



Application of remote sensing technology in the study of vegetation: Example of vegetation of zhejiang province in China

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Remote sensing technology, is one of the pillars of the space information technology in the 21st century, play an important role in the study of vegetation. Vegetation coverage as an important parameter reflecting surface information, has been an important research topic in the field of vegetation remote sensing. Administrative region in zhejiang Province as the study area, use of microwave remote sensing and hyperspectral remote sensing technology, combined with the related data, to survey the area of forest resources in zhejiang Province, establishes an index system of sustainable forest resources management ability in zhejiang, and to evaluate its ability. Remote Sensing is developed in the 1960s of the earth observation technology, comprehensive instruments refers to the application, not contact with the object detection phase, the target characteristics of electromagnetic waves recorded from a distance, through the analysis, reveals the characteristics of the object properties and changes of comprehensive detection technology. Investigation of vegetation is an important application field of remote sensing investigation. Vegetation is an important factor of environment, and also is one of the best sign to reflect the regional ecological environment, at the same times is the interpretation of soil, hydrological elements such as logo, individual or prospecting indicator plant. Vegetation imaging and interpretation of research results for environmental monitoring, biodiversity conservation, agriculture, forestry and other relevant departments to provide information services. Microwave remote sensing hyperspectral remote sensing technology and application in the research of vegetation is an important direction of remote sensing technology in the future. This paper introduces the principle of microwave remote sensing and hyperspectral remote sensing and its application in vegetation studies as an example, the microwave remote sensing and the development direction and prospect of hyperspectral remote sensing.