

湖南农机

HUNAN AGRICULTURAL MACHINERY

邮发代号42-343

1
2012

学 术

总第231期

- ◆ CNKI中国学术期刊网收录期刊
- ◆ 中国核心期刊（遴选）数据库收录期刊
- ◆ 中国学术期刊（光盘版）全文收录期刊
- ◆ 中国学术期刊综合评价数据库来源期刊
- ◆ 中国科技期刊数据库收录期刊
- ◆ 全国农机系统优秀科技期刊
- ◆ 湖南省一级科技期刊

农机维修服务体系建设存在的问题及对策

旱田保护性耕作技术的应用与发展

对城郊型农业的农机购置补贴实施思考

新疆农业机械报废更新标准及实施建议

混合模式下的农业机械载荷谱数据管理系统探讨

基于图像处理的农作物病害识别研究现状

中部六省农村聚居环境质量分析

ISSN 1007-8320



9 771007 832123

万方数据

CNKI 中国学术期刊网收录期刊
中国核心期刊(遴选)数据库收录期刊
中国学术期刊(光盘版)全文收录期刊
中国学术期刊综合评价数据库来源期刊
中国科技期刊数据库收录期刊
全国农机系统优秀科技期刊
湖南省一级科技期刊

月刊·1974 年创刊
第 39 卷第 1 期
2012·1 学术 2012 年 1 月·总第 231 期

目录

湖南农机

国内统一刊号:CN43-1093/S
国际标准刊号:ISSN1007-8320
广告许可证号:430100S059

编委会主任:谢国华

编委会副主任:文海波 蒋建业 周洪武 汤楚宙

学术指导:

汤绍武 殷瑞英 黄金科 孙松林 李明明
李素华 李 新 李新华 闵淑辉 任忠臣
谭必友 王 姣 王 谦 王 波 王 炬
宋 薇 夏景攀 谢进华 谢方平 杨建华
袁小鹏 祝传鹏 樊晓芳 周义培

名誉社长:文海波

社长主编:张春宇

责任编辑:邓勇林(英文编校)

· 编 辑:张亦弛(组稿通联)

阳湘晖(广告发行)

谢靖阳(美 术)

主管单位:湖南省农业机械管理局

主办单位:湖南省农业机械管理局

湖南省农业机械研究所

湖南省农机与工程学会

编辑出版:湖南农机杂志社

地址:(410015)长沙市芙蓉中路二段 166 号省农机局

电话:0731-88856218(学术) 0731-85558715(综合)

0731-85558404-806

投稿邮箱:hnnj7381393@126.com(学术)

hnnj8856218@126.com(学术)

hnnjzszs@126.com(综合)

图文传通 QQ:415851501

本刊网站: <http://www.湖南农机.com>

发行征订:全国公开发行

邮发代号:42-343

网上征订: <http://www.lhzd.com>

本刊代号:6675

定价:15 元/期

印刷:长沙市裕锦印务实业有限公司

| 农机化研究

- | | | |
|----|--------------------|-----|
| 01 | 对城郊型农业的农机购置补贴实施思考 | 李先宏 |
| 02 | 新疆农业机械报废更新标准及实施建议 | 张新文 |
| 03 | 农作土壤深耕深松机械化技术 | 左 勇 |
| 05 | 元江县农业机械维修行业现状及发展对策 | 白云芬 |
| 07 | 水稻育插秧机械化技术推广难点 | |

目录

单月号 2012·1 学术

2012年1月·总第231期

- 50 在数控加工中的刀具选择和切削用量的研究 李晚升
- 52 基于CAD/CAM技术的齿轮机构参数化设计与运动仿真的研究 孟爱英,潘志德
- 54 工程机械产品新型设计与研究 梁颂斌
- 55 基于MSP430和AU7850的车载音响设计 刘国珍,刘依楠
- 57 基于PLC变频调速恒压供水系统设计 姬建梅
- 58 GPS卫星定位系统在危险品行业应用的前景 马亮
- 60 混合模式下的农业机械载荷谱数据管理系统探讨 苏密忠
- 62 浅谈WebService与主流实现技术框架 甄少鹏
- 63 基于Win CE的嵌入式无线视频传输系统的设计 王娟,王仁波,魏雄
- 65 铸造铸铁的机械性能应用分析研究 王莉静
- 66 浅谈大型浮选机的研制与设计 杨业国
- 68 铝衬套表面不处理胶辊的加工工艺及制作过程 张红霞
- 69 基于单片机的作息时间控制钟的设计 严栋梁
- 71 关于机械制冷系统在猕猴桃贮藏保鲜当中的应用推广 王普强,段盾会,朱建斌,等
- 72 车削奥氏体不锈钢的加工要点 赵宏光,赵天洛
- 74 细纱松捻纱产生的机械原因 马自金
- 75 机械产品的绿色设计 王建业
- 77 智能变频器系统的软件设计 丁凯
- 79 基于S2SH框架的博客管理系统设计 方志斌
- 81 基于AT89S52单片机的电子密码锁系统设计 张永格
- 83 噪声抵消技术的研究 赵一萍
- 85 农产品电子商务平台构建与建设的思考 杨萍
- 86 液压传动系统的泄漏分析及应对措施 姜广美

机电技术

- 88 关于农业机械节油问题的研究 龚春生
- 89 农业机械节能降耗浅析 胡清华
- 91 关于如何提高我国机械加工工艺和技术水平的探讨 刘雪峰
- 92 数控机床检测装置故障的常见形式及诊断方法 沈羽,李珊珊

- 94 关于数控机床的精度检测的探讨 李强
- 95 整地深松机机械所存在的问题 苏鸿伟
- 97 小型农用柴油机的基本构造简介 张波
- 98 汽车发动机尾气排放及在故障诊断中的应用 莫持标
- 101 关于变电站继电保护技术改造的工作的探讨 周军,边耀
- 103 数控机床的日常维护与保养 辜健慧,熊飞龙
- 105 柴油发动机水温过高故障诊断排除 金学文
- 107 电磁调速电机控制系统优化与维修分析 叶建亭,屠剑文
- 109 机电一体化技术的现状和发展趋势 吐尔洪·吐尔地
- 110 关于规范10kV配网工程带电作业的几点思考 吴宝明

三农问题研究

- 112 论农村集镇建设 章睿,张江桥
- 114 江西有机农业发展现状及对策建议——以万载县为例 张红燕
- 116 中部六省农村聚居环境质量分析 苏文幸,王大娟,苏青

理论探讨

- 118 缠绕于一般曲面上张紧力的有限元计算 吴飞,李德华,莫玉林
- 121 复数在求极值问题中的应用 刘金金,沈林
- 122 非参数空间上的最小最大估计 付苗苗,彭真
- 123 浅谈正弦规微差比较法快速测量角度控制尺寸 刘伟
- 124 复数在解析几何求直线、圆锥曲线及轨迹中的应用 周韦峰峻,沈林
- 125 利用特征多项式判别矩阵可逆 李展展,邓伟娜
- 126 “代数学的独立宣言”——哈密尔顿的四元数代数 李晚升,罗成广
- 128 Lagrange定理辅助函数的构造 朱震飞,邓伟娜
- 129 关于设计人员做好电力工程造价管理的几点经验总结 张鑫
- 130 对现代科技革命与生态文明转变的现实分析 孙波

132 国内外城市圈地方政府合作现状与述评

唐君,王晓博,赵璐

133 试论媒体监督与司法公正

黄丹翔

135 试论网络经济的优势和未来蓬勃发展的必然性

高彩云

137 北极资源的开发与利用

史佳卉

139 安图县招商引资工作现状研究及对策

王艳环

141 小微企业融资难问题探究

秦岭,刘晓燕

144 地理区位因子对建设用地扩展影响探究

朱慧

文化|教育

146 浅谈如何树立中层干部的领导威信

王凤祥,田杰

147 我国高校BBS网络舆论文化建设

许亨洪

149 高校和谐型社区建设的几点建议

丁曼莉

150 论沧源县少数民族地区学员的农机培训工作

杨跃洲

152 高职院校视频教学资源建设的思考

彭亚雄

154 面向中小企业需求的《现代设计方法》教学体系

李梦奇,李冬英,陈志刚

157 四轴数控铣床加工进给螺旋的教学

毕长波

158 如何提高高职院校计算机教学效果

何明男

160 浅谈《机械基础》教学

黄丽丽

161 中等职业学校《金属材料与热处理》实验教学研究

李书杰

163 机械类专业实践教学体系的构建探究

李晓君

164 技工学校数控实习中工艺参数教学研究

田双喜

166 钻孔切削力及夹具夹紧力教学分析研究

李阳

167 技工学校《机械制图》课补缺线教学分析研究

杨惠玲

169 浅谈高职院校C

C Contents

INTERNATIONAL JOURNAL OF AGRICULTURAL MACHINERY

Jan.2012

- 01 Reflections on the peri-urban agriculture farm machinery purchase subsidy *LI Xian-hong*
- 02 Explore the road of agricultural machinery scrapped update *ZHANG Xin-wen*
- 03 Analysis of agricultural production to deep plowing subsolling mechanization *ZUO Yong*
- 05 The Yuanjiang maintenance of agricultural machinery industry status quo and Countermeasures *BAI Yun-fen*
- 07 Rice fertility planting the Mechanization difficulty and should take measures *ZHU Jun-mei*
- 09 Agricultural safety regulation and agricultural performance improved *LUO Wei-yang*
- 11 Speed up the recommendations of the mountainous agricultural technology promotion *HE Lian*
- 13 Discussion on the development of a mountainous area mechanization basic train of thought *BAI Jin*
- 15 Discussion on how to accelerate the development of a agricultural mechanization *CAI Hong-xia*
- 16 Thoughts on the remote mountainous township agricultural mechanization promotion *LI Xing-xiang*
- 18 Discussion on the new period to accelerate the pace of primary agricultural promotion
LI Yun-bin, ZHANG Mang-guo, WANG Wen-ge, et al
- 19 Analysis of how the rural and pastoral areas to do agricultural supervision *HU Da-gu-la*
- 21 The problems of primary agricultural management services *DING Wei*
- 22 Analysis of the rural agricultural safety measures *DENG Shi-tang*
- 24 Problems and countermeasures of the primary farm machinery repair service system *ZHANG Tan-qing*
- 25 Cypress Town, agricultural machinery promotion prospects *WAN Tong-fa*
- 27 Investigate the direction of development of agricultural management in the new situation *XIAO Yun-zhong*
- 28 Research and promotion of small tea plantation farming machinery *ZUO Feng*
- 30 Ways to improve the quality of agricultural machinery operation *YANG Zhao-hong*
- 32 Study on Problems and Proposals on the Promotion of Maize Machine-harvesting *WU Pei-xia*
- 33 Application and development of upland conservation tillage technology
YAN Feng-yu, ZHAI Chang-hai, ZHAO Fu-sheng
- 35 Improve the development of agricultural mechanization level *DU Guang*
- 36 Analysis of rotary tillers in the position and role of water rich in agricultural production *YANG Rui-ying*
- 38 Let a farmer get more benefits from subsidies *SHI Zai-chun*
- 39 EMD in the cyclic spectrum detection
GAO Li-long, WANG Xin-qing, JIANG Wen-feng
- 41 Optocoupler in the car *HOU Tan-gang*
- 43 Heat prediction based on the Models of mean-generating function *LANG Xu-feng HE Yue-shun*
- 45 Should be noted that multi-line design *WANG Ya-juan*
- 47 Necking Forming Process and Die for the Inner Holding Handball *BEN Li*
- 48 The machinery manufacturing technology characteristics and development trends *LI Guo-cheng*
- 50 Tool selection in CNC machining and cutting
LI Xiao-dan
- 52 The Study of Gear Parametric Design and Motion Simulation Based on CAD/CAM Technology
MENG Ai-ying, PAN Zhi-de
- 54 New design and engineering machinery products
LIANG Song-bi
- 55 The car audio design based on MSP430 and AU7850
LIU Yuan-Zhen, LIU Yi-Nan
- 57 PLC frequency control water supply system design
Ji Jian-mei
- 58 GPS satellite positioning system at the prospect of dangerous goods, industrial applications *MA Liang*
- 60 Discussion on agricultural machinery in the mixed-mode load spectrum data management system
SU Mi-zhong
- 6

C Contents

Jan.2012

HUNAN AGRICULTURAL MACHINERY

- 72 Brief Analysis of the turning of austenitic stainless steel processing points ZHAO Hong-guang, ZHAO Tian-luo
- 74 Mechanical reasons for the detailed analysis of spinning loose twist yarn MA Zi-jin
- 75 The green design of mechanical product WANG Jian-ye
- 77 Software design of intelligent inverter system DING-Kai
- 79 Blog Management System Based on SSH Framework FANG Zhi-bin
- 81 AT89S52 microcontroller-based electronic lock system design ZHANG Yong-ge
- 83 Noise cancellation technology research ZHAO Yi-wei
- 85 Agricultural e-commerce platform to build and Construction YANG Ping
- 86 Leakage of the hydraulic drive system analysis and response measures JIANG Guang-mei
- 88 The problems of agricultural machinery oil GONG Chun-sheng
- 89 Energy saving and reducing consumption analysis of agricultural machinery HU Qing-hua
- 91 Discussion on how to improve our machining processes and technologies LIU Xue-feng
- 92 Common forms of CNC machine tool detection device failure and diagnostic methods SHEN Yu, LI Shan-shan
- 94 Discussion on the accuracy of detection of CNC machine tools LI Qiang
- 95 Soil preparation machinery of the subsoiler existing problems SU Hong-wei
- 97 The basic structure of small agricultural diesel engine profile ZHANG Bo
- 98 Automobile engine exhaust emissions and fault diagnosis in the application MO Chi-biao
- 101 Discussion on the work of the substation relay protection technological transformation ZHOU Jun, BIAN Jiang
- 103 Daily care and maintenance of CNC machine tools GU Jian-hui, XIONG Fei-long
- 105 Fault diagnosis and elimination of diesel engine with high water temperature JIN Xue-wen
- 107 Analysis on Control System Optimization and Maintenance of Electromagnetic Adjustable Speed Motor YE Jian-ting, JU Jian-wen
- 109 Analysis of electromechanical integration of the status quo and development trend TUE RHONG Tu-erdi
- 110 Reflections on the specification of 10KV network engineering live working WU Yi-ming
- 112 The construction of rural market towns ZHANG Rui, ZHANG Jiang-qiao
- 114 Jiangxi Development of Organic Agriculture Situation and Suggestions - Wanzai County ZHANG Hong-yan
- 116 The six central provinces in rural areas inhabited by the environmental quality analysis SU Wen-xin, WANG Da-juan, Su Qing
- 118 Finite element calculating the force of the winding on general surface Wu Fei, Li De-hua, Mo Yu-lin
- 121 Plural extremum problems LIU Jin-jin, SHEN Lin
- 122 Minimal and maximal estimates on non-parameter space FU Miao-miao, PENG Zhen
- 123 Discussion on sine gauge differential comparison method for rapid measurement of angle control size LIU Wei
- 124 Complex analytic geometry and straight lines, conic and track ZHOU Wei-zhengrong, SHEN Lin
- 125 Characteristic polynomial discriminant matrix reversible LI Chen-chen, DENG Wei-na
- 126 Algebra of the declaration of independence —Hamilton's quaternion algebra LI Xiao-dan, LUO Cheng-guang
- 128 Lagrange theorem auxiliary function is constructed WEI Xia-fei, DENG Wei-na
- 129 Some experience of the power project cost summary on the design staff ZHANG Xin
- 130 The analysis of the modern technological revolution and ecological civilization SUN Bo
- 132 City circle at home and abroad the local government status and commentary TANG Jun, WANG Xiao-bo, ZHAO Cong

C Contents

HUNAN AGRICULTURAL MACHINERY

Jan.2012

- 147 China's university BBS network of public opinion and cultural construction *XU Heng-hong*
- 149 A few suggestions on harmonious college community building *DING Man-li*
- 150 Cangyuan County students in minority areas of agricultural cultural training *YANG Yue-zhou*
- 152 Construction of Vocational Video Education Resources *PENG Ya-xiong*
- 154 Educational System of Modern Design Method for Requirements of Medium/Small Enterprises
LI Meng-qi, LI Dong-ying, LIU Zhi-hui
- 157 Four axis CNC milling machine processing infedding screw teaching *BI Chang-bo*
- 158 How to improve the teaching effectiveness of colleges and universities computer *HE Ming-yong*
- 160 The mechanical basis teaching *HUANG Li-li*
- 161 Experimental teaching and research on "Metallic Materials and Heat Treatment" of secondary vocational schools *LI Shu-jie*
- 163 Mechanical professional practice teaching system constructed to explore *LI Xiao-jun*
- 164 Technical schools CNC practice in process parameters teaching and research *TIAN Shuang-xi*
- 166 Teaching analysis of drill cutting force and fixture clamping force *LI Yang*
- 167 Mechanic school mechanical drawing class to fill a vacancy line teaching analysis *YANG Hui-ling*
- 169 The Vocational Colleges C Programming Language Teaching Reform *YUAN Xiao-gui*
- 170 Teaching of Pressure Casting Technology in Higher Vocational Colleges *ZHANG Mu, YANG Bing-bing*
- 172 Strengthen moral education in promoting the role of quality education *WANG Sheng-hai*
- 173 Technical schools, sports teaching and research culture based on the Olympic spirit *Fan Wenjie*
- 175 Deepen the Institutional Reform of School-enterprise Cooperation To Cultivate High-skilled Auto Professionals *HUANG Wei, SHAO Ying-chun*
- 176 Review of Crop Diseases Recognition Based on Image Processing *LI Wang, TANG Shao-xian*
- 179 The effectiveness of the status quo and countermeasures of Xingshan County crop pest specialization system against rule *ZHANG Hai-bo, GAN Fa-lin*
- 181 Rape planting density and fertilizer levels on yield *ZHEN Zhi-hua*
- 182 Southern Xinjiang cotton production and quality *WANG Xin-min*
- 184 Larch foliage extracts and forest soil on the growth of three kinds of flowers *LIU Xiu-mei*
- 186 Applied Research on New Technology of Drought Resistance for Afforestation *REN Ying-feng, JIA Chang-rong*
- 188 Ecologically sensitive evaluation based on land use types - Pianguan County as an example *ZHANG Le-min*
- 190 The prospects for the development of of Lalwu vertical greening *ZHANG Lei -he*
- 192 Straw comprehensive utilization of opportunities and challenges
SHAO Yong-kang, AI Min, JIANG Li-qiang, CHEN Liang
- 193 Identification of continuous high temperature heat wave events *HE Jie, HE Yue-shun*
- 195 Analysis of the urban landscape water pollution prevention and control strategies *KUAI Chun-li*
- 197 Wildlife Protection and Management *HU An-ling*
- 198 Seedless wampee fruit tree cultivation and pest control *JIANG Jian-ming*
- 200 Suz