

专稿 Feature

14 测量位置点驱动的飞机蒙皮对缝结构点云分割方法

杨亚鹏 郑炜 李沈霖 梁标 彭云
A Point Cloud Segmentation Method for Aircraft Skin Seam Structure Driven by Measurement Position
YANG Yapeng ZHENG Wei LI Shuanggao LIANG Biao PENG Yun

封面文章 Cover Story

22 基于视觉传感的投影标示技术研究进展

崔海华 王嘉瑞 赵喜东 刘博锋 国荣辉 成昌志
Research Progress of Vision-Based Projection Indication Technology
CUI Haihua WANG Jiarui ZHAO Xidong LIU Bofeng GUO Ronghui CHENG Changzhi

论坛 Forum

数字化测量技术及应用 Digital Measurement Technology and Application

36 大型压力容器内部焊接点位实时检测方法

宋丽梅 张祺乐 王烁鹏 陈恩泽 杨燕罡 朱新军
Real-Time Detection Method for Welding Points Inside Large Pressure Vessels
SONG Limei ZHANG Qile WANG Shuopeng CHEN Enze YANG Yangang ZHU Xinjun

43 基于激光干涉的可调圆形尾喷管喉部面积标定方法研究

樊金侠 傅骁 颜荣 李杰 梁春疆 段发阶
Rapid Calibration Method of Throat Area of Geometry-Variable Circular Nozzle Based on Laser Interference
FAN Jinxia FU Xiao YAN Rong LI Jie LIANG Chunjiang DUAN Fajie

50 基于深度学习的X射线胶片数字化与缺陷检测算法

缪寅宵 孙增玉 杨奕 郭力振
Algorithm of X-Ray Film Digitization and Defect Detection Based on Depth Learning
MIAO Yinxiao SUN Zengyu YANG Yi GUO Lizhen

57 融合视觉与力觉的卫星装配误差在线测量与补偿方法

李鹏程 张奇 张大为 王忠康 叶昶君 刘峰 田威
Online Measurement and Compensation of Satellite Assembly Errors Based on Vision and Force Sensing
LI Pengcheng ZHANG Qi ZHANG Dawei WANG Zhongkang YE Changjun LIU Feng TIAN Wei

CONTENTS

目次

- 67 机器人原位铣削离散点云快速精简方法研究及应用
潘新 赵建国 刘标 台春雷 刘哲 黄宁
Method and Application of Scattered Point Cloud Data Fast Simplification Used to Robot in-Situ Milling
PAN Xin ZHAO Jianguo LIU Biao TAI Chunlei LIU Zhe HUANG Ning
- 73 基于双目视觉的战斗机武器系统校靶方法研究
黄喆 李佳雄 沈小玲 徐叶倩 赵世艺
Research on Boresight Method of Fighter Plane Weapon System Based on Binocular Vision
HUANG Zhe LI Jiaxiong SHEN Xiaoling XU Yeqian ZHAO Shiye
- 80 基于光场成像的视差与深度的数值关系研究
马帅 朱绪胜 陈代鑫 周力 蔡怀阳
Study on Numerical Relationship Between Disparity and Depth Based on Light Field Imaging
MA Shuai ZHU Xusheng CHEN Daixin ZHOU Li CAI Huaiyang
- 86 基于深度学习的水下条纹投影三维测量方法
徐馨雅 吕嫩晴 于浩天 郑东亮 韩静
Underwater 3-D Measurement Using Fringe Projection Profilometry Based on Deep Learning
XU Xinya LÜ Nenqing YU Haotian ZHENG Dongliang HAN Jing

研究论文 Research

- 96 整体叶盘电解加工电解液进液角度优化研究
侯镇浩 王京涛 朱栋 王福平 陈文亮
Optimization of Electrolyte Solution Inlet Angle for Electrochemical Machining of Blisk
HOU Zhenhao WANG Jingtao ZHU Dong WANG Fuping CHEN Wenliang
- 101 SiC_p/Al 复合材料低损伤表面切削加工研究与进展
潘永智 张泽文 时启航 王振达 付秀丽 金腾
Research Progress on Machining of SiC_p/Al Composite
PAN Yongzhi ZHANG Zewen SHI Qihang WANG Zhenda FU Xiuli JIN Teng
- 113 基于人工神经网络的航空铝合金激光切割工艺研究
刘远洋 杨红艳 张增焕
Process Research of Aviation Aluminum Alloy Laser Cutting Based on Artificial Neural Network
LIU Yuanyang YANG Hongyan ZHANG Zenghuan

Contents