## Image Processing II Watershed

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## Introduction

The second homework assignment required us to implement the watershed transform - referring to the geological watershed - while following certain guidelines which could be summarized to the following list:

- 1. Implement the watershed algorithm as described in pseudo code from the textbook [1], for 4-connected and 8-connected neighborhoods.
- 2. Output a single CSV file for the transformed image in the using the same format, definition and value domains as the input image 'f'.
- 3. Do meaningful (motivated from a real-world perspective) watersheds for 3 other images.

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- 1 Watershed Transform
- 2 Implementation
- 3 Experiments & Results
- 4 Comparison
- 5 Task Distribution

## References

[1] Pierre Soille. Morphological image analysis: principles and applications. Springer Science & Business Media, 2013.