

## 计算机自动检测羊绒细度的研究

### Study on Automated Measuring Diameter of Cashmere With Computer

投稿时间: 1999-11-1

稿件编号: 20000234

中文关键词: 羊绒细度; 图像; 计算机检测

英文关键词: cashmere diameter; image; computer inspection

基金项目: 中华人民共和国河北进出口检验检疫局项目

作者	单位
黄丽华	河北农业大学
杨卫中	河北农业大学
高瑞清	中华人民共和国河北进出口检验检疫局
澹台炳琰	河北农业大学
沈贵水	河北农业大学

摘要点击次数: 4

全文下载次数: 11

中文摘要:

羊绒细度是我国山羊绒出口时商检的一项重要检测指标。该文所研究的检测方法是用图像采集卡获取经显微镜放大的羊绒图像,对图像进行灰度处理;运用线性回归及智能化方法,将图像的背景污点过滤掉,并且把不规则的羊绒图像转变成规则图像,从而测量出羊绒的直径即细度

英文摘要:

Measuring diameters of cashmere is an important item for inspective and quarantine sections in exported cashmere. A new measuring method was put forward as follow. After the cashmere being magnified by a microscope, its image taken by a camera was transported to a computer connected with the camera. And then the image was displayed on screen of the computer by a image acquiring adapter in the computer. Firstly, the image (including background) was processed according to color value of their pixels. Secondly, the stains of background were filtrated by linear regression and intellectual method. Thirdly, the irregular image was turned into regular image. Finally, caculating diameter of the regular image was conducted.

[查看全文](#)

[关闭](#)

[下载PDF阅读器](#)

您是第606957位访问者

主办单位: 中国农业工程学会 单位地址: 北京朝阳区麦子店街41号

服务热线: 010-65929451 传真: 010-65929451 邮编: 100026 Email: [tcsae@tcsae.org](mailto:tcsae@tcsae.org)

本系统由北京勤云科技发展有限公司设计