Department of Computer Science
Institute for optical Systems
Prof. Dr. G. Umlauf

Hochschule Konstanz
University of Applied Sciences

Konstanz, 23.09.2025

Practical Assignment 3

„Computational Geometry WS2025/26"

Deadline 15.12.2025

2d-Trees

1. Implement an interactive construction of a 2d-tree of a set of points in the plane and visualize the resulting partition.
2. Implement an interactive range search for a rectangular query range based on the 2d-tree and visualize the range search result.