

## The Feature Parameter Extraction in Palm Shape Recognition System

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### ABSTRACT

By feature parameter of palm shape to recognize palm is a common way. This paper introduces the recognition process of this way, brings forward the method of picking-up feature parameter of palm shape. Then eight feature parameters are picked up. They are the length of pinkie, the length of ring finger, the length of middle finger, the length of forefinger, the length of thumb, the width of ring finger, the width of middle finger, the width of palm. Experiment indicates using these eight feature parameter to recognize palm can reach high veracity and rapidity.

**Keywords:** Palm shape recognition, Preprocessing, Edge detecting, Feature extraction