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**On-line handwritten signature verification algorithm based on time sequence.** (English)

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Summary: On-line handwritten signature verification is a topic in the field of biometric authentication now. Time sequence match and result judgement are the key to this problem. This paper presents a time sequence match algorithm for handwritten signature verification. The algorithm is effectual to be examined by signature data from SVC 2004 (First International Signature Verification Competition). The paper also introduces distance calculation formula based on weighting  $H^1$  module to calculate the differences between input signatures and genuine signatures.

**MSC:**

**68T10** Pattern recognition, speech recognition