

## 遥感应用

### 利用面向对象的分类方法提取水稻种植面积

#### 摘要:

结合广西水稻面积的遥感解译工作,应用SPOT4遥感数据和遥感处理软件ENVI,利用面向对象的遥感分类的方法提取早稻种植面积。分类结果表明,利用面向对象的分类方法有效解决逐像素分类结果的“椒盐”效应,获得比传统的像素级分类方法更高的分类精度,为广西水稻种植面积的自动提取提供了广阔的前景。

关键词: 面向对象分类 K近邻法 水稻 广西

### Research on Extraction of Rice Planting Area Based on Object-oriented Classification Method

#### Abstract:

The paper combines the remote sensing interpretation of rice area in Guangxi, applies SPOT4 remote sensing data and remote sensing software ENVI, makes use of object oriented remote sensing classification method to extract rice planting area. The classification result shows that by using object oriented classification method, it is helpful to solve the “salt and pepper” effect that is the result of pixel by pixel classification effectively, and receive higher classification accuracy compared to the traditional pixel level classification method, and the provide the broad prospective for the automatic extraction of rice planting area in Guangxi.

Keywords: object-oriented classification K nearest neighbor rice guangxi

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