Abstract

Indonesia has vast tropical forests and rich biodiversity. The occurrence of change rate in forest area generally is caused by extreme weather changes, destruction of the ozone layer, floods and landslides that can damage system imbalance of environment. The destruction of forests (deforestation) in Indonesia in the period from 2003 to 2006 reached 1.17 million hectares per year. This research needs to perform the interpretation of satellite imagery for monitoring and calculating of change rate in forest area, in order to identify forest area and separation from other areas and need to know the calculating of forest area and monitoring of its changes at any time in accordance with forest shooting by satellite. The purpose of this study is to develop an image analysis system is used for monitoring and calculating of change rate in forest area which is obtained from satellite imagery. The focus of this study, is to determine type of color space which is the most suitable for used and can represent exact color of the forest in a satellite image.
- Anonimus, 2007, view as html www.irwantoshut.net/pict-rain-forest.jpg

Index Terms

Computer Science

Image Processing

Keywords

Segmentation satellite image color change rate forest