

TREND ANALYSIS IN SPATIO-TEMPORAL USING SOFM

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ABSTRACT

This Paper is concerned with the trends analysis and unsupervised classification of satellite images using self-organized feature map (SOFM). This study is an investigation of the trend analysis in satellite imagery based on SOFM of artificial neural network. Supervised and unsupervised learning are the common techniques for image classification. This study is an investigation of the trend analysis in satellite imagery based on SOFM of artificial neural network.

KEYWORDS: Artificial Neural Network, Self-Organizing Feature Map (SOFM), Trend Analysis, Vector Quantized Temporal Associative Memory (VQTAM)