

## EXECUTABLES

BASH scripts to submit jobs to the HPC cluster.

Various C++ scripts for studying the entropy.

Various C++/Python scripts for testing and plotting.

## SIMULATION FRAMEWORK

### **sprinkledcauset.cpp**

Sprinkles coordinates into a certain shape in a given spacetime and determines the causal structure of the causet.

### **embeddedcauset.cpp**

Creates causal matrix, past/future sets, links... based on the given coordinates

### **causet.cpp**

Low-level functions related to causets - ordering fraction, dimension estimator etc.

### **spacetimes.cpp**

Functions for determining the causality in Minkowski and Schwarzschild spacetime.

### **shapes.cpp**

Functions for sprinkling coordinate points into various (hollow) shapes.