inflation process of	
		ram air parachute	
4	14:45-15:00	Qi Liu, Gang Yu	A0247
7	14.45 15.00	Aerospace Life-Support Industries Ltd. AVIC, Hubei	110247
		University of Arts and Science	
l		Break 15:00-15:20	
		Session2-7 CFD-7, Room: Ballroom 2 宴会厅 2	
	Chair: Tak	afumi Yamada, National Institute of Technology, Tsuyama Colle	ege
		GPU-Accelerated Flow Simulations on Unstructured Grids	- 6-
		using a Multi-Colored Gauss-Seidel Method	
1	15:20-15:35	Liu Yang, Jian Yang	A0177
		MetaX Integrated Circuits (Shanghai) Co., Ltd	
		A Parametric Study on Effect of Porous Surface on	
		Hypersonic Boundary Layer Instability	
2	15:35-15:50	Jonghyeong Park, Donghun Park	A0600
		Pusan national university	
		A Spanwise Loss Model of Turbine Cascade With Tip	
		Clearance Based on Machine Learning	
3	15:50-16:05	Yucheng Chen, Donghai Jin, Xingmin Gui	A0241
		Beihang University	
		Investigation on the Effect of Honeycomb to the Leakage of	
		Labyrinth Seal within Support Seal System	
4	16:05-16:20	Wei Zhang, Aleksandr Vinogradov, Peng Sun	A0292
		Samara National Research University	
		Numerical Investigation of Active Flow Control of Blade	
_	16.20 16.25	Synthetic Jet on Performance and Stability of Transonic Axial Compressor Rotor	A 0.155
5	16:20-16:35	Guang Wang, Wenhao Liu, Wuli Chu	A0155
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j .		Guilin University of Aerospace Technology	

Track 3 (Ballroom 3 宴会厅 3)

		Track 3 (Ballroom 3 宴会厅 3)	
		P.M. Oct 16th  Session 2.1 Airgroft Design 1. Reamy Pollmann 2. 宮本屋 2	
		Session3-1 Aircraft Design-1, Room: Ballroom 3 宴会厅 3 Chair: <b>Ke Zhao</b> , Northwestern Polytechnical University	
		Aerodynamic shape optimization on the wing/nacelle configuration of a distributed tiltrotor aircraft	
1	14:00-14:15	Jiahui Song, Yue Wang	A0392
		Northwestern Polytechnical University  Research on Real Time Prediction Method of Aircreft Elight Load Research	
		Research on Real Time Prediction Method of Aircraft Flight Load Based on Digital Twin Technology	
2	14:15-14:30	Congling Lu, Ning Zong, Xuemei Shi	A0460
	14.13-14.30	Yangzhou Collaborative Innovation Research Institute, Shenyang	A0400
		Aircraft Design & Research Institute	
		Aerodynamic Optimization Design Using Two-Stage Optimization	
		Based on BezierGAN Parameterization	
3	14:30-14:45	Xie XiaoYe, Duan YanHui	A0396
		School of Systems Science and Engineering, Sun Yat-Sen University	
		Air-water Dual Purpose Rotor Shape Optimization of Trans-medium	
		Air-water Duar 1 urpose Rotor Shape Optimization of Trans-medium	
4	14:45-15:00	Fan Yang, Xi Chen, Guoqing Zhao, Qijun Zhao	A0479
		Nanjing University of Aeronautics and Astronautics	
		Break 15:00-15:20	
		Session3-2 Aircraft Design-2, Room: Ballroom 3 宴会厅 3	
		Chair: <b>Yasong Qiu</b> , Northwestern Polytechnical University	
		An Aeronautical System Parameters Modeling Method Crossing Muti-	
		Architecture Levels in the MBSE Approach	
1	15:20-15:35	Yuqiang Guo, Junxian Guo	A0492
		China Helicopter Research and Development Institute	
		Influence of Viscosity Coefficient Variation in Discrete Adjoint Method	
		Jun Deng, Ke Zhao, Wei Zhang, Jiangtao Huang, Lu Xia, Zhenghong	
2	15:35-15:50	Gao	A0494
		Northwestern Polytechnical University	
		An Efficient Multi-Objective Aerodynamic Shape Optimization based	
		on Geometric Reduction model	
3	15:50-16:05	Xingyu Shi, Yanhui Duan	A0549
		Sun Yat-sen University	
		Multidisciplinary Design Optimization of TSTO Spaceplane with	
		Airbreathing Engines	
4	16:05-16:20	Masaki Honda, Takahiro Fujikawa, Koichi Yonemoto, Hiroaki	A0565
7	10.03-10.20	Kobayashi, Yusuke Maru	A0303
		Tokyo University of Science	
		Break 16:20-17:00	
		DIVAR 10.20-17.00	
		Poster Time	
-		A.M. Oct 17th	
		Session3-3 Aircraft Design-3, Room: Ballroom 3 宴会厅 3	
		Chair: <b>Yoshinobu Inada</b> , Tokai University	
		SVR enhanced Kriging for optimization with noisy evaluations	
1	8:30-8:45	Ke-shi zhang, You-quan Du	A0620
1	0.50-0.45	Northwestern Polytechnical University	110020
		Airfoil Optimization in Propeller Slipstream Based on Generative	
		Adversarial Network	
2	8:45-9:00	Ziyu Li, MingChao Yang, Zhengping Wang, Zhou Zhou, Wenling Wei	A0631
		Xi'an Flight Automatic Control Research Institute	
		Analysis of Hydrodynamic Ram Effect of Aircraft Fuel Tank Filled with	
3	9:00-9:15	Foam under Fragment Impact	A0341
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		Meng tao Zhang, Yang Pei, Yin jie Ma, Yu xue Ge	
		School of Aeronautics, Northwestern Polytechnical University	
		Challenges for Integration of Drone into National Airspace System	
4	9:15-9:30	Shengjun Qi	A0361
		Chinese Flight Test Establishment	
		Break 9:30-9:45	
		Session3-4 Aircraft Design-4, Room: Ballroom 3 宴会厅 3	
		Chair: Cees Bil, RMIT University	
		Aerodynamic Simulations of a Cargo UAV with Twin-Boom and Rear-	
1	9:45-10:00	Mounted Propeller	A0659
1	7.43-10.00	Changning Chen, Xiaolu Wang	A0037
		Zhengzhou University of Aeronautics	
		Optimum Wing Design of Tandem Wing Aircraft Using Microbial	
		Genetic Algorithm and Aerodynamic Performance Analyzing Software	
2	10:00-10:15	XFLR5	A0680
		Yoshinobu Inada, Chunhui Li	
		Tokai University	
		Low-Boom Design of T-Tail Supersonic Transport Conceptual	
3	10:15-10:30	Configuration	A0723
	10.12 10.20	Qing Chen, Zhonghua Han	110723
		Northwestern Polytechnical University	
		Aerodynamic study of variable swept wing for a wide-Mach-number-	
4	10:30-10:45	range aircraft	A0693
-		Jianhua Ma, Yue Wang	
		Northwestern Polytechnical University	
		Break 10:45-11:00	
		Session3-5 Aircraft Design-5, Room: Ballroom 3 宴会厅 3	
		Chair: <b>Zhonghua Han</b> , Northwestern Plytechnical University	1
		Impact of geographical and logistics considerations on the life cycle assessment of launchers	
1	11:00-11:15	Thomas Bellier, Cees Bil, Joseph Morlier, Annafederica Urbano, Adrian	A0674
1	11.00-11.13	Pudsey	A0074
		RMIT University	
		Design and Parameters Analysis of a Solar Powered UAV for Extended	
		Endurance	
2	11:15-11:30	Zong Jia, Shao Zhuang, Zhou Zhou	A0322
		Northwestern Polytechnical University	
		A Novel Optimization Approach of Transonic Buffet for a Supercritical	
		Airfoil	
3	11:30-11:45	Tianshi Cao, Junqiang Bai, Yasong Qiu, Min Zhong	A0285
		Northwestern Polytechnical University	
		Simulation of propeller slipstream and its effect on wing	
4	11:45-12:00	Qinze Zheng, Yu Liang, Xiaowen Shan	A0324
-		Southern University of Science and Technology	
		P.M. Oct 17th	1
		Session3-6 Aircraft Design-6, Room: Ballroom 3 宴会厅 3	
		Chair: Wenping Song, Northwestern Polytechnical University	
		Research on multi-objective optimization and uncertainty analysis of	
4	14 00 14 15	supersonic aircraft	4.0736
1	14:00-14:15	Xiao Luo, Chao Song, Bo Chen, Hong Yang Liu, Yu Tang, Tao Tang	A0726
		China Aerodynamics Research and Development Center	1
		Multi-Objective Aerodynamic Design Optimization of Rotor Airfoils	
_	14.15 14 20	using an Efficient Surrogate-Based Algorithm	A 0722
2	14:15-14:30	Zuo Lu, Zhong-Hua Han, Wen-Ping Song, Ke-Shi Zhang	A0733
		Northwestern Polytechnical University	]
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		A Rapid Evaluation Method for the Aero-propulsion Coupling	
3	14:30-14:45	Characteristics of a Distributed Electric Propulsion Aircraft	A0205
3	14.30-14.43	Haoliang Yu, Tao Lei, Xingyu Zhang, Xiaobin Zhang	A0203
		Northwestern Polytechnical University	
		An Inverse Design Method for Wing Shape Optimization Guided by	
4	14:45-15:00	Spanwise Lift Distribution	A0734
4	14:43-13:00	Heng-Bo Guo, Zhong-Hua Han, Yang Zhang, Wen-Ping Song	A0734
		Northwestern Polytechnical University	1
		Break 15:00-15:20	
		Session3-7 Aircraft Design-7, Room: Ballroom 3 宴会厅 3	
		Chair: Xiaolu Wang, Zhengzhou University of Aeronautics	
		Standardization Process of Multirotor UAV using Optimal Design	
		Framework, Part 1: UAV Grouping Methodology with Clustering and	
1	15:20-15:35	Classification Algorithms	A 0221
1	15:20-15:35	Sangsoo Jang, Chanho Kim, Dohoon Kim, Hansol Nam, Do Ye Park,	A0221
		Min Woo Kang, Deok-Young Lee, Kyu Hong Kim, Deokgeon Kim	
		Seoul National University	1
		Standardization Process of Multirotor UAV using Optimal Design	
2	15:35-15:50	Framework, Part 2: Standard Specification of Grouped UAVs	A0209
2	15:55-15:50	Kyu Hong Kim, Chanho Kim	A0209
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		Effect of wing pressure distribution on sonic-boom intensity of	
3	15:50-16:05	supersonic transport aircrafts	A 0521
3	15:50-16:05	Kefeng Zheng, Wenping Song	A0531
		Northwestern Polytechnical University	1
		Conceptual Design of an Ultra-Long-Endurance UAV Using Self-	
4	16:05-16:20	Focusing Microwave Wireless Power Transmission	A0115
4	10.03-10.20	Long Zhou, Linggong Zhao, Ganglin Wang, Qian Xiang	A0113
		Chinese Aeronautical Establishment	1
		Aerodynamic Analysis of a rotor-embedded VTOL UAV	
5	16:20-16:35	Shunshun Zhu, Xiaolu Wang	A0423
		Zhengzhou University of Aeronautics	7

Track 4 (Meeting Room A 会议室 A)

		Track 4 (Meeting Room A 会议室 A)	
		P.M. Oct 16th	
		Session4-1 Engines-1, Room: Meeting Room A 会议室 A	
		Chair: <b>Jianping Wang</b> , Peking University	_
		CFD Modeling of Sustainable Aviation Fuel Sensitivity on Aero-engine	
1	14:00-14:15	Combustor	A0070
1	14.00 14.13	Songyang Li, Ruixin Wang, Wenjie Tao	710070
		AECC Commercial Aircraft Engine Co., ltd	
		Ignition and Combustion Characteristics of Atomized Al–Mg Alloy	
2	14:15-14:30	Particles with Different Compositions	A0232
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		National University of Defense Technology	
		Research on the Effect of Front Variable Area Bypass Injector	
		Modulation on the Adaptive Cycle Engine Performance Based on Multi-	
3	14:30-14:45	Fidelity Simulation	A0318
		Zhewen Xu, Hailong Tang, Jingmei Cong, Min Chen, Jiyuan Zhang	
		Beihang University	
		Design Optimization of A Honeycomb Bluff Body for Hydrogen	
4	14:45-15:00	Micromix Combustion	A0097
-	14.45-15.00	Da Mo, Hongyu Ma, Yuzhen Lin, Xiao Han	110077
		AECC Shenyang Engine Research Institute	
		Break 15:00-15:20	
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1	15:20-15:35	Zian Wang, Min Chen, Hailong Tang, Jiyuan Zhang, Linge Tang, Yi	A0373
		Xiao	
		Beihang University	
		A Multidisciplinary Model-based Engine Rotor Integrity Assessment	
2	15:35-15:50	Approach Derived from System Safety Requirements	A0242
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		Beihang University	
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3	15:50-16:05	Turbofan Engines Durability Test	A0481
3	13.30-10.03	Xinhao Tang, Wendi Xu	A0461
		Aero Engine	
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4	16:05-16:20	Separation and Recombination	A0679
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		School of Mechanical Engineering, Xi'an Jiaotong University	
		Research on Distributed Intelligent Node	
5	16:20-16:35	Ming Yu, Wei Niu	A0167
		Xi'an Aeronautics Computing Technique Research Institute, AVIC	
		Break 16:35-17:00	
		Poster Time	
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		Space Agency for ASEAN: Has the Time Come?	
1	8:30-8:45	Riccardo Corrado, Maximilien Berthet	A0673
1	0.50-0.45	American University of Phnom Penh	A00/3
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Chi-Wook Oh, Chol-Woo Lim, Hungu Lee, Jae-Heon Jeong, Hyun-Ok Kim, Chi ho Kang SaTReC, KAIST  Conceptual Design of a Navigation Satellite utilizing the CubeSat platform for the future Lunar Navigation Satellite system  Hyewon Park, Sunhwan Gwon, Kihyun Kim, Minji Kim, HyunJoong Kim, Ah-yeon Park, Pilkyo Jeong, O-jong Kim sejong university  Overview of the Payload Support Capability of the Aerospace Basic Experiment Cabinet of the China Tiangong Space Station Zhao Yin, Pei Guo, Zheng yi Wang, Jin lu Yang, Yan Song Beijing Institute of Spacecraft System Engineering  Break 9:30-9:45  Session4-4 Heat and Cooling, Room: Meeting Room A 会议室 A Chair: Liangxing Li, Xi'an Jiaotong University  Performance analysis of turbine-powered air circulation system Qihang Lu, Dalin Zhang Nanjing Engineering Institute of Aircraft Systems, Nanjing University of Aeronautics and Astronautics	732
Junchan Lee, Eunjin Jang, Hyo Jin Jeong, Sukmin Choi, Chang Ho Woo, Son-Goo Kim, Se-Yeon Kim, Seung-han Oh, Sang-Hyun Lee, Chol Lee, Chi-Wook Oh, Chol-Woo Lim, Hungu Lee, Jae-Heon Jeong, Hyun-Ok Kim, Chi ho Kang SaTReC, KAIST	732
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Session4-4 Heat and Cooling, Room: Meeting Room A 会议室 A Chair: Liangxing Li, Xi'an Jiaotong University   Performance analysis of turbine-powered air circulation system   Qihang Lu, Dalin Zhang   Nanjing Engineering Institute of Aircraft Systems, Nanjing University of Aeronautics and Astronautics   A00   A00	335
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9:45-10:00 Qihang Lu, Dalin Zhang Nanjing Engineering Institute of Aircraft Systems, Nanjing University of Aeronautics and Astronautics	
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University	
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3   11:30-11:45   Surrogate Model	
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Yixiong Liu, Dingxi Wang, Xiangping Wang, Qing Du, Hanzi Zhang AECC Shenyang Engine Research Institute   Nonlinear Aeroelastic Study of an All-Movable Horizontal Tail with Multiple Free-Plays and Angle of Attack   Xinyu Ai, Yuguang Bai, Wei Qian, Xiangyan Chen, Zheng Chen, Yuhai Li Dalian University of Technology   P.M. Oct 17th
AECC Shenyang Engine Research Institute  Nonlinear Aeroelastic Study of an All-Movable Horizontal Tail with Multiple Free-Plays and Angle of Attack  Xinyu Ai, Yuguang Bai, Wei Qian, Xiangyan Chen, Zheng Chen, Yuhai Li Dalian University of Technology  P.M. Oct 17th  Session4-6 Structures and Materials-2, Room: Meeting Room A 会议室 A  Chair: Xiasheng Sun, Chinese Aeronautical Establishment  A stiffener layout design method for vibration reduction in a wide frequency band Anlue Li, Yu Fan, Yaguang Wu, Lin Li Beihang University  Shock Response Spectrum of Pyroshock Simulation Test Device Using Circular Resonator Plate with Variable Thickness Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping Yu Hu, Yu Fan, Yaguang Wu, Lin Li Beihang University (BUAA)
Nonlinear Aeroelastic Study of an All-Movable Horizontal Tail with Multiple Free-Plays and Angle of Attack   Xinyu Ai, Yuguang Bai, Wei Qian, Xiangyan Chen, Zheng Chen, Yuhai Li Dalian University of Technology   P.M. Oct 17th
Multiple Free-Plays and Angle of Attack   Xinyu Ai, Yuguang Bai, Wei Qian, Xiangyan Chen, Zheng Chen, Yuhai Li   Dalian University of Technology   P.M. Oct 17th
Solution   Session   Structures and Materials   Session   Structures and Materials   Session   Structures and Materials   Session   Structures and Materials   Session   Structures   St
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P.M. Oct 17th  Session4-6 Structures and Materials-2, Room: Meeting Room A 会议室 A  Chair: Xiasheng Sun, Chinese Aeronautical Establishment  A stiffener layout design method for vibration reduction in a wide frequency band  Anlue Li, Yu Fan, Yaguang Wu, Lin Li  Beihang University  Shock Response Spectrum of Pyroshock Simulation Test Device Using Circular Resonator Plate with Variable Thickness  Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping  Yu Hu, Yu Fan, Yaguang Wu, Lin Li  Beihang University (BUAA)
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Chair: Xiasheng Sun, Chinese Aeronautical Establishment  A stiffener layout design method for vibration reduction in a wide frequency band  Anlue Li, Yu Fan, Yaguang Wu, Lin Li  Beihang University  Shock Response Spectrum of Pyroshock Simulation Test Device Using Circular Resonator Plate with Variable Thickness  Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping  Yu Hu, Yu Fan, Yaguang Wu, Lin Li  Beihang University (BUAA)
Chair: Xiasheng Sun, Chinese Aeronautical Establishment  A stiffener layout design method for vibration reduction in a wide frequency band  Anlue Li, Yu Fan, Yaguang Wu, Lin Li  Beihang University  Shock Response Spectrum of Pyroshock Simulation Test Device Using Circular Resonator Plate with Variable Thickness  Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping  Yu Hu, Yu Fan, Yaguang Wu, Lin Li  Beihang University (BUAA)
1 14:00-14:15  A stiffener layout design method for vibration reduction in a wide frequency band Anlue Li, Yu Fan, Yaguang Wu, Lin Li Beihang University  Shock Response Spectrum of Pyroshock Simulation Test Device Using Circular Resonator Plate with Variable Thickness Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping Yu Hu, Yu Fan, Yaguang Wu, Lin Li Beihang University (BUAA)
1 14:00-14:15   frequency band   Anlue Li, Yu Fan, Yaguang Wu, Lin Li   Beihang University    2 14:15-14:30   Shock Response Spectrum of Pyroshock Simulation Test Device Using Circular Resonator Plate with Variable Thickness   Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University    3 14:30-14:45   Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping   Yu Hu, Yu Fan, Yaguang Wu, Lin Li   Beihang University (BUAA)   A02
Anlue Li, Yu Fan, Yaguang Wu, Lin Li Beihang University  Shock Response Spectrum of Pyroshock Simulation Test Device Using Circular Resonator Plate with Variable Thickness Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping Yu Hu, Yu Fan, Yaguang Wu, Lin Li Beihang University (BUAA)
Beihang University  Shock Response Spectrum of Pyroshock Simulation Test Device Using Circular Resonator Plate with Variable Thickness  Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping  Yu Hu, Yu Fan, Yaguang Wu, Lin Li  Beihang University (BUAA)
Shock Response Spectrum of Pyroshock Simulation Test Device Using Circular Resonator Plate with Variable Thickness Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping Yu Hu, Yu Fan, Yaguang Wu, Lin Li Beihang University (BUAA)
2 14:15-14:30 Circular Resonator Plate with Variable Thickness Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping Yu Hu, Yu Fan, Yaguang Wu, Lin Li Beihang University (BUAA)
Yeon-Ju Kim, Hyun-Jun Cho, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping Yu Hu, Yu Fan, Yaguang Wu, Lin Li Beihang University (BUAA)
Chungnam National University  Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping  Yu Hu, Yu Fan, Yaguang Wu, Lin Li  Beihang University (BUAA)  Chungnam National University  A02
3 14:30-14:45 Dynamic Characteristic Analysis of S-shaped Elastic Ring Support with Piezoelectric Damping Yu Hu, Yu Fan, Yaguang Wu, Lin Li Beihang University (BUAA)
3 14:30-14:45 Piezoelectric Damping Yu Hu, Yu Fan, Yaguang Wu, Lin Li Beihang University (BUAA)  A02
Yu Hu, Yu Fan, Yaguang Wu, Lin Li Beihang University (BUAA)
Beihang University (BUAA)
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4 14:45-15:00 Response Characteristics of the Splittered Impeller via ROM  Keicheng Liv Vincling Von Zhoovy Liv
Kaicheng Liu, Yingliang Yan, Zhaoyu Liu
Beijing Aerospace Propulsion Institute
Break 15:00-15:20
Session4-7 Aeroelasticity, Room: Meeting Room A 会议室 A
Chair: Weizhe Feng, Dalian University of Technology
Nonlinear Aeroelastic Analysis Framework for the Large-Deformation
1 15:20-15:35 Wing Considering Distributed Propellers' Effects  A02
Xuan Wu, Zhou Zhou
Northwestern Polytechnical University
An optimal trim configuration optimization framework for highly flexible
2   15:35-15:50   aircraft   A02
Jiachen Wang, Zhou Zhou
School of Aeronautics, Northwestern Polytechnical University
Equivalent Beam Modeling Method for Geometric Nonlinear Static
3 15:50-16:05 Aeroelastic Analysis A02
Zhiying Chen, Yang Meng, Zhiqiang Wan, Chao Yang
Beihang University
Performance Analysis of Conformal Antenna considering Aeroelastic
4 16:05-16:20 Response A01
ΔΠΙ
Chao An, Rui Zhao, Changchuan Xie, Chao Yang
Beihang University  Chao An, Rui Zhao, Changchuan Xie, Chao Yang  Beihang University
Beihang University  Influence of Kinematics on Aerodynamic Characteristics of an Albatross-
Beihang University  Influence of Kinematics on Aerodynamic Characteristics of an Albatross-like Flexible Flapping Wing in Forward Flight
Beihang University  Influence of Kinematics on Aerodynamic Characteristics of an Albatross-

Track 5 (Meeting Room B 会议室 B)

Session5-1 Engines-3(organized), Room: Mecting Room B 会议室B   Chair Dong L.V., Dalian University of Technology			Track 5 (Meeting Room B 会议室 B)	
Chair: Dong Lv, Dalian University of Technology			P.M. Oct 16th	
14:00-14:15				
1   14:00-14:15				
14:00-14:15   Changlin Yang, Jiantong Yang, Xinliang Tian				
Changlin Yang, Jiantong Yang, Amining Han   Aeronautics Computing Technology Research Institute   Optimization and Evaluation of Supersonic Civil Aircraft Propulsion   System Scheme Design Driven by Multiple Evaluation Indicators   Guohe Jiang, Min Chen, Jingmei Cong, Hailong Tang, Jiyuan Zhang   School of Energy and Power Engineering, Beihang University   A Preliminary Flow Path Design Tool for Advanced Aero-Engine   A0372   Beihang University   Modeling and Control Law Optimization Design of Starting process of the Three-shaft Turboshaft Engine   Dongxu Yan, Hailong Tang, Min Chen, Jiyuan Zhang, Pengcheng Dong, Juhao Zhou   Research Institute of Aero-Engine, Beihang University   Break 15:00-15:20   Session5-2 Engines-4, Room: Meeting Room B 全议室B   Chair: Min Chen, Beihang University   Experimental study on film heating efficiency of the full surface for inlet cone   Qi Jia, Xinwei Jiang, Jianjun Zhou, Yundan Li, Weijiang Xu   A6CC Shenyang Engine Research Institute   Thermal load sensitivity analysis and mass reduction design of heat pipe turbine disk   Yuchen Zhang, Gou Li, Guohua Zhang, Shuiting Ding   Beihang University School of Energy and Power Engineering   A0235   A02	1	14.00-14.15		A0116
Optimization and Evaluation of Supersonic Civil Aircraft Propulsion System Scheme Design Driven by Multiple Evaluation Indicators Guohe Jiang, Min Chen, Jingmei Cong, Hailong Tang, Jiyuan Zhang School of Energy and Power Engineering, Beihang University A Preliminary Flow Path Design Tool for Advanced Aero-Engine Beihang University Modeling and Control Law Optimization Design of Starting process of the Three-shaft Turboshaft Engine Dongxu Yan, Hailong Tang, Min Chen, Jiyuan Zhang, Pengcheng Dong, Juhao Zhou Research Institute of Aero-Engine, Beihang University Break 15:00-15:20	1	11.00 11.15		710110
A0348   System Scheme Design Driven by Multiple Evaluation Indicators Guohe Jiang, Min Chen, Jingmei Cong, Hailong Tang, Jiyuan Zhang School of Energy and Power Engineering, Beihang University A Preliminary Flow Path Design Tool for Advanced Aero-Engine Zhewen Xu, Hailong Tang, Min Chen, Jiyuan Zhang Beihang University Modeling and Control Law Optimization Design of Starting process of the Three-shaft Turboshaft Engine Dongx Yan, Hailong Tang, Min Chen, Jiyuan Zhang, Pengcheng Dong, Juhao Zhou Research Institute of Aero-Engine, Beihang University Break 15:00-15:20 Session5-2 Engines-4, Room: Meeting Room B 会议第 B Chair Min Chen, Beihang University Chair Min Chen, Beihang University Experimental study on film heating efficiency of the full surface for inlet cone Qi Jia, Xinwei Jiang, Jianjun Zhou, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute Thermal load sensitivity analysis and mass reduction design of heat pipe turbine disk Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding Beihang University School of Energy and Power Engineering Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio Xincan Le, Dong Lv Dalian University of Technology    Poster Time   A.M. Oct 17th Scssion5-3 Engines-0, Room: Meeting Room B 会议第 B Chair: Shuiting Ding, Civil Aviation University of China Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruquing Yan Xi* an Jiaotong University Rubine Engine Petingine Chamber and Axial Turbine in a Pulse Detomation Turbine Engine Petingine Chamber and Axial Turbine in a Pulse Detomation Turbine Engine Chamber and Axial Turbine in a Pulse Detomation Turbine Engine Chamber and Axial Turbine Petingine Chamber and Axial Turbine Account Turbine Engine Chamber and Axial Turbine Petingine Chamber and Axial				
August				
Guohe Jiang, Min Chen, Jingmeir Cong, Hailong Tang, Jiyuan Zhang School of Energy and Power Engineering, Beihang University A Preliminary Flow Path Design Tool for Advanced Aero-Engine Zhewen Xu, Hailong Tang, Min Chen, Jiyuan Zhang Beihang University Modeling and Control Law Optimization Design of Starting process of the Three-shaft Turboshaft Engine Dongx Yan, Hailong Tang, Min Chen, Jiyuan Zhang, Pengcheng Dong, Juhao Zhou Research Institute of Aero-Engine, Beihang University Break 15:00-15:20   Session5-2 Engines-4, Room: Meeting Room B 会议室 B	2	14:15-14:30	· · · · · · · · · · · · · · · · · · ·	A0348
A Preliminary Flow Path Design Tool for Advanced Aero-Engine Zhewen Xu, Hailong Tang, Min Chen, Jiyuan Zhang Beihang University	-	11.15 11.50		1105 10
3   14:30-14:45   Zhewen Xu, Hailong Tang, Min Chen, Jiyuan Zhang   A0372   Beihang University   Modeling and Control Law Optimization Design of Starting process of the Three-shaft Turboshaft Engine   Dongxu Yan, Hailong Tang, Min Chen, Jiyuan Zhang, Pengcheng Dong, Juhao Zhou   Research Institute of Aero-Engine, Beihang University   Break 15:00-15:20   Session5-2 Engines-4, Room: Meeting Room B 会议室 B   Chair: Min Chen, Beihang University   Experimental study on film heating efficiency of the full surface for inlet cone   Qi Jia, Xinwei Jiang, Jianjun Zhou, Yundan Li, Weijiang Xu   AECC Shenyang Engine Research Institute   Thermal load sensitivity analysis and mass reduction design of heat pipe turbine disk   Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding   Beihang University School of Energy and Power Engineering   Numerical simulation on jet impingement heat transfer with cross flow for acroengine inlet cone   Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu   AECC Shenyang Engine Research Institute   Aerodynamic Design and Study of a Vaneless Counter-Rotating Power   Turbine with a High Output Power Ratio   Xincan Le, Dong Lw   Dalian University of Technology   Break 16:20-17:00   Poster Time   A.M. Oct 17th   Session5-3 Engines-0, Room: Meeting Room B 会议室 B   Chair: Shuiting Ding, Civil Aviation University of China   Intelligent Maintenance for Aero-Engines: Embracing Interpretable   Artificial Intelligence   Ruqiang Yan   Xi'an Jiaotong University   Research on the Interaction between the Detonation Chamber and Axial   Turbine in a Pulse Detonation Turbine Engine   Pulse   P				
Beihang University   Modeling and Control Law Optimization Design of Starting process of the Three-shaft Turboshaft Engine   Dongxu Yan, Hailong Tang, Min Chen, Jiyuan Zhang, Pengcheng Dong, Juhao Zhou   Research Institute of Aero-Engine, Beihang University   Break 15:00-15:20   Session5-2 Engines-4, Room: Meeting Room B 会议室 B				
Modeling and Control Law Optimization Design of Starting process of the Three-shaft Turboshaft Engine   Dongxu Yan, Hailong Tang, Min Chen, Jiyuan Zhang, Pengcheng Dong, Juhao Zhou   Research Institute of Aero-Engine, Beihang University	3	14:30-14:45		A0372
Three-shaft Turboshaft Engine Dongxu Yan, Hailong Tang, Min Chen, Jiyuan Zhang, Pengcheng Dong, Juhao Zhou Research Institute of Aero-Engine, Beihang University Break 15:00-15:20 Session5-2 Engines-4, Room: Meeting Room B 会议室 B Chair: Min Chen, Beihang University Experimental study on film heating efficiency of the full surface for inlet cone Qi Jia, Xinwei Jiang, Jianjun Zhou, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute Thermal load sensitivity analysis and mass reduction design of heat pipe turbine disk Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding Beihang University School of Energy and Power Engineering Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio Xincan Le, Dong Lv Dalian University of Technology  Break 16:20-17:00  A.M. Oct 17th Session5-3 Engines-0, Room: Meeting Room B 会议室 B Chair: Shuiting Ding, Civil Aviation University of China Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruiqiang Yan Xi'an Jiaotong University Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine				
August   14:45-15:00     Dongxu Yan, Hailong Tang, Min Chen, Jiyuan Zhang, Pengcheng Dong, Juhao Zhou   Research Institute of Aero-Engine, Beihang University   Break 15:00-15:20   Session5-2 Engines-4, Room: Meeting Room B 会议室 B   Chair: Min Chen, Beihang University   Chair: Min Chen, Beihang University   Chair: Min Chen, Beihang University   Experimental study on film heating efficiency of the full surface for inlet cone   Qi Jia, Xinwei Jiang, Jianjun Zhou, Yundan Li, Weijiang Xu   AECC Shenyang Engine Research Institute   Aerodynamic Jesipa Mumerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone   Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu   AECC Shenyang Engine Research Institute   Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio   Xincan Le, Dong Lv   Dalian University of Technology   Break 16:20-17:00   Poster Time   A.M. Oct 17th   Session5-3 Engines-0, Room: Meeting Room B 会议室 B   Chair: Shuiting Ding, Civil Aviation University of China   Intelligent Maintenance for Aero-Engines: Embracing Interpretable   Artificial Intelligence   Ruquiang Yan   Xi'an Jiaotong University   Research on the Interaction between the Detonation Chamber and Axial   Turbine in a Pulse Detonation Turbine Engine   Double Policy   Pulse Petonation Turbine Engine   Policy   Pulse Petonation Turbine Engine   Policy   Pulse Petonation Turbine Engine   Policy   Pulse Petonation Chamber and Axial   Turbine in a Pulse Detonation Chamber and Axial   Turbine in a Pulse Detonation Turbine Engine   Policy   Pulse Petonation Chamber and Axial   Turbine in a Pulse Detonation Chamber and Axial   Pulse Petonation Chamber and Axial   Pulse				
Juhao Zhou   Research Institute of Aero-Engine, Beihang University   Break 15:00-15:20				
Research Institute of Aero-Engine, Beihang University   Break 15:00-15:20     Session5-2 Engines-4, Room: Meeting Room B 会议室 B   Chair: Min Chen, Beihang University     I   15:20-15:35   Experimental study on film heating efficiency of the full surface for inlet cone   Qi Jia, Xinwei Jiang, Jianjun Zhou, Yundan Li, Weijiang Xu   AECC Shenyang Engine Research Institute   Thermal load sensitivity analysis and mass reduction design of heat pipe turbine disk   Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding   Beihang University School of Energy and Power Engineering   Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone   Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu   AECC Shenyang Engine Research Institute   Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio   Xincan Le, Dong Lv   Dalian University of Technology   Break 16:20-17:00   Poster Time   A.M. Oct 17th   Session5-3 Engines-0, Room: Meeting Room B 会议室 B   Chair: Shuiting Ding, Civil Aviation University of China   Intelligent Maintenance for Aero-Engines: Embracing Interpretable   Artificial Intelligence   Ruqqiang Yan   Xi'an Jiaotong University   Turbine Engine   Turbine Engine   Postine   Posti	4	14:45-15:00		A0357
Break 15:00-15:20     Session5-2 Engines-4, Room: Meeting Room B 会议室 B     Chair: Min Chen, Beihang University     Experimental study on film heating efficiency of the full surface for inlet cone     Qi Jia, Xinwei Jiang, Jianjun Zhou, Yundan Li, Weijiang Xu     AECC Shenyang Engine Research Institute     Thermal load sensitivity analysis and mass reduction design of heat pipe turbine disk     Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding     Beihang University School of Energy and Power Engineering     Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone     Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu     AECC Shenyang Engine Research Institute     Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio     Xincan Le, Dong Lv     Dalian University of Technology     Break 16:20-17:00     A.M. Oct 17th     Session5-3 Engines-0, Room: Meeting Room B 会议室 B     Chair: Shuiting Ding, Civil Aviation University of China     Intelligent Maintenance for Aero-Engines: Embracing Interpretable     Artificial Intelligence     Ruqiang Yan     Xi'an Jiaotong University     Research on the Interaction between the Detonation Chamber and Axial     Turbine in a Pulse Detonation Turbine Engine				
Session5-2 Engines-4, Room: Meeting Room B 会议室 B Chair: Min Chen, Beihang University    Experimental study on film heating efficiency of the full surface for inlet cone   Qi Jia, Xinwei Jiang, Jianjun Zhou, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute   Thermal load sensitivity analysis and mass reduction design of heat pipe turbine disk Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding Beihang University School of Energy and Power Engineering Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio Xincan Le, Dong Lv Dalian University of Technology   Poster Time				
Experimental study on film heating efficiency of the full surface for inlet cone				
Experimental study on film heating efficiency of the full surface for inlet cone				
1   15:20-15:35   Cone   Qi Jia, Xinwei Jiang, Jianjun Zhou, Yundan Li, Weijiang Xu   AECC Shenyang Engine Research Institute   Thermal load sensitivity analysis and mass reduction design of heat pipe turbine disk   Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding   Beihang University School of Energy and Power Engineering   Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone   Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu   AECC Shenyang Engine Research Institute   Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio   Xincan Le, Dong Lv   Dalian University of Technology   Break 16:20-17:00   Poster Time   A.M. Oct 17th   Session5-3 Engines-0, Room: Meeting Room B 会议室 B   Chair: Shuiting Ding, Civil Aviation University of China   Intelligent Maintenance for Aero-Engines: Embracing Interpretable   Artificial Intelligence   Ruqiang Yan   Xi'an Jiaotong University   Research on the Interaction between the Detonation Chamber and Axial   Turbine in a Pulse Petonation Turbine Engine   Posteroation Turbine Engine   Posteroation State   Posteroation Turbine Engine   Posteroation Chamber and Axial   Turbine in a Pulse Petonation Turbine Engine   Posteroation Chamber and Axial   Turbine in a Pulse Petonation Turbine Engine   Posteroation Turbine Engine   Posteroation Chamber and Axial   Turbine in a Pulse Petonation Turbine Engine   Posteroation Turbine Engine   Posteroation Chamber   Post				
1   15:20-15:35   Qi Jia, Xinwei Jiang, Jianjun Zhou, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute   Thermal load sensitivity analysis and mass reduction design of heat pipe turbine disk Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding Beihang University School of Energy and Power Engineering   Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone   Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute   Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio   Xincan Le, Dong Lv   Dalian University of Technology   Break 16:20-17:00   Poster Time   A.M. Oct 17th   Session5-3 Engines-0, Room: Meeting Room B 会议室 B   Chair: Shuiting Ding, Civil Aviation University of China   Intelligent Maintenance for Aero-Engines: Embracing Interpretable   Artificial Intelligence   Ruqiang Yan   Xi'an Jiaotong University   Research on the Interaction between the Detonation Chamber and Axial   Turbine in a Pulse Detonation Turbine Engine   Poster Property   Poster Property			Experimental study on film heating efficiency of the full surface for inlet	
AECC Shenyang Engine Research Institute   A0235	1	15:20-15:35		A0740
Thermal load sensitivity analysis and mass reduction design of heat pipe turbine disk Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding Beihang University School of Energy and Power Engineering Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio Xincan Le, Dong Lv Dalian University of Technology  Poster Time  A.M. Oct 17th Session5-3 Engines-0, Room: Meeting Room B 会议室 B Chair: Shuiting Ding, Civil Aviation University of China Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine	1	13.20-13.33		110710
15:35-15:50   turbine disk   Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding   Beihang University School of Energy and Power Engineering   Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone   Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu   AECC Shenyang Engine Research Institute   Aerodynamic Design and Study of a Vaneless Counter-Rotating Power   Turbine with a High Output Power Ratio   Xincan Le, Dong Lv   Dalian University of Technology   Break 16:20-17:00   Poster Time   A.M. Oct 17th   Session5-3 Engines-0, Room: Meeting Room B 会议室 B   Chair: Shuiting Ding, Civil Aviation University of China   Intelligent Maintenance for Aero-Engines: Embracing Interpretable   Artificial Intelligence   Ruqiang Yan   Xi'an Jiaotong University   Research on the Interaction between the Detonation Chamber and Axial   Turbine in a Pulse Detonation Turbine Engine				
Yuchen Zhang, Guo Li, Guohua Zhang, Shuiting Ding Beihang University School of Energy and Power Engineering   Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone   Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute   Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio   Xincan Le, Dong Lv   Dalian University of Technology   Break 16:20-17:00   Poster Time   A.M. Oct 17th   Session5-3 Engines-0, Room: Meeting Room B 会议室 B   Chair: Shuiting Ding, Civil Aviation University of China   Intelligent Maintenance for Aero-Engines: Embracing Interpretable   Artificial Intelligence   Ruqiang Yan   Xi'an Jiaotong University   Research on the Interaction between the Detonation Chamber and Axial   Turbine in a Pulse Detonation Turbine Engine				
Seesarch of the Intelligence   Poster Time	2	15:35-15:50		A0235
Numerical simulation on jet impingement heat transfer with cross flow for aero-engine inlet cone   Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu   AECC Shenyang Engine Research Institute   Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio   Xincan Le, Dong Lv   Dalian University of Technology   Break 16:20-17:00      Poster Time   A.M. Oct 17th   Session5-3 Engines-0, Room: Meeting Room B 会议室 B   Chair: Shuiting Ding, Civil Aviation University of China   Intelligent Maintenance for Aero-Engines: Embracing Interpretable   Artificial Intelligence   Ruqiang Yan   Xi'an Jiaotong University   Research on the Interaction between the Detonation Chamber and Axial   Turbine in a Pulse Detonation Turbine Engine   Turbine Engine   Poster Progree   Post		13.33 13.30		110233
A0112   A0112   A0112   AECC Shenyang Engine Research Institute   Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio   Xincan Le, Dong Lv   Dalian University of Technology   Break 16:20-17:00   A0563   A0563   AM. Oct 17th   Session5-3 Engines-0, Room: Meeting Room B 会议室 B   Chair: Shuiting Ding, Civil Aviation University of China   Intelligent Maintenance for Aero-Engines: Embracing Interpretable   Artificial Intelligence   Ruqiang Yan   Xi'an Jiaotong University   Research on the Interaction between the Detonation Chamber and Axial   Turbine in a Pulse Detonation Turbine Engine   A0112				
Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu AECC Shenyang Engine Research Institute				
Xinwei Jiang, Jianjun Zhou, Qi Jia, Yundan Li, Weijiang Xu	3	15:50-16:05		A0112
Aerodynamic Design and Study of a Vaneless Counter-Rotating Power Turbine with a High Output Power Ratio  Xincan Le, Dong Lv Dalian University of Technology  Break 16:20-17:00  A.M. Oct 17th Session5-3 Engines-0, Room: Meeting Room B 会议室 B Chair: Shuiting Ding, Civil Aviation University of China  Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University  Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine		13.30 10.03		710112
Auguary Francisco   Turbine with a High Output Power Ratio   Xincan Le, Dong Lv   Dalian University of Technology   Break 16:20-17:00				
Auguar				
Aincan Le, Dong LV     Dalian University of Technology     Break 16:20-17:00     Poster Time     A.M. Oct 17th     Session5-3 Engines-0, Room: Meeting Room B 会议室 B     Chair: Shuiting Ding, Civil Aviation University of China     Intelligent Maintenance for Aero-Engines: Embracing Interpretable     Artificial Intelligence     Ruqiang Yan     Xi'an Jiaotong University     Research on the Interaction between the Detonation Chamber and Axial     Turbine in a Pulse Detonation Turbine Engine	4	16:05-16:20		A0563
Break 16:20-17:00  Poster Time  A.M. Oct 17th  Session5-3 Engines-0, Room: Meeting Room B 会议室 B  Chair: Shuiting Ding, Civil Aviation University of China  Intelligent Maintenance for Aero-Engines: Embracing Interpretable  Artificial Intelligence  Ruqiang Yan  Xi'an Jiaotong University  Research on the Interaction between the Detonation Chamber and Axial  Turbine in a Pulse Detonation Turbine Engine	'	10.05 10.20		110505
A.M. Oct 17th  Session5-3 Engines-0, Room: Meeting Room B 会议室 B  Chair: Shuiting Ding, Civil Aviation University of China  Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University  Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine				
A.M. Oct 17th  Session5-3 Engines-0, Room: Meeting Room B 会议室 B  Chair: Shuiting Ding, Civil Aviation University of China  Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University  Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine			Break 16:20-17:00	
A.M. Oct 17th  Session5-3 Engines-0, Room: Meeting Room B 会议室 B  Chair: Shuiting Ding, Civil Aviation University of China  Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University  Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine				
A.M. Oct 17th  Session5-3 Engines-0, Room: Meeting Room B 会议室 B  Chair: Shuiting Ding, Civil Aviation University of China  Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University  Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine			Poster Time	
Session5-3 Engines-0, Room: Meeting Room B 会议室 B Chair: <b>Shuiting Ding</b> , Civil Aviation University of China  Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine			Toser Time	
Session5-3 Engines-0, Room: Meeting Room B 会议室 B Chair: <b>Shuiting Ding</b> , Civil Aviation University of China  Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine				
Chair: Shuiting Ding, Civil Aviation University of China  Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University  Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine				
Intelligent Maintenance for Aero-Engines: Embracing Interpretable Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine				
Artificial Intelligence Ruqiang Yan Xi'an Jiaotong University Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine				1
Ruqiang Yan Xi'an Jiaotong University  Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine				
Xi'an Jiaotong University  Research on the Interaction between the Detonation Chamber and Axial Turbine in a Pulse Detonation Turbine Engine	1	8:30-8:45		4
Research on the Interaction between the Detonation Chamber and Axial	1	0.50 0.45	_ * *	4
Turbine in a Pulse Detonation Turbine Engine				
Turbine in a Pulse Detonation Turbine Engine				
/   X:/I3_U:III	2	8:45-9:00	Turbine in a Pulse Detonation Turbine Engine	_
Zhiwu Wang		0. 10 7.00		4
Northwestern Polytechnical University			Northwestern Polytechnical University	

		Empiremental Challenge Calf Delayden Classic Constitution Classic Consti	
	9:00-9:15	Experimental Study on Self-Pulsation Characteristics of Swirl Coaxial	
3		Injectors with Different Internal Geometries	A0437
		Hadong Jung	
		Chungbuk National University  Collaborative design of future cross-space and cross-speed domain aviation	
		gas turbine engine	
4	9:15-9:30	Tian Qiu	
		Beihang University	
		Break 9:30-9:45	
		Session5-4 Engines-0, Room: Meeting Room B 会议室 B	
		Chair: <b>Haiwang Li</b> , Beihang University	
		Dynamic characteristics analysis and fault diagnosis of complex systems	
		based on nonlinear mode synthesis	
1	9:45-10:00	Xingrong Huang	
		Beihang University	-
		Turbofan Engine Fault Detection and Diagnosis Algorithm Based on	
		Experimental Data	
2	10:00-10:15	Chae Yeon Kim	A0687
		Inha University	
		The design of the welded rotor in the future heavy duty gas turbine based	
_	10 15 10 20	on multiple physical field coupling method	
3	10:15-10:30	Во Ни	
		Tsinghua University	
		Development of a Micro-Mix H2-O2-H2O Combustion System for Gas	
4	10 20 10 45	Turbine Applications	
4	10:30-10:45	Bowen Sa	
		Tsinghua University	
		Break 10:45-11:00	
		Session5-5 Engines-5, Room: Meeting Room B 会议室 B	
		Chair: Hideaki Ogawa, Kyushu University	
		Analysis of the Impact of Ion-Wall Recombination on Hall Thruster	
1	11:00-11:15	Performance	A0640
1	11.00-11.13	Seongil Seo, Bok Jik Lee, Kybeom Kwon, Seoghyeon Jeong	710040
		Seoul National University	
		Addressing Class-Imbalanced Learning in Real-Time Aero-Engine Gas-	
		Path Fault Diagnosis via Feature Filtering and Mapping	
2	11:15-11:30	Zengbu Liao, Jia Geng, Yuntao Deng, Xuefeng Chen, Zhiping Song, Hang	A0665
		Zhao	
		Xi'an Jiaotong University	
		Analysis of fault mode of variable geometry component on variable cycle	
3	11:30-11:45	engine	A0411
		Jiyuan Zhang, Yunfan Lin, Hailong Tang, Min Chen	-
		Beihang University	
		An improved engine model adaption method based on search interval	
4	11:45-12:00	optimization	A0319
		Shaochen Li, Hailong Tang, Min Chen, Huayu Fu, Jiyuan Zhang	
		Beihang University	
		A Comprehensive Study of Tip Clearance Control Based On a	
5	12:00-12:15	Multidimensional Transient Clearance Prediction Approach	A0452
		Jie Wei, Yu Fu, Kai Zhou, Heli Yang, Xinqian Zheng	
		Tsinghua University, AECCSichuan GasTurbine Establishment  P.M. Oct 17th	
		P.M. Oct 17th Session5-6 Engines-6(organized), Room: Meeting Room B 会议室 B	
		Session5-6 Engines-6(organized), Room: Meeting Room B 会议全 B  Chair: Changho Nam, Korea Aerospace Research Institute	
		Study on Versatile Modular Engine Performance Simulation Platform	1
1	14:00-14:15	Li Deng, Min Chen, Hailong Tang, Jiyuan Zhang, Yudong Liu, Yi Xiao	A0320
	I	Li Dong, win Chen, Hanong Tang, Hyuan Zhang, Tudong Liu, 11 Alao	1

		Beihang University		
		Steady-State Performance Model Identification Method of Low Bypass		
		Ratio Turbofan Engine Based on Evolutionary Algorithm		
2	14:15-14:30	Yue Wu, Ji-Yuan Zhang	A0385	
		Beihang University	1	
		Performance Analysis and Optimization of Three Spool Aero Derivative		
1_		Gas Turbine Fueled with Liquid Hydrogen		
3	14:30-14:45	Shaohua Song, Ke Zhang	A0215	
		AECC Shenyang engine research institute		
		Research on the Quantitative Method for Performance Dispersion of		
١.	44 45 45 00	Turbofan Engines	10110	
4	14:45-15:00	Xingbang Jia, Jiyuan Zhang, Hailong Tang, Jingmei Cong, Min Chen	A0418	
		Beihang University		
		Break 15:00-15:20		
		Session5-7 Engines-7, Room: Meeting Room B 会议室 B		
		Chair: Nicholas Bardell, RMIT University		
		Numerical simulation analysis and efficiency evaluation for skin friction		
1	15:20-15:35	15.20 15.25	reduction by boundary layer injection	4.0240
1		Zhenming Qu, Feiteng Luo, Yaosong Long, Wenjuan Chen	A0249	
		Huazhong university of science and tecnology		
		A three-dimensional compressible mixing layer model under skewed		
2	15:35-15:50	pressure-gradient and its linear instability	A0509	
	13.33-13.30	Zhiyong Liu	A0309	
		China Academy of Aerospace Aerodynamics		
		Design and development of ground test benches for aircraft electric		
		propulsion systems		
3	15:50-16:05	Shuhao Deng, Tao Lei, Xingyu Zhang, Xiaobin Zhang	A0412	
		Electrical engineering Department of the Automation School Northwestern		
		Polytechnical University		
		Investigation of Influence of Reverse Vortex Flow on Thermal		
		Characteristics of Microwave Electrothermal Thruster via Multi-Objective		
4	16:05-16:20	Design Optimization	A0455	
		Tsubasa Ozawa		
		Kyushu University		
		A conceptual sizing method and energy management strategy for hybrid-		
5	16:20-16:35 electric aircraft		A0102	
	2.22 20.00	Li Li, Lei Qiao, Jiakuan Xu, Min Chang, Junqiang Bai	<b>-</b>	
		School of Aeronautics, Northwestern Polytechnical University		

Track 6 (Meeting Room 1 会议室 1)

		Track 6 (Meeting Room 1 会议至 1)	
		P.M. Oct 16th	
	C1	Session6-1 CFD-8, Room: Meeting Room 1 会议室 1	
	Ch	air: <b>Tianhang Xiao</b> , Nanjing University of Aeronautics & Astronautics	
		Study on the Drag of Aircraft Auxiliary System according to the	
1	14:00-14:15	Arrangement of Ram Air Turbine	A0710
		Byoungsoo Kim, Hojun Jang, Hoonjae Kim	
		Chungnam National University	
		Enhanced Least Squares Method for Curved Multi-Cloud Point Systems	
2	14:15-14:30	with Geometric Weight Function Control	A0642
		Sangwoo Lee, KyuHong Kim	
		Seoul National University	
		Numerical Investigation of Pitch Characteristics Based on Circulation	
3	14:30-14:45	Control Technology	A0684
		Wang Ruiwen, Huang Xudong	
		Tsinghua University	
		A Numerical Explorations of Passive Control of Transonic Flow over a	
4	14:45-15:00	Backward-Facing Step	A0657
		Kai Zeng, Xiang Shen, Liming Yang	
		AVIC Aerodynamics Research Institute, Northumbria University	
		Break 15:00-15:20	
		Session6-2 Acoustics, Room: Meeting Room 1 会议室 1	
-	Т	Chair: Xiaowei Gao, Dalian University of Technology	
		Aero-acoustical optimization of a high-lift device based on hybrid RANS-	
1	15:20-15:35	LES method	A0145
-		Zhen Wang, Lu Xie, Yiju Deng	
		AVIC Xian Aircraft Design Institute	
		Optimization of the air-supply location for both reduction of the noise	
_		from environmental control systems and improvement of the air	
2	15:35-15:50	distribution in aircraft cabins	A0158
		Yun Wei, Yinshi Zhou	
		Civil Aviation University of China	
		Aerodynamics and Aeroacoustics Optimization of Rotor Blade Tip in	
3	15:50-16:05	Hover	A0398
		Yufan Bi, Xu Zhao	
		Northwestern Polytechnical University	
		Effect of UAV Configuration on Noise: Experimental Investigation and	
4	16:05-16:20	analysis	A0477
		Longzhi Zhao	
		Meituan	
_		Numerical study on noise reduction of four-engine propeller phase control	
5	16:20-16:35	Huixian He, Yue Wang	A0690
		Northwestern Polytechnical University	
		Break 16:35-17:00	
		Poster Time	
		125 0 (45)	
		A.M. Oct 17th	
<u> </u>		Session6-3 CFD-9 Room: Meeting Room 1 会议室 1	
	T	Chair: Zhenghong Gao, Northwestern Polytechnical University	I
		Numerical Investigation of Riblets Drag Reduction using Large Eddy	
1	8:30-8:45	Simulation	A0666
		Dichen Li, Chuang Wei	
		AVIC ARI	
_	0.47.0.00	RANS-based Data Generation for Machine Learning to Develop Wall	40.00
2	8:45-9:00	Interference Correction Method of Subsonic Wind Tunnel	A0683
		Hyeonwoo Hwang, DongHun Park, Myungsik Tai	

Pusan National Univers	itv	
	imation of Low-aspect-ratio Flying-wing Aircraft	
on Large Attack Angle	mation of how aspect factor fring wing the fact	
	i, Hongyin Jia, Xiaojun Wu, Jiangtao Chen, Jing	A0415
	igsheng Ma, Jun Gao, Wentong Cui	110113
	esearch and Development Center	
	of Pressure Distribution Using Variational	
Autoencoder	of Freshall Distribution Ching Variational	
1 4 1 0:15 0:30	Hongyang Liu, Yonggang Yu, Weibin Li	A0678
	esearch and Development Center	
emma i forodynamics re	Break 9:30-9:45	<u> </u>
Session6-4 CFD-1	0, Room: Meeting Room 1 会议室 1	
	onautics Computing Technique Research Institute	
	ation on the aerodynamic characteristics of a long-	
endurance UAV with lo	ow aspect-ratio	1000
1 9:45-10:00 Cheng Chen, Jiangtao H	Huang, Chengjun He, Xian Chen	A0686
China Aerodynamics R	esearch and Development Center	
Unsteady Wake Flow S	imulation of Multi-wings in a Schooling Using	
2 10:00-10:15 Viscous Vortex Particle		A0695
Xiaoxuan Meng, Ziyi X	Lu, Zhongyuan Zheng, Min Chang, Junqiang Bai	A0093
Northwestern Polytechi		
	ogy to Study the Influence of Variational Testing	
	Field Testing Results in a High-Pressure	
	sure Intake Distortion Test	A0692
	Bin Han, Mingming Huang, Di Xie	
AECC Shenyang Engin		
	he effect of T-shaped circumferential groove	
	asonic axial compressor stability	A0403
Qinghan Li, Wuli Chu,	Wenhao Liu, Jiezhong Dong	4
Northwestern Polytechi	•	
	Break 10:45-11:00 sign-8, Room: Meeting Room 1 会议室 1	
	ei Yang, Xi'an Jiaotong University	
	gn Method for Load, Stiffness, and Strength of	
High Altitude Long end		
1 11:00-11:15 Yingyu Hou	urance UAV	A0312
China Academy of Aero	osnace Aerodynamics	
	nage characteristics of composite propeller under	
bloot impact load	mage characteristics of composite properter under	
2 11:15-11:30 Viast impact load Xin Yao, Yang pei, Yu:	xeu Ge. Kefan Liu	A0327
Northwestern Polytechi		
	d on three-dimensional dynamic meshes with	
local grid topology mod		
3 11:30-11:45 Yisheng Gao, Fei Qin,		A0599
	Aeronautics and Astronautics	
	A Composite Fiber Reinforced Compressor	
Rling	r	4.01.40
/	Liu, Jia Li, Jie Guo, Qing Du	A0148
AECC Shenyang Engin		1
	e Design and Optimization Based on Simulation	
5   12:00-12:15   Liang Hu, Lanxin Liang	<u> </u>	A0675
	stitute of Aircraft Systems	1
	P.M. Oct 17th	
	sign-9, Room: Meeting Room 1 会议室 1 <b>Ahn</b> , Changwon Moonsung University	

	ī		
		Identification of Key Factors Affecting the Safety Design of Aviation	
1	14:00-14:15	Piston Engine Based on Kriging-Sobol	A0304
		Guo Li, Yida Teng, Tongge Xu, Zilu Wang, Shuiting Ding	
		Beihang University	
		Attitude Control of Lift-and-Cruise-Type eVTOL Using Observer-Based	
2	14.15 14.20	Sliding Mode Control Yunseob Kim, Jiwoo Choi, Hoijo Jeong, Dongsu Seon, Shinkyu Jeong,	10526
2	14:15-14:30		A0526
		Jinyoung Suk, Seungkeun Kim Chungnam National University	
		Effect of Internal Flow on Generated Planform-Customized Waverider	
3	14:30-14:45	Chuanzhen Liu, Xufei Meng, Peng Bai	A0059
)	14.30-14.43	China Academy of Aerospace Aerodynamics	A0037
		Research on the method of constructing a meta-model for the civil aircraft	
		design process	
4	14:45-15:00	Qiucen Fan, Wenhao Bi, Yunong Wang, Minghao Li, An Zhang	A0137
		Northwestern Polytechnical University	
		Break 15:00-15:20	
		Session6-7 Aircraft Design-10, Room: Meeting Room 1 会议室 1	
		Chair: Yue Wang, Northwestern Polytechnical University	
		Trajectory Optimization and Guidance for Dynamic Soaring of	
		Articulated Ornithopter	
1	15:20-15:35	Jungwook Hwang, Woongtaek Oh, Inrae Kim, Seungkeun Kim, Jinyoung	A0571
		Suk	
		Chungnam National University	
		Smart Design and Optimization of a Universial and Low-cost Double-	
	15 25 15 50	tailed UAV	A0096
2	15:35-15:50	Lilong Luo, Liang Chang, Xiaohua Nie, Likai Wang, Wenjie Guo	
		Aircraft Strength Research Institute	
		International Joint Development Methodology and Market Share of	
3	15.50 16.05	Single -aisle Aircraft in Asia-Pacific Countries	A O1O1
3	15:50-16:05	Myung-kwan Ahn	A0101
		Changwon Moonsung University	
		An Efficient Distributed Propeller Configuration Calculation Method	
4	16:05-16:20	Chen Xue, Luo Wang, Kaiyang Zhang	A0111
		AVIC The First Aircraft Institute	
		Aerodynamic and Aero-acoustic Optimization for propeller by a Multi-	
5	16:20-16:35	Fidelity Approach	A0353
	10.20-10.33	Yingzhe Ye, Yu Liang	A0333
		Southern University of Science and Technology, Beihang University	
		Session6-8 CFD-11, Room: Meeting Room 1 会议室 1	
	ı	Chair: <b>Byoungsoo Kim</b> , Chungnam National University	
		Three-dimensional Finite Volume Method with Walsh Basis Function	
1	16:35-16:50	using efficient adaptive algorithm	A0722
		Yuan Gan, Gang Wang, Jiong Ren, Xin Chen	
		Northwestern Polytechnical University School of Aeronautics	
		Design and Calculation of Ventilation System for Civil Aircraft Landing	
2	16:50-17:05	Gear Compartment	A0743
		Chuang Li	1
		shanghai aircraft design and research institute	-
		Optimization of aerodynamic performance of multistage axial flow	
3	17:05-17:20	compressor based on S2 analysis code	A0741
		bin li, hang xiang	-
		School of Energy and Power Engineering, Beihang University	-
1	17.20 17.25	A Numerical Investigation of Geometric Parameters of Ramp-Type	A 0725
4	17:20-17:35	Sunah Kang Sung He Kwan Danghun Park	A0735
<u> </u>	<u> </u>	Sunoh Kang, Sung Ha Kwon, Donghun Park	

		Pusan National University	
		Research on the Layout Planning Model of eVTOL Vertiport	
5	17:35-17:50	Yanhui Duan, Ning Sun	A0491
		School of Systems Science and Engineering, Sun Yat-Sen University	

Track 7 (Meeting Room 2 会议室 2)

		Track 7 (Meeting Room 2 会议至 2)			
		P.M. Oct 16th			
	Se	ssion7-1 Structures and Materials-1, Room: Meeting Room 2 会议室 2			
		Chair: <b>Xiangfan Nie</b> , Air Force Engineering University			
		Thermal-Structural Analysis of Ablative TPS by Applying			
1	14:00-14:15	Domain/Boundary Decomposition Method	A0681		
		Nara Han, Yerin Park, Boyoung Won, Eui Sup Shin			
		Jeonbuk National University			
		Performance reliability and sensitivity analysis of an airplane cabin door			
2	14:15-14:30	retraction mechanism based on Sobol index	A0213		
-	11.15 11.50	Jingyi Liu, Shilong Xue, Xinchen Zhuang, Huan Pang	110213		
		Chang'an University			
		Analysis of structural characteristics of a tandem-wing layout vertical			
3	14:30-14:45	takeoff and landing UAV	A0328		
	14.30-14.43	Junlei Sun, Chuenqi Li	A0320		
		Northwestern Polytechnical University			
		Design and Analysis of Transmission Mechanism of Flapping-wing Micro			
1	14:45-15:00	Air Vehicles	A 0.421		
4	14:43-13:00	Cheng Cheng, Chongren Sun, chao zhou, Yanlai Zhang, Jianghao Wu	A0431		
		Beihang University			
		Break 15:00-15:20	I.		
	Se	ssion7-2 Structures and Materials-2, Room: Meeting Room 2 会议室 2			
		Chair: <b>Junlei Sun</b> , Northwestern Polytechnical University			
		The Application of SHM in C919 Fatigue Testing			
1	15:20-15:35	Yu Yang, Binwen Wang, Xiaofeng Qi, Shuaishuai Lyu, Zhenhua Du	A0380		
		Aircraft Strength Research Institute			
		The Prediction of Buckling Load of Liquid Filled Cylindrical Shell Using			
		VCT			
2	15:35-15:50	Seung-Ah Oh, Mi-Yeon Lee, Hyun-Jun Cho, Yeon-Ju Kim, In-Gul Kim	A0500		
		Chungnam National University	1		
		The Effect of Geometric Imperfection of a Pressurized Cylindrical Shell on			
		Hybrid Vibration Correlation Technique			
3	15:50-16:05	Mi yeon Lee, Hyun-Jun Cho, Yeon-Ju Kim, Seung-Ah Oh, In-Gul Kim	A0519		
		Chungnam National University			
		Compound repairing method of laser cladding and laser shock processing			
		in thin TC4-DT titanium alloy component			
4	16:05-16:20	Xiangfan Nie, Yazhou Wang, Yang Li, Hongbing Li, Shiqian Li	A0656		
		Air Force Engineering University			
		Band gap shift of solid-liquid phase change metamaterial considering			
		liquid phase viscosity in scatterer			
5	16:20-16:35	Wenhan Yuan, Yijun Chai, Xiongwei Yang, Yueming Li	A0156		
		Xi'an Jiaotong University	_		
		Break 16:35-17:00			
		Diedk 10.33-17.00			
		Poster Time			
		I OSICI TIHIC			
		A.M. Oct 17th			
	<b>S</b> A	ssion7-3 Structures and Materials-3, Room: Meeting Room 2 会议室 2			
	Chair: <b>Vincent Ji</b> , Universite Paris-Saclay				
<u> </u>		A Micromechanical Model for Fiber Bridging in Multidirectional			
		Composite Laminates			
1	8:30-8:45	Hyun-Jun Cho, Yeon-Ju Kim, Mi-Yeon Lee, Seung-Ah Oh, In-Gul Kim	A0502		
			-		
		Chungnam National University  Reconstruction of random PVEs of the unidirectional compositor, with			
2	0.45 0.00	Reconstruction of random RVEs of the unidirectional composites with	10595		
2	8:45-9:00	non-circular fibers using a conditional denoising diffusion model	A0585		
		Seong-Won Jin, Myeong-Seok Go, Jae Hyuk Lim			

		Jeonbuk National University	
		Residual strength evaluation of multi-site damage structures with	
		irregular cracks	
3	9:00-9:15	Shaopu Su	A0086
		Aircraft Strength Research Institute	
		Establishment method for hard-α defect distribution curve of titanium alloy	
	0.4.7.0.00	of aero-engine life-limited parts considering the effect of hot processing	
4	9:15-9:30	Guo Li, Junbo Liu, Huimin Zhou, Shuiting Ding, Haibin Ji, Yusheng Cai	A0472
		Beihang University	
		Break 9:30-9:45	
	Se	ssion7-4 Structures and Materials-4, Room: Meeting Room 2 会议室 2	
	T	Chair: Xitao Zheng, Northwestern Polytechnical University	•
		Zonal Finite Line Method in Structural Strength Analysis of Aerocrafts	
1	9:45-10:00	Xiao-Wei Gao	A0052
		Dalian University of Technology	
		Development of Type V Small Composite Propellant Tank	
2	10:00-10:15	Y.H. Yoon, S.Y. Rhee, M.K. Yi, K.S. Kim	A0468
		Korea Aerospace Research Institute	
		A Substructure-based Method to Evaluate the Structural Deformation	
3	10:15-10:30	Kunhui Huang, Changchuan Xie	A0623
		Beihang University	
		Experimental study of jet length effect on low frequency pressure	
4	10:30-10:45	fluctuation in an anechoic open-jet pilot wind tunnel	A0661
7	10.30-10.43	Xiaoli Qu	710001
		China Aerodynamics Research and Development Center	
		Break 10:45-11:00	
	Se	ssion7-5 Structures and Materials-5, Room: Meeting Room 2 会议室 2	
	T	Chair: Jae Hyuk Lim, Jeonbuk national university	1
		Numerical Simulation and Experimental Verification on the effects of	
	44.00.44.4	Vibration Suppression of HPT Blades using Prism-type Under-Platform	A0077
1	11:00-11:15	Dampers V. V. V. V. V. V. V. V. D. D.	
		Yunwu Wu, Yixiong Liu, Xiangping Wang, Jia Li, Chuanyu Du AECC Shenyang Engine Research Institute	
		LAEUU Shenyano Enoine Research institute	
	l ————		
		Analysis of propulsion/structural coupling characteristics of distributed	
2	11:15-11:30	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing	A0413
2	11:15-11:30	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou	A0413
2	11:15-11:30	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University	A0413
2	11:15-11:30	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of	A0413
3	11:15-11:30 11:30-11:45	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs	A0413
		Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim	
		Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University	
		Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive	
	11:30-11:45	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive failure considering delamination and lamina fracture in composite dovetail	A0596
		Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive failure considering delamination and lamina fracture in composite dovetail specimens under tensile loading	
3	11:30-11:45	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive failure considering delamination and lamina fracture in composite dovetail specimens under tensile loading Hong-Kyun Noh, Myeong-Seok Go, Jae Hyuk Lim, Yun-Hyuk Choi, Jong-	A0596
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3	11:30-11:45 11:45-12:00	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive failure considering delamination and lamina fracture in composite dovetail specimens under tensile loading Hong-Kyun Noh, Myeong-Seok Go, Jae Hyuk Lim, Yun-Hyuk Choi, Jong-Gu Kim Jeonbuk National University  P.M. Oct 17th	A0596
3	11:30-11:45 11:45-12:00	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive failure considering delamination and lamina fracture in composite dovetail specimens under tensile loading Hong-Kyun Noh, Myeong-Seok Go, Jae Hyuk Lim, Yun-Hyuk Choi, Jong-Gu Kim Jeonbuk National University  P.M. Oct 17th  7-6 Structures and Materials-6(organized), Room: Meeting Room 2 会议室 2	A0596
3	11:30-11:45 11:45-12:00	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive failure considering delamination and lamina fracture in composite dovetail specimens under tensile loading Hong-Kyun Noh, Myeong-Seok Go, Jae Hyuk Lim, Yun-Hyuk Choi, Jong-Gu Kim Jeonbuk National University  P.M. Oct 17th 7-6 Structures and Materials-6(organized), Room: Meeting Room 2 会议室 2 Chair: Yueming Li, Xi'an Jiaotong University	A0596
3	11:30-11:45 11:45-12:00 Session	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive failure considering delamination and lamina fracture in composite dovetail specimens under tensile loading Hong-Kyun Noh, Myeong-Seok Go, Jae Hyuk Lim, Yun-Hyuk Choi, Jong-Gu Kim Jeonbuk National University  P.M. Oct 17th  7-6 Structures and Materials-6(organized), Room: Meeting Room 2 会议室 2 Chair: Yueming Li, Xi'an Jiaotong University High-temperature DIC measurement of structural deformation under high-	A0596
3	11:30-11:45 11:45-12:00	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive failure considering delamination and lamina fracture in composite dovetail specimens under tensile loading Hong-Kyun Noh, Myeong-Seok Go, Jae Hyuk Lim, Yun-Hyuk Choi, Jong-Gu Kim Jeonbuk National University  P.M. Oct 17th 7-6 Structures and Materials-6(organized), Room: Meeting Room 2 会议室 2 Chair: Yueming Li, Xi'an Jiaotong University High-temperature DIC measurement of structural deformation under high-intensity blackbody radiation	A0596
3	11:30-11:45 11:45-12:00 Session	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive failure considering delamination and lamina fracture in composite dovetail specimens under tensile loading Hong-Kyun Noh, Myeong-Seok Go, Jae Hyuk Lim, Yun-Hyuk Choi, Jong-Gu Kim Jeonbuk National University  P.M. Oct 17th  7-6 Structures and Materials-6(organized), Room: Meeting Room 2 会议室 2 Chair: Yueming Li, Xi'an Jiaotong University High-temperature DIC measurement of structural deformation under high-intensity blackbody radiation Xiongjie Che, Namseo Goo	A0596
3	11:30-11:45 11:45-12:00 Session	Analysis of propulsion/structural coupling characteristics of distributed propulsion wing Huailiang Fang, Zhou Zhou Northwestern Polytechnical University Numerical and experimental investigation of the deployment stability of bistable composite tape springs Yeong-Bae Kim, Geun Sung Jung, Jae Hyuk Lim Jeonbuk National University Title Numerical modeling and experimental validation of progressive failure considering delamination and lamina fracture in composite dovetail specimens under tensile loading Hong-Kyun Noh, Myeong-Seok Go, Jae Hyuk Lim, Yun-Hyuk Choi, Jong-Gu Kim Jeonbuk National University  P.M. Oct 17th 7-6 Structures and Materials-6(organized), Room: Meeting Room 2 会议室 2 Chair: Yueming Li, Xi'an Jiaotong University High-temperature DIC measurement of structural deformation under high-intensity blackbody radiation	A0596

		Yanyan Sun, Yi-jun Chai, Xiong-wei yang, Yue-ming Li	
		Xi'an Jiaotong University	
		MORPHING SKINS BASED ON MIURA-ORIGAMI WITH VARIABLE STIFFNESS	
3	14:30-14:45	Jian Sun, Bin Li, Yanju Liu, Jinsong Leng	A0744
		Harbin Institute of Technology	
		A novel composite morphing skin based on elastic skeleton: conceptual	
		design and parametric analysis	
4	14:45-15:00	Xintong Shi, Yu Yang, Yangchen Deng, Panpan Bao, Zhigang Wang	A0464
		Aircraft Strength Research Institute of China	
	L	Break 15:00-15:20	l
	Se	ssion7-7 Structures and Materials-7, Room: Meeting Room 2 会议室 2	
	~ ~ ~	Chair: <b>Jian Sun</b> , Harbin Institute of technology	
		Steady-state stress prediction of engine components using the state	
	15:20-15:35	function method	A0109
1		Wei Wang, Zhufeng Yue, Junfeng Zhang, Yixiong Liu, Yunwu Wu	
		AECC Shenyang Engine Research Institute	
	15:35-15:50	Effect of machining parameters on the residual stress distribution and	
2		surface roughness in Ti-6-Al-4V alloy	A0433
2	15:55-15:50	Guo Li, Huimin Zhou, Junbo Liu, Shuiting Ding, Yang Liu, Zonghui Liu	A0433
		Beihang University	
		Experimental and Numerical Modal Analysis of Aluminum Skin Stringer	
3	15:50-16:05	Panels at Increased Rivet Spacing	A0462
3	13.30-10.03	Hae-Won Jang, Sang-Hyeon Seo	A0402
		Korea Aerospace Research Institute	
		Impact Analysis of Roll Maneuver Load about Civil Aircraft after	
4	16:05-16:20	Considering Control Law	A0469
+	10.03-10.20	Wenbin Ruan, Zhongwu Yan, Xin Song	A0409
		Shanghai Aircraft Design and Research Institute, Shanghai 201210, China	
		Energy absorption analysis and testing of 3D braided composite tubes in	
5	16:20-16:35	aircraft crashworthiness	A0474
	16:20-16:33	Chunting Yu, Xitao Zheng, Leilei Yan, Chun Zhang	1104/4
		Northwestern Polytechnical University	

Track 8 (Meeting Room 3 会议室 3)

		Track 8 (Meeting Room 3 会议至 3)	
		P.M. Oct 16th	
	Se	ssion8-1 Air Mobility-1(organized), Room: Meeting Room 3 会议室 3	
	Т	Chair: Zhong Lei, Suwa University of Science	1
		Development and Application of a Calculation Program for the Landing Distance of Civil Aircraft	
1	14:00-14:15	Xiangyang Xu, Liangxing Li, Yue Teng, Zutao Xiang, Huagang Shi,	A0330
1	14.00-14.13	Weicheng Qu, Guannan Chen, Fujuan Li	A0330
		Xi'an Jiaotong University, China Eastern Airlines	
		Development of 3-Dimensional Vn Diagram and Load Analysis	
		Methodology for UAM Aircraft Considering Aircraft Certification	
2	14:15-14:30	WoonJae Won, KiJun Byeon, YunJae Noh, MinJi Kim, KwangWoong	A0453
_	11.15 11.50	Choi, Jae-Woo Lee	110133
		Konkuk University	
		4D Trajectory Prediction Method for UAM Aircraft Based on Flight Plan	
		Chan Gwak, Jae-Woo Lee, HyeonJun Lee, Jeongseok Hyun, Aye Aye	
3	14:30-14:45	Maw	A0489
		Konkuk Univ.	
		Stability and control characteristics analysis and flight quality assessment	
	14471700	of one stealth blended wing body aircraft	
4	14:45-15:00	Qing Li, YanLing Wang	A0185
		Chinese Aeronautical Establishment	
		Break 15:00-15:20	
	Se	ssion8-2 Air Mobility-2(organized), Room: Meeting Room 3 会议室 3	
		Chair: <b>Deog-Kwan Kim</b> , Korea Aerospace Research Institute	
		Numerical Investigation of Flow and Flight Performance of Lift & Cruise	
1	15:20-15:35	type eVTOL Aircraft by a Panel Method	A 0201
1	15:20-15:55	Shin Hyodo, Zhong Lei	A0281
		Suwa University of Science	
		Fluid Simulation of Aerodynamic Interference of a Multicopter Type	
2	15:35-15:50	eVTOL Aircraft	A0280
	13.33-13.30	Karin Okawa, Zhong Lei	110200
		Suwa University of Science	
		The Overview of Multi-Purpose Unmanned Helicopter(MPUH)	
3	15:50-16:05	Development with MTOW 200kg	A0461
	10.00 10.00	Deog-Kwan Kim, Deog-Kwan Kim	110.01
		Korea Aerospace Research Institute	
	4.507.45.20	Optimized power system layout focusing on UERF on eVTOL aircraft	
4	16:05-16:20	Haoran Zheng, Shuguang ZHANG, Ruichen HE, Florian Holzapfel	A0170
		Beihang University	
_	16 20 16 25	Multiphysics Study of Swashplateless Propellers	4.0470
5	16:20-16:35	Yifei Zhang, Lu Liu, Longzhi Zhao, Tianming Zhao, Lijun Xu	A0470
		Senior Aero Enginner	
		Break 16:35-17:00 Poster Time	
		A.M. Oct 17th	
	S.	ession8-3 Sensors and Actuators-1, Room: Meeting Room 3 会议室 3	
		Chair: <b>Shaoming He</b> , Beijing Institute of Technology	
		Research On State Detection Method Of Complex System Based On	
		Unknown Input	
1	8:30-8:45	Wei Niu	A0578
		Xi'an Aeronautics Computing Technique Research Institute, AVIC	-
		Combined Filtering Algorithm for Electrical Performance Test Data	
2	8:45-9:00	based on Radome	A0120
		Dongwei Mao	1
	1		i

		AVIC Research Institute for Special Structures of Aeronautical	<u> </u>
		Composite	
		"Algorithm Research on Layout of Flow Field Measurement Points for	
3	9:00-9:15	Key Cross Sections in Aircraft Engines."	A 0.402
3	9:00-9:15	Hao Yang, ChangZheng Li, MingYang Deng	A0402
		Northwestern Polytechnical University	
		In-flight Airflow Measurements for a High Maneuverability Ornithopter	
4	9:15-9:30	Zhihe Wang, Bifeng Song, Ang Chen, Kang Liu	A0738
		Northwestern Polytechnical University	
		Break 9:30-9:45	
		ession8-4 Sensors and Actuators-2, Room: Meeting Room 3 会议室 3	
	Cha	air: Baichun Gong, Nanjing University of Aeronautics and Astronautics	
		Urban information aided target tracking with a small-scale UAV	1
1	9:45-10:00	Jianduo Chai, Yue Hou, Shaoming He, Hyo-Sang Shin, Antonios	A0358
		Tsourdos	4
		Beijing institute of technology	
		Pose Tracking of a non-cooperative spacecraft using Template Matching	
2	10:00-10:15	with a Particle Filter	A0518
		Sangdo Park, Dongwon Jung	
		Korea Aerospace University	
		Research on data reconstruction methods based on multiple models of	
3	10:15-10:30	aero-engine sensor  Mingyana Dana Changahana Li, Han Yang Yiang Chan	A0375
		Mingyang Deng, Changzheng Li, Hao Yang, Xiang Chen Northwestern Polytechnical University	_
		Hardware-In-the-Loop Simulation Environment with a Robotic Arm for	
		Multicopter Performance Evaluation	
4	10:30-10:45	Yuya Kawasaki, Takeshi Tsuchiya	A0287
		The University of Tokyo	
		Break 10:45-11:00	
		Session8-5 Navigation, Room: Meeting Room 3 会议室 3	
		Chair: <b>Gaowei Jia</b> , National University of Defense Technology	
		A UAV Visual SLAM System for Post-disaster Emergency Mapping	
1	11:00-11:15	Zhaoxi Wong, Mengqi Zhang, Wenhao Bi	A0154
•	11.00 11.10	Northwestern Polytechnical University	11015
		Learning-based Relative Navigation Simulation in Cooperative using	
_		ROS and Gazebo	
2	11:15-11:30	Woo Seok Song, Dae Woo Lee	A0716
		Pusan National University	1
		A novel orbit maneuver detection method for space non-cooperative	
2	11 20 11 45	target using angles-only measurement	4.010.4
3	11:30-11:45	Shihang Yang, Baichun Gong, Xing Ning, Yipeng Liu, Ziwen Wang	A0184
		Nanjing University of Aeronautics and Astronautics	
		A Strategy for Initial Orbit Determination of Lunar Navigation Satellite	
		Based on Range and Doppler Measurements from a Lunar Ground	
4	11:45-12:00	Station	A0758
		Sungik Kim, Byungwoon Park	
		Sejong University, South Korea	
		Swarm Flight of UAVs using Fast MCD algorithm	
5	12:00-12:15	Gunhyuk Lee, Hoijo Jeong, Seungkeun Kim, Jinyoung Suk	A0719
		Chungnam National University	
		P.M. Oct 17th	
	Session8	8-6 Air Traffic Management-1(organized), Room: Meeting Room 3 会议室	3
		Chair: Mark Brown, Electronic Navigation Research Institute	
		Study on the Cause of Air Traffic Delay in Fukuoka Approach Control	
1	14:00-14:15	Area Using CARATS Open Data	A0180
		Yasutaka Kawamoto, Shin-Ichiro Higashino, Yota Iwatsuki	

		Kyushu University	
		Quantifying the effects of COVID-19 on US Carriers engaged in	
	14:15-14:30	International Aviation from 2020-2022	A0246
2		Nick Bardell	
		RMIT University	
		Air Traffic Management for Arriving Aircraft using Propagating Waves	
3	14:30-14:45	Seiya Ueno, Yuki Ogawa, Takehiro Higuchi	A0271
5	14.30-14.43	Yokohama National University	
		Optimizing Hydrogen-Powered Aircraft Fleet Operations: A Mixed	
		Integer Optimization Approach with Carbon Emission Considerations	
4	14:45-15:00	Jiaxuan Wu, Xiaoqian Sun, Yifan Xu, Sebastian Wandelt	A0089
		Beihang university  Break 15:00-15:20	
	Ses	ssion8-7 Air Traffic Management-2, Room: Meeting Room 3 会议室 3	
	50.	Chair: <b>Man Liang</b> , RMIT University	
		Generation of Optimized Trajectories for Congestion Mitigation in	
		Fukuoka Approach Control Area Using Deep Reinforcement Learning	
1	15:20-15:35	Yota Iwatsuki, Yasutaka Kawamoto, Shin-Ichiro Higashino	A0239
		Kyushu University	
		Developing of the departure queueing model for a mixed takeoff/landing	
		operational runway	
2	15:35-15:50	Daiki Iwata, Eri Itoh	A0162
		·	
		The University of Tokyo	
		Flight Time Prediction of Arrival Air Traffic Flows Following Time-	
3	15:50-16:05	based Airspace Concept Applying Machine Learning Methods	A0266
		Takuya Nishida, Eri Itoh	
		The University of Tokyo	
		Analysis of air traffic time predictability for international ATFM	
4	16:05-16:20	Mark Brown, Keumjin Lee, Daekeun Jeon, Yanjun Wang, Hiroko	A0672
		Hirabayashi, Takashi Imuta, Naomi Hani Gray, Hongah Chai	
		Electronic Navigation Reseach Institute	
_	16001607	Model Predictive Trajectory Optimization for Urban Air Mobility	
5	16:20-16:35	Nakyeong Kim, Inrae Kim, Jinyoung Suk, Seungkeun Kim	A0720
		Chungnam National University	
	Session8	-8 Air Traffic Management-3(organized), Room: Meeting Room 3 会议室	3
	Т	Chair: Weijun Pan, Civil Aviation Flight University of China	
		The Sustainable Management of International Air Mobility – Constrained	
1	16:35-16:50	by Climate Change Policies	A0750
-	10.55 10.50	Raafat Saade, Hong Guan, Hao Liu	110750
		Beijing Institute of Technology	
		En Route AMAN Design Toward Sustainable Arrival Traffic Operation	
2	16:50-17:05	Katsuhiro Sekine, Tomoaki Tatsukawa, Kozo Fujii, Eri Itoh	A0488
		Tokyo University of Science	
		An Improved Machine Learning Method to Speed Up the Trajectory	
		Prediction: Taking Melbourne Airport as a Study Case	A0698
3	17:05-17:20	Man Liang, Yuting Xi, Hongyan Zhang, Ji Ma, Daniel Delahaye,	
		Zhengyi Wang	
		RMIT University	
		Support Measures Optimization of Forest Firefighting for Special	
1	17-20 17-25	Support Measures Optimization of Forest Firefighting for Special Aircraft	Δ0644
4	17:20-17:35	Support Measures Optimization of Forest Firefighting for Special Aircraft Xiwen Zhang, Wenqing Yang	A0644
4	17:20-17:35	Support Measures Optimization of Forest Firefighting for Special Aircraft Xiwen Zhang, Wenqing Yang Northwestern Polytechnical University	A0644
4	17:20-17:35	Support Measures Optimization of Forest Firefighting for Special Aircraft Xiwen Zhang, Wenqing Yang	A0644
		Support Measures Optimization of Forest Firefighting for Special Aircraft Xiwen Zhang, Wenqing Yang Northwestern Polytechnical University	
5	17:20-17:35 17:35-17:50	Support Measures Optimization of Forest Firefighting for Special Aircraft Xiwen Zhang, Wenqing Yang Northwestern Polytechnical University Evaluating Effectiveness of Fixed-flight Path Angle Descent to Kansai	A0644 A0284

The University of Tokyo	

Track 9 (Meeting Room 5 会议室 5)

		Track 9 (Meeting Room 5 会议室 5)	
		P.M. Oct 16th	
S	ession9-1 Aero	odynamic Design and Optimization-1(organized), Room: Meeting Room 5 🕏	会议室 5
	Ch	air: Yisheng Gao, Nanjing University of Aeronautics and Astronautics	
		Study on Aerodynamic Shape Optimization of Supersonic Low-boom	
1	14:00-14:15	Aircraft Considering Dynamic Effects	A0463
1	14.00-14.13	Chuang Ma, Jiangtao Huang, Qisheng Chen, Gang Liu, Xian Chen	A0403
		China Aerodynamics Research and Development Center	
		Airfoil Optimization Of Wing-in-Ground Craft Considering Anti-	
2	14:15-14:30	waves Ability	A0528
2	14:15-14:30	Wenping Song, Yiheng Wang	A0528
		Northwestern Polytechnical University	
		Multi-Objective Optimization Method for Propeller and Motor Size	
_	14 20 14 45	Selection in Electric Propulsion Systems for Unmanned Aerial Vehicles	4.0.400
3	14:30-14:45	Tianming Zhao	A0499
		Meituan	
		Fluid-Structure Interaction Characteristic of Serpentine Nozzle	
4	14:45-15:00	Haibo zheng, Jiangtao Huang, Chengjun He, Xian Chen, Chao Gao	A0533
•	11.15 15.00	Northwestern Polytechnical University	110000
		Break 15:00-15:20	
		Session9-2 Aerodynamics-1, Room: Meeting Room 5 会议室 5	
		Chair: Qiang Liu, National University of Defense Technology	
		Magnus Moment Calculation of M910 Spinning Projectiles	
1	15:20-15:35		A0074
1	15:20-15:55	Lijun Xie, Tingting Zhang	A0074
		CH UAV Science & Technology Co., Ltd.	
		Unsteady aerodynamic prediction using limited samples based on transfer	
2	15:35-15:50	learning	A0226
		Wen Ji, Chunna Li, Xuyi Jia, Gang Wang, Chunlin Gong	
		Northwestern Polytechnical University	
		Unsteady aerodynamic loads reduced-order modelling for shock-	
		dominated flow with application on shock-induced panel flutter	
3	15:50-16:05	prediction	A0671
5	13.30 10.03	Hao Zhou, Gang Wang	710071
		Northwestern Polytechnical University National Key Laboratory of	
		Aerodynamic Design and Research	
		Wall Pressure Fluctuations on a Cone-Cylinder Model at Transonic	
1	16:05-16:20	Regime	A 0750
4	16:05-16:20	Chang Liu, Chen Ji, Lei Zhao	A0759
		China academy of aerospace aerodynamics	
		Self-propulsive performance of tandem flapping-fixed airfoils at low	
_	1.500.1507	Reynolds number: A case study	10151
5	16:20-16:35	Gang Li, Long Chen, Yanlai Zhang, Jianghao Wu	A0164
		Beihang University	
	L	Break 16:35-17:00	l
		Poster Time	
		A.M. Oct 17th	
S	ession9-3 Aero	odynamic Design and Optimization-2(organized), Room: Meeting Room 5 \(\frac{1}{2}\)	<b>☆</b> 议室 5
- 2	371010	Chair: <b>Dongyu Zhu</b> , AVIC Aerodynamics Research Institute	- <u>~</u>
		Geometric uncertainty quantification and robust design of aero-engine	
		blade profile	
1	8:30-8:45	Pengbo Zheng, Baotong Wang, Kai Zhou, Junying Wang, Xinqian	A0575
1	0.50-0.45	Zheng, Yu Fu	110313
		Tsinghua University	1
		Tomgnaa Omvotony	<u> </u>

	T		ı		
		Sensitivity analysis of infrared radiation from tailless aircraft nozzle			
2	8:45-9:00	caused by incoming conditions	A0592		
		Chengjun He, Jiangtao Huang			
		China Aerodynamics Research and Development Center			
		Aerodynamic-Driven Topology Optimization of Compliant Morphing			
3	9:00-9:15	Airfoil Using Panel Method	A0730		
	7.00 7.13	Keita Kambayashi, Kogiso Nozomu	110750		
		Osaka Metropolitan University			
	9:15-9:30	Air Inlet/Airframe Integration Optimization based on the Discrete	A0588		
4		Adjoint Method			
-	7.13 7.30	Bowen Shu, Jiangtao Huang	110300		
		Northwestern Polytechnical University			
		Break 9:30-9:45			
	Session9-4	4 Aerodynamic Design and Optimization-3, Room: Meeting Room 5 会议室	5		
		Chair: <b>Yayun Shi</b> , Xi'an Jiaotong University			
		The airfoil optimization design of a large paraglider			
1	9:45-10:00	Xia He, Gang Yu	A0670		
1	7.43 10.00	Aerospace Life-Support Industries Ltd. AVIC, Hubei University of Arts	110070		
		and Science			
		Multi-Condition Robust Optimization Design of High Subsonic Cascades			
2	10:00-10:15	Considering the Uncertain Changes of Inlet Flow Condition	A0742		
	10.00-10.13	Wuan Zhao, Hang Xiang	A0742		
		Beihang University			
		Research on Aerodynamic Test at High Angle of Attack and Post-stall	A0648		
3	10:15-10:30	Reorientation Simulation for Air-to-Air Missiles			
3	10.13-10.30	Xiaoqiang Xu, Minmin Li, Lin Shen, Da Huang	A0046		
		Nanjing University of Aeronautics and Astronautics			
		Dynamic Modeling of a Stratospheric HALE UAV			
4	10.20 10.45	Dongjun Shin, Chanku Han, Hoijo Jeong, Jinyoung Suk, Seungkeun	A 0726		
4	10:30-10:45	Kim, Hyun-Sik Choi	A0736		
		Chungnam National University, Daejeon, South Korea			
		Break 10:45-11:00			
		Session9-5 Aerodynamics-2, Room: Meeting Room 5 会议室 5			
		Chair: Yanlai Zhang, Beihang University			
		Unsteady Aerodynamic Characteristics of Slender Body at Extra-high			
1	11 00 11 15	AOA	A0752		
1	11:00-11:15	Fangjian Wang			
		China Academy of Aerospace Aerodynamics			
		Research on Fluctuating Pressure of Transonic Rocket Based on IDDES	A 0755		
2	11.15 11.20	Turbulence Model			
2	11:15-11:30	Yongde Li, Chen Ji	A0755		
		China Academy of Aerospace Aerodynamics			
		High Fidelity Simulation on Fluid-Structural Interaction of Hammerhead	A 0727		
2	11 20 11 45	Vehicle with Transonic Buffetting Flow			
3	11:30-11:45	Mengzhu Qin, Gang Wang	A0737		
		Northwestern Polytechnical University School of Aeronautics			
		Analysis of Trim and Rotor/Wing Interference Characteristics of High-			
١,	11:45-12:00	Speed Composite Helicopter in Hover	40405		
4		Linyan Huang, Xu Zhao	A0405		
		Northwestern Polytechnical University			
	Propulsion performance of multiple pitching-heaving airfoils in side-by-				
_	10.00.15.15	side configurations	4.00:5		
5	12:00-12:15	Kai Wang, Long Chen, Yanlai Zhang, Jianghao Wu	A0342		
		Beihang University			
	P.M. Oct 17th				
	Session9-6 Aircraft Design-11, Room: Meeting Room 5 会议室 5				

	Chair:	Cyrille Breard, COMAC Shanghai Aircraft Design and Research Institute	
		Backstepping Sliding Mode Control of UAM Aircraft Under Urban Wind	
		Environments	
1	14:00-14:15	Jiwoo Choi, Yunseob Kim, Hoijo Jeong, Dongsu Seon, Jinyoung Suk,	A0729
		Seungkeun Kim, Shinkyu Jeong, Tae Sik Kim	
		Chungnam National University	
		Continuous Modeling in Aircraft Mission Analysis and Simulation	
2	14:15-14:30	Yuchen Zhang	A0149
-	1.110 1.100	Chinese Aeronautical Establishment	110177
		Study on Influence of Inner Root Shape of Slat on the Aerodynamic	
		Performance of High-lift System	1
3	14:30-14:45	Mengying Chen	A0159
		COMAC Shanghai Aircraft Design and Research Institute	
		Switchblade: Design and Performance Analysis of a Precision Strike	
		Weapon	
4	14:45-15:00	Lijun Xie, Tingting Zhang	A0068
		CH UAV Science & Technology Co., Ltd.	
		Break 15:00-15:20	
		Session9-7 Flight Simulation, Room: Meeting Room 5 会议室 5	
		Chair: <b>Yanjie Shen</b> , AVIC Aerodynamics Research Institute	
		Remote Eyewitness to Flight Test for Validation Type Certification	
		Faliang Wang	
1	15:20-15:35	Xi'an Aircraft Airworthiness Certification Centre, Civil Aviation	A0081
		Administration of China	
		Dynamic simulation of cable system based on Kane method with an	
		adaptive segmentation algorithm	
2	15:35-15:50	Jian Shen, Lei Qiao, Jiakuan Xu, Junqiang Bai	A0603
		Northwestern Polytechnical University	
		Preliminary Investigation for Human Flight Stability in Wearable	
	15:50-16:05	Aviation System	
3		Keita Kimura, Daichi Wada, Hiroto Tanaka, Aoi Izumi	A0747
		Japan Aerospace Exploration Agency	
		Experimental researches on electric thermal anti-icing performance and	
		runback icing	
4	16:05-16:20	Dongyu Zhu, Runan Pei, Zhansen Qian, Li Yuan	A0173
4	10.03-10.20		A0173
		Liaoning Provincial Key Laboratory of Aircraft Ice Protection, AVIC Aerodynamics Research Institute	
		· ·	
		Experimental Study of Icing and Anti-Icing for Pitching Airfoil	-
5	16:20-16:35	Yuan Wu, Lingsong Xu, Chenglin Tian, Dongyu Zhu, Chunling Zhu,	A0607
		Fukun Zhang AVIC A gradymamics Passarah Instituta	-
		AVIC Aerodynamics Research Institute	
		Mesh Impact Analysis of Eulerian Method for Droplet Shadowed Zone	A0611
6	16:35-16:50	of Aircraft Icing	
		Wenzhao Zhao, Xiaobin Shen	
		Beihang University	

Track 10 (Meeting Room 6 会议室 6)

		Track 10 (Meeting Room 6 会议室 6)	
		P.M. Oct 16th	
		Wind Tunnel Testing-1(organized), Room: Meeting Room 6 会议室	6
	Ch	air: Zhansen Qian, AVIC Aerodynamics Research Institute	
		Skin-Friction Topology on Axisymmetric Boattail Models by	
1	14:00-14:15	an Optical-Flow Algorithm with a Sub-grid Function	A0093
1	14.00-14.13	Gopal Sharma	A0093
		Kyushu University	
		Investigation of Flow Field and Performance of a Tandem	
2	14:15-14:30	Flapping Wing Micro Air Vehicle	A 0254
	14:13-14:30	Ryosei Azuma	A0354
		Nagaoka University of Technology	
		Research on Flight Test Techniques of Single Runway Aircraft	
2	14 20 14 45	Minimum Take-off Time Interval	A 0270
3	14:30-14:45	Lu Qiu, ZhiYi Li	A0370
		Chinese Flight Test Establishment	
		A real-time flow pattern visualization based on linear stability	
	44454500	theory	
4	14:45-15:00	Jie Ren	A0432
		Beijing Institute of Technology	
		Break 15:00-15:20	
	Session10-2 V	Wind Tunnel Testing-2(organized), Room: Meeting Room 6 会议室	' 6
		hair: Yongfei Cao, AVIC Aerodynamics Research Institute	. •
		Low Speed Wind Tunnel Test Method and Structural Function	
		Verification of Variable Camber Wing Leading Edge Full Scale	
1	15:20-15:35	Prototype	A0194
1	13.20-13.33	Chunpeng Li, Chunpeng Li	A0174
		AVIC ARI	
		Experimental Investigation of Model Deformation on A High	
		Aspect Ratio Aircraft at Transonic Speeds in ETW	
2	15:35-15:50	Yulong Ba, Ying Chen	A0245
		Shanghai Aircraft Design and Research Institute of COMAC	
		Aerodynamic Test Study on Slender Air Vehicle at Extra-wide	
3	15:50-16:05	Angle-of-attack	A0757
		Zhiyang Zhang, Yuhui Song, Jin Liu, Fangjian Wang	
		China Academy of Aerospace Aerodynamics	
		Wind Tunnel Model Static Aeroelastic Deformation Correction	
4	16:05-16:20	Method Based on Grid Reconstruction	A0217
		Kai Chen, Dawei Wu, Pan Cheng, Kun Mao, Ying Chen	
		Shanghai Aircraft Design & Research Institute	
		Experimental study of wall temperature effect on hypersonic	
5	16:20-16:35	aerothermal environment	A0269
	10.20 10.00	Xinguo Sha, Deqiang Zeng, Jian Lin, Feng Ji, Shiwei Li	110203
		China Academy of Aerospace Aerodynamics	
		Break 16:35-17:00	
		Poster Time	
		A.M. Oct 17th	
		10-3 Wind Tunnel Testing-3, Room: Meeting Room 6 会议室 6	
	C	Chair: Tihao Yang, Northwestern Polytechnical University	
		Flow Visualization of Lifting Body by Phosphorescence	
1	8:30-8:45	Thermography	A0302
•	0.50 0.45	Rui Ye, Suozhu Wang, Wen ling Liu, Xin Jin	110302
		China Academy of Aerospace Aerodynamics	

4		China Academy of Aerospace Aerodynamics  An improved model of free piston compressor considering entropy change  Xiangyu Yi, Dapeng Yao, Junmou Shen, Xing Chen, Zhixian Bi  China Academy of Aerospace Aerodynamics  P.M. Oct 17th  10-6 Wind Tunnel Testing-6, Room: Meeting Room 6 会议室 6  Chair: Long Qiao, AVIC Aerodynamics Research Institute  Adaptive Partitioning of Nonlinear Aerodynamic Data with Interpretable Sparse Mixture-of-experts Model	A0614 A0621
	Session	An improved model of free piston compressor considering entropy change  Xiangyu Yi, Dapeng Yao, Junmou Shen, Xing Chen, Zhixian Bi China Academy of Aerospace Aerodynamics  P.M. Oct 17th  10-6 Wind Tunnel Testing-6, Room: Meeting Room 6 会议室 6 Chair: Long Qiao, AVIC Aerodynamics Research Institute	A0614
		An improved model of free piston compressor considering entropy change  Xiangyu Yi, Dapeng Yao, Junmou Shen, Xing Chen, Zhixian Bi  China Academy of Aerospace Aerodynamics  P.M. Oct 17th	A0614
		An improved model of free piston compressor considering entropy change  Xiangyu Yi, Dapeng Yao, Junmou Shen, Xing Chen, Zhixian Bi  China Academy of Aerospace Aerodynamics  P.M. Oct 17th	A0614
	11:45-12:00	An improved model of free piston compressor considering entropy change  Xiangyu Yi, Dapeng Yao, Junmou Shen, Xing Chen, Zhixian Bi  China Academy of Aerospace Aerodynamics	A0614
	11:45-12:00	An improved model of free piston compressor considering entropy change  Xiangyu Yi, Dapeng Yao, Junmou Shen, Xing Chen, Zhixian	A0614
	11.45 12.00	An improved model of free piston compressor considering entropy change	A 0.614
3		An improved model of free piston compressor considering	
3			
3		LCU: A 1 CA A 1 '	
3	11.50 11.75	Tingting Zhang, Lijun Xie	110073
	11:30-11:45	Method	A0073
		Preliminary Exploration of Hypersonic Wind Tunnel Inlet Test	
		China Academy of Aerospace Aerodynamics	
<i>_</i>	11.15-11.50	Tingting Zhang	A00/2
2	11:15-11:30	Tunnel	A0072
		Preliminary Study of High Mach Arc Aerodynamic Test Wind	
		China Academy of Aerospace Aerodynamics	
1	11:00-11:15	Nong Chen	A0065
1	11 00 11 15	improvement	4.00.55
		The roll dynamic instability mechanism and deformed wing	
	5000001	Chair: Jong-Seob Han, Chungnam National University	
	Session	10-5 Wind Tunnel Testing-5, Room: Meeting Room 6 会议室 6	
	l	Break 10:45-11:00	
		China Academy of Aerospace Aerodynamics	
4	10:30-10:45	Feng Xie	A0532
		Ventilation Models	
	+	China Academy of Aerospace Aerodynamics Research on A Semi-Model Measurement Method for	
		Ruiqu Li China Academy of Acrospace Acrodynamics	
3	10:15-10:30	Deqiang Zeng, Jian Lin, Xinguo Sha, Xiangyu Yi, Feng Ji,	A0514
2	10.15 10 20	Strain Gauge Balance in Wind Tunnel	A 051 4
		Aft-body Jet Effects Testing Technique based on Cassette	
		The University of Tokyo	
_	10.00 10.15	Ju-Hoe Kim, Yuta Nishijima, Yuta Yaguchi, Takeshi Tsuchiya	110017
2	10:00-10:15	Structured Propeller Blades via Wind Tunnel Tests	A0517
		Measurement of Aerodynamic Passive Twisting in Lattice-	
		China Academy of Aerospace Aerodynamics	
1	7.73 10.00	Deqiang Zeng, Feng Ji, Xinguo Sha, Riming Sun, Rui Ye	110310
1	9:45-10:00	Morphing Aircraft in Wind Tunnel	A0510
		Experimental Technique and Verification for Telescopic	
	Ch	air: Iijima Hidetoshi, Japan Aerospace Exploration Agency	
		10-4 Wind Tunnel Testing-4, Room: Meeting Room 6 会议室 6	
	•	Break 9:30-9:45	
		China Academy of Aerospace Aerodynamics	
4	9:15-9:30	Zhu Xiaojun, Chen Zhenhai, Zhang Rongguo, Ou Dongbin	A0329
		Design and Analysis of Low Enthalpy Total Temperature Probe	
		China academy of aerospace aerodynamics	
3	9:00-9:15	Zhan Liu, Nong Chen	A0480
_		motion trajectory and heat flux in shock wind tunnel	
		Real-time synchronous measurement of three-dimensional	
		China Academy of Aerospace Aerodynamics	
	8:45-9:00	Measurement in High-Enthalpy Shock Tunnel FD-21 Guangsen Jia, Xin Jin, Feng Ji, Nong Chen, Xing Chen	A0311
2		Phosphor Thermography for Global Heat Transfer  Maggyroment in High Enthalmy Shock Typnel ED 21	

		Wei Wei, Bihe Xu, Wanfang Yan, Liao GengYang	
		China Academy of Aerospace Aerodynaics	
2	14:15-14:30	Alternative Force Measurement for Flapping Plates in Wind Tunnel	A0688
		Jong-Seob Han	A0000
		Chungnam National University	
3	14 20 14 45	Experimental investigation of low power electro-thermal ice	
		protection system	A 0.627
	14:30-14:45	Pei Runan	A0637
		AVIC Aerodynamics Research Institute	
		The Numerical and Experimental Research on Supersonic	
4	14.45.15.00	Parallel Separation	A 0752
4	14:45-15:00	Han Qin, Lan Chen	A0753
		China Academy of Aerospace Aerodynamics	
		Break 15:00-15:20	
	Session1	0-7 Wind Tunnel Testing-7, Room: Meeting Room 6 会议室 6	
		air: Liangjie Gao, AVIC Aerodynamics Research Institute	
		Study on the Influence of Outbound Angle on the Backward	
1	15:20-15:35	Separation Motion of Buried Vehicle	A0754
1		Wei Lu, Zenghui Jiang	A0734
		China Academy of Aerospace Aerodynamics	
	15:35-15:50	Design and Integration of a Network-based Testing System for	
2		a Full-scale Turbine Test Rig	A0572
2		Xiaotao Yu	A0372
		AECC Shenyang Engine Research Institute	
		A Semi-physical Simulation Method for Wind Tunnel	
3	15:50-16:05	Simulation of Aircraft Rolling Maneuver Separation	A0580
3		Shuai Wang, Feng Xie	A0380
		China Academy of Aerospace Aerodynamics	
		Design and Analysis of a Wing Twist Mechanism for Flapping	
		Wing Ornithopter	
4	16:05-16:20	Seongjin Kim, Jungwook Hwang, Woongtaek Oh, Inrae Kim,	A0700
		Jinyoung Suk, Seungkeun Kim	
		Chungnam National University	