
Approach of Feature Extracting Based on Single Sample

Xu Dongping, Chen Jingliang
Science and Technology of Computer, Wuhan University of Technology
Wuhan 430063, China
Email: DPXU@public.wh.hb.cn **Tel.:** +86(0) 27-86551167

ABSTRACT

It is still an open problem to extract feature from image, although there had been a lot efforts put in this area. This paper describes the general thinking of feature extraction from image, reviews the general approaches and the state-of-the-art of the method of feature extraction from image, presents a new method of manual feature extraction from image based on single sample image to deal with the same type of images, analyzes the model of the method, the particular processes of realizing and the status of application. Finally, exploratory research is recommended for future studies.

Keywords: Feature extraction; Image; Transform coding; Modeling of method.