

Advanced and Accurate Weather Forecasting using Digital Image Processing

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Abstract: In this review paper we are discussing about the weather forecasting and climate using DIP or Digital Image Processing technology. Images through satellite getting easier to access for arriving new satellite imaging techniques where images can be used to predict the recent condition in weather. Mostly, they are divided into two parts where the first part describes about the coverage of the cloud through the satellite image for extracting and a process known as Image Segmentation process to segment an image from the cloud the segmentation and the other part describe about the segmentation process of an image which can be calculated over the percentage value to coverage the cloud. Cloud cover percentage includes some kinds of inputs like humidity, temperature, speed of wind for artificial neural networks. Cloud extraction is the major process for implementing convolution energy in major cases. So, this review paper describes about the technologies which is easy to implement and execute their runtime faster.

Keywords: Digital Image Processing, Climate, Weather, Image segmentation, rainfall, thunderstorm, GPS, Rader, Satellite.

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