# Multi-Script Handwriting Identification using Stroke Decomposition – Outline

1. Abstract
   1. Stroke decomposition brief
   2. Multi-Script Writer Identification Problem
   3. How will stroke decomposition affect the Writer Identification Problem and can it be used to help models identify the writers of never-before-seen scripts?
   4. Idea: The characters of writing scripts have common strokes which can be used to aid in the writer identification process
2. Introduction
   1. What is Handwriting Identification
      1. Verification and Identification Model
   2. Multi-Script Writer Identification
   3. Stroke Decomposition
      1. Similarity of Strokes?
      2. Morphological Processing?
      3. Graph Theory
3. Review of Literature in Multi-Script Handwriting Identification
   1. ICFHR competition
   2. Rest
4. Methodology
   1. Substroke decomposition in detail
      1. Methods of substroke comparison
         1. Substroke matching based on clustering (verification model)
         2. Direct classification via CNN (identification model)
   2. Stroke-decomposition in view of the overall model
      1. General process
5. Results
   1. Hypothesis
   2. Limitations of the study
6. Anticipated method of analysis?
7. Conclusion
   1. Restate the research goal
   2. Interpret results
   3. Etc.