



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

# Lecture with Computer Exercises: Modelling and Simulating Social Systems with MATLAB

Project Report

## Self-Organized Criticality in Sandpile Models



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# Abstract

blah blah



# Acknowledgements

blah blah



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# Chapter 1

## to do list

- 1.1 Individual contributions
- 1.2 Introduction and Motivations
- 1.3 Description of the Model
- 1.4 Implementation
- 1.5 Simulation Results and Discussion
- 1.6 Summary and Outlook



# Bibliography

- [1] Alessandro Vespignani Alain Barrat and Stefano Zapperi. Fluctuations and correlations in sandpile models. September 1999.
- [2] Michael Creutz. Cellular automata and self-organized criticality. November 1996.
- [3] Alessandro Vespignani and Alessandro Vespignani. How self-organized criticality works: A unified mean-field picture. June 1998.



## Appendix A

# MATLAB-Code

