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## Multi-script handwritten character recognition

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## Propositions

1. The goal in multi-script handwritten character recognition is to achieve a high recognition performance on isolated handwritten characters from different scripts.  
– Chapter 1, this PhD thesis –
2. If a number of appropriate cost functions have been designed, the original A\* path-planning algorithm can move through overlapping or connected text areas instead of moving around.  
– Chapter 2, this PhD thesis –
3. Outputs of different classifiers can be combined and classified by the unweighted majority vote method, which results in high accuracies on isolated handwritten character datasets.  
– Chapter 3, this PhD thesis –
4. In our isolated handwritten character datasets, the best feature descriptors achieve high recognition performances on challenging handwritten datasets with a simple classifier.  
– Chapter 4, this PhD thesis –
5. Some feature extraction methods are able to capture the necessary information from the character images, which makes them important for a recognition algorithm.  
– Chapter 4, this PhD thesis –
6. The combination of local feature descriptors and the bags of visual words approach gives the highest recognition performances.  
– Chapter 5, this PhD thesis –