

目 次

* 专家论坛 *

- 1 复杂电子装备结构数字化样机探索与实践 胡长明,操卫忠,王长武,王金伟,吴敬凯

* 结构设计 *

- 10 某雷达天线的结构设计与振动条件分解 王朋,彭超,任恒
 14 平面阵雷达振动变形特性分析 侯守武
 18 一种高稳定性重载升降系统设计与仿真分析 陈世杰,王庆虎,徐焕焕,宋健
 23 车载雷达平台的快速建模仿真与测试 杨斌,杭焱,赵静

* 环境适应性设计 *

- 27 壁挂式机载设备减振系统设计与分析 彭克侠,何海彬,杨勇,胡宇,符浩
 32 基于 6SigmaET 的液冷设备热分析及优化 刘启航,陈正江,黄巍
 36 雷达天线阵面及天线座炮振响应分析 戈辉
 40 电子设备液体相变冷却技术研究 何恩肖百川,李欣
 43 某电子设备芯片开裂故障分析 肖百川,关迪,刘杰,李良,刘筱云
 48 基于 JVPX 连接器的模块化插件结构与热设计分析 冷同同,王炜方,江守利,李佳
 51 夹层扁壳结构各参数对型面热变形的影响 许锦康
 55 金刚石/铜在微波功率组件热设计中的应用研究 张梁娟,钱吉裕,牛通,韩宗杰

* 数字化样机技术 *

- 59 机械产品装配精度可靠性评估软件开发与应用 罗宏亮,胡祥涛,苏春,陈帝江

* 简讯 *

- 58 增材制造产业发展行动(2017-2020)

- 《电子机械工程》2017年总目次 (文后第 I ~ IV页)

CONTENTS

Expert Forum

Exploration and Practice of Structure Digital Prototype of Complex Electronic Equipment

HU Chang-ming, CAO Wei-zhong, WANG Chang-wu, WANG Jin-wei, WU Jing-kai(1)

Structure Design

Structure Design and Vibration Condition Decomposition of Airborne Radar Antenna

WANG Peng, PENG Hao, REN Heng(10)

Analysis of Vibration Deformation Characteristics for Planar Array Radar

HOU Shou-wu(14)

Design and Simulation Analysis of High Stability Heavy Lifting System

CHEN Shi-jie, WANG Qing-hu, XU Huan-huan, SONG Jian(18)

Fast Modeling and Test of Vehicle-borne Radar Platform Structure

YANG Bin, HANG Yi, ZHAO Jing(23)

Environment Adaptability Design

Design and Analysis of Vibration Reduction System of Wall-mounted Airborne Equipment

PENG Ke-xia, HE Hai-bin, YAN G Yong, HU Yu, FUHao(27)

Thermal Analysis and Optimization for Liquid Cooling Equipment Based on 6SigmaET

LIU Qi-ang, HENG heng-jiang, HUANG Wei(32)

Analysis on the Response of Radar Antenna Array and Antenna Pedestal to Shelling Vibration

YI Hui(36)

Study on Phase Transition Fluid Cooling Technology for Electronic Equipment

HE En, XIAO Bai-chuan, LI Xin(40)

Fault Analysis of a Cracked Electronic Equipment Chip

XIAO Bai-chuan, GUAN Di, LIU Jie, LI Liang, LIU Xiaoyun(43)

Thermal Design and Optimization of Modular Plug-in Based on JVPX Connector

LENG Tong-tong, WANG Wei-fang, JIANGS hou-li, LI Jia(48)

Effects of Structural Parameters on Thermal Deformation of Sandwich Shell Structure

XU Jin-kang(51)

Application Research of Diamond/Copper in Solid-state Microwave Power Devices

ZHANG Liang-juan, QIAN Ji-yu, NIU Tong, HAN Zong-jie(55)

Digital Prototype Technique

Development and Application of Assembly Accuracy Reliability Assessment Software for Mechanical Product

LUO Hong-liang, HU Xiang-tao, SU Chun, CHEN Di-jiang(59)

Sponsored by:

Nanjing Research Institute of Electronics Technology

Post Code: 210039

Edited and Published by:

Editorial Board of ELECTRO-MECHANICAL ENGINEERING

Address: No. 8 Guorui Road Nanjing, China

Chief Editor: DENG Da-song

P. O. Box: 3918-110, Nanjing, China

万方数据

Tel: (025) 51821078

Fax: (025) 51821053