

农业、农业机械化主要战略目标决策试验及预测的数学模型研究

A RESEARCH ON THE MATHEMATICAL MODEL OF THE EXPERIMENT AND THE FORECAST OF ESSENTIAL STRATEGIC DECISION FOR AGRICULTURE AND AGRICULTURAL MECHANIZATION

稿件编号: 19870403

中文关键词:

英文关键词:

基金项目:

作者	单位
薛霁云	淮海大学
吴起亚	江苏工学院

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中文摘要:

本文根据计量经济学原理,在对影响农机化发展有关因素进行定性分析的基础上,构造了联立方程数学模型,用安徽省全椒县历史上近十年的统计数据,在电子计算机上进行了大量计算,求出联立方程的具体表达式,并在此基础上进行了分析、预测和政策试验,得到了成功的应用。

英文摘要:

According to the principles of economic metrology and based on the qualitative analysis of the factors influencing the development of agricultural mechanization, authors established a mathematical model with simultaneous equations. To find out the specific expressed formula with simultaneous equations, authors calculated a large amount of statistical data within recent ten years from Quan-jiao County, An-hui province, PRC. by electronic computer. Based on this expressed formula, authors are successfully to complete the analysis, the forecast and the experiment of strategic decision for agriculture and agricultural mechanization.

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