

A STUDY OF IMAGE PROCESSING IN ANALYZING TREE RING STRUCTURE

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ABSTRACT

This paper describes the design and implementation of an interactive image analysis system for dendrochronology, tree ring structure. Image processing is the highest level of the evolution of imaging techniques. New qualities are brought to imaging systems by digital computers and processors. Image processing has various application fields. Such application is tree ring analysis. It determines the living period of trees and all the factors affecting the tree. Image analyses transform the tree ring into digital data using processing software. This process includes resizing, density slicing, measuring (distances and angles), scaling, and stacking. Software are available for analysing the factors of various trees ring patterns. This paper study about the software used image processing for analysing dendrochronology.

KEYWORDS: Dendrochronology, Segmentation, Edge Detection