

## Dynamic feature extraction of flood disaster data based on improved Gabor wavelet transform

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### ABSTRACT

The data classification effect is poor and the loss of data is large in the process of extracting dynamic features of flood and waterlogging disaster data. A two-dimensional mathematical model of flood routing is constructed based on mobile group intelligence network, the boundary conditions and parameters of flood and waterlogging region were set, and flood and waterlogging data were dynamically collected. The experimental results show that the proposed method has high fitting degree between initial stroke width and actual stroke width, low loss rate of positive samples and good application effect.

*Keywords:* Gabor filter; Wavelet transform; Flood disaster; Feature extraction

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